INDUSTRIAL INTELLECTUAL PROPERTY AWARDS

Confederation of Indian Industry

iPR
INTELLECTUAL PROPERTY RIGHTS

10TH CII INDUSTRIAL INTELLECTUAL PROPERTY AWARDS 2024

INDIA'S LEADING IP DRIVEN ORGANISATIONS

COMPENDIUM 2024

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FOREWORD

Chandrajit Banerjee
Director General
CII

Confederation of Indian Industry has been working on strengthening the Intellectual Property ecosystem in the country through various initiatives. CII's National Committee on IPR guides, steers and directs efforts in fostering an IPR culture in the country. One of the focus areas is recognizing the processes in IPR management and encouraging best practices to ensure expansion of IP protection and innovation among Indian industry. Such recognition also demonstrates the vital role of IPR in making businesses more competitive and public services more effective.

Since inception in 2015, the CII Industrial Intellectual Property Awards aim at recognition of enterprises which have embraced IP generation, protection, and commercialization to fuel their business and economic growth. The purpose of these awards is to encourage organizations to foster a culture of creating and protecting their Intellectual Property, including patents, trademark and design, and explore IP commercialization.

The awards help to bring the achievements of enterprises, academia and research institutions in IP in the public domain, and also inform the Government about IP-driven enterprises and engage such enterprises in policy making exercises. Different categories of industry viz., large, small, medium and start-ups as well as academia have been encouraged to participate in the competition and the entries were evaluated by an eminent jury.

This current compendium presents the profiles of 47 Leading IP-driven organizations under, 10th edition of the CII Industrial IP Awards in 2024. It is expected to be a reference document for industry and academia to learn and understand the IP ecosystem practiced by the top IP driven organizations in India.

Contents

Amity University

About the Institute and IP Portfolio

Amity University has been ranked among the top 3% universities globally by QS and Times Higher Education, the world's leading university ranking organizations. Amity's strong focus on research and innovation has led its faculty and scientists to file more than 2,265 patents in the last few years, out of which more than 420 patents have been already granted and others in process of getting granted.

Amity is also engaged in conducting more than 595 high-end government funded as well as international research projects, including those funded by the Bill & Melinda Gates Foundation, USAID, DRDO, ICSR, CSIR, ISRO, DAE, BIRAC and ICAR. Further, ongoing research projects worth over INR 126 crores include DST-FIST, DST-PURSE and DBT-BUILDER.

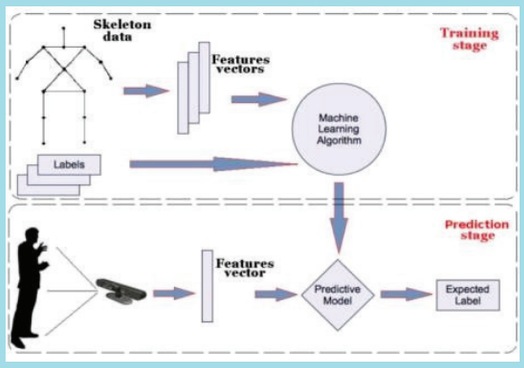
The Amity faculty and researchers have also authored over 900 books, registered over 575 copyrights and published over 45,000 research papers in top ranked research journals, including The Lancet and Nano Energy. Further, Amity's distinguished faculty have developed over 4,500 case studies that have been bought across 110 countries by leading institutions like Harvard, Stanford, Oxford, McKinsey, and KPMG.

Such initiatives have led to 50+ Amity Faculty being listed among the top 2% scientists globally by Stanford University survey – one of the highest in India. Amity University hosts more than 40 Ramalingaswami / Ramanujan / Wellcome Trust / Inspire Fellows.

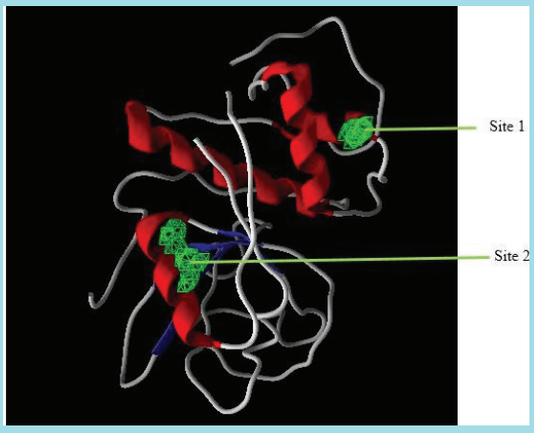
Taking a step further, Amity has established over 35 hi-end Research Centers in diverse areas including Artificial Intelligence, Cancer Research, Nanomedicine, Click Chemistry, Microbial Technology, Space Science, Aerospace, Hydrogen and Global Warming.

It has been conferred with the National Intellectual Property Award for being the top Indian Academic Institution for Patents and Commercialisation by the Indian Intellectual Property Office of the Ministry of Commerce & Industry, Govt. of India.

About the Products



Project "Divya Drishti" is a unique AI based human recognition system, which aims to design and develop an integrated approach for detecting a person by measuring four Physiological parameters: Skeletal data, Gait parameters, Movement parameters and Face recognition parameters. It is an Intelligent inferencing system with built-in high accuracy of recognition. Amity Scientist, Dr Verma under the guidance of Dr M.S. Prasad, Director (AISST) developed an intelligent inferencing recognition system based on physiological parameters of a person with built-in high accuracy of recognition.



Novel and Thermostable Protease Enzymes with significantly high activity for industrial applications includes homogenous and thermostable protease enzyme purified from Ginger (Zingiber officinales'ar. Rejatha). The protease after purification to apparent homogeneity and amino acid sequencing using ESI-QTOF analysis has been found to be novel and its great potential cytotoxic effect is indicated in therapy and prevention of breast cancer cell.

The protease enzyme extracted from Zingiber officinalevax. Rejatha preliminary studies shows its cytotoxic effect against Breast cancer cell line (MCF- 7).

About Intellectual Property (IP) Policy

The Amity IP Policy focuses on protecting, developing, transferring, and commercializing new IP for the benefit of society. The Amity IP Team mentors and handholds its scientists, researchers, and students throughout their journey of innovation including augmentation and identification of IP generation, IP prosecution, IP portfolio management and exchange of best practices in the field of IPR.

Apollo Tyres Ltd

About the Company

Apollo Tyres Ltd. came into inception in 1972 and has since been a trusted name in the business of manufacture and sale of tyres. It caters to over 100 countries across the globe, with its two key brands - Apollo Tyres and Vredestein. Its product portfolio comprises tyres for passenger, commercial, off-highway vehicles and two-wheelers.

Apollo tyres have a strong IP portfolio which includes national and international patents, designs, trademarks and copyrights for various tyre products and innovative compounds. Acknowledging the unique contributions of innovative practices in IPRs, Apollo Tyres has been awarded "Excellent Contribution in the Field of Patents" by NITI AAYOG on Feb 1, 2020; It was also honoured with National IP AWARDS, 2020 for the category 'Design & Commercialization'.

About the Products

1. Apollo Amperion - Efficient | Bold | Electric

Apollo Amperion is a new-age EV tyre for new-age electric cars. Amperion's design is inspired by the Jellyfish, the most energy-efficient swimmers and the most silent of all creatures. The EV tyre was designed through meticulous R&D and market research to meet the needs of electric car and fleet owners. Some of its features are highlight below, making the Amperion a one-of-its-kind EV tyre in the Indian market.

2. The Vredestein Ultrac Pro is a high-performance summer tyre designed for sporty driving and comfort. It offers excellent control at high speeds and improved handling, making it ideal for enthusiasts. The tyre enhances ride comfort with a larger flex zone in the sidewall and ensures shorter braking distances on both dry and wet roads for added safety. Its lightweight construction improves rolling resistance, leading to better fuel or battery efficiency. The Ultrac Pro combines aesthetics with functionality, aiming to elevate the driving experience by balancing performance, comfort, safety, and efficiency.

About Intellectual Property (IP) Policy

The purpose of Apollo Tyres' Intellectual Property (IP) Policy is to outline the framework and strategies employed to ensure that IP-related activities support the overall business objectives. In the context of this policy, the company recognises intellectual property to be any creations of the mind that are forged into assets such as inventions, know-how, trade secrets, patents, designs, trademarks

or copyrights and any rights, applications and registrations relating to them. This policy focuses on three key areas: ensuring freedom to operate, securing IP rights, and increasing the value of IP within the organisation. By following these principles, the company aims to manage IP risks, enhance competitiveness, and maximize the value of its intangible assets.

R&D Structure

Apollo Tyres' Global R&D network has key centres located in India, the Netherlands and Hungary. The R&D function is under the leadership of Daniele Lorenzetti (CTO) and organised into three key areas - research, product development and support function. R&D activities include Material science, Compound Development, Design & Mould Engineering, Simulation, Advanced Engineering and Tyre Testing. IP is one of the central functions proactively supporting R&Ds' outcomes.

Team Strength

The Research & Development function plays a key role to drive innovation, develop new products and technologies to create value to customers and maintain the competitive position in the market which are sustainable and profitable. The R&D Centre, established in 2010, supports the various markets to create best in class product, catered to its major markets. The function has 300+ employees as on FY24 with diversified work force of PhD Scholars, Masters & Bachelor's from multiple disciplinaries.

Best Practices

The Company's IP department drives business success through three strategic priorities: ensuring freedom to operate, safeguarding its technology and know-how, and enhancing the value of intellectual property. By leveraging the principles of ATQM—emphasizing data-driven decisions, process optimization, and continuous improvement—it proactively manage legal risks, implement robust IP protections, and foster close collaboration with R&D teams. This alignment of intellectual property strategy with business objectives, combined with advanced tools and a globally integrated team, enables sustainable growth, maximizes efficiency, and delivers measurable impact. These best practices empower us to protect critical assets, strengthen our competitive edge, and confidently lead in an ever-evolving global market.

Arrow Greentech Ltd

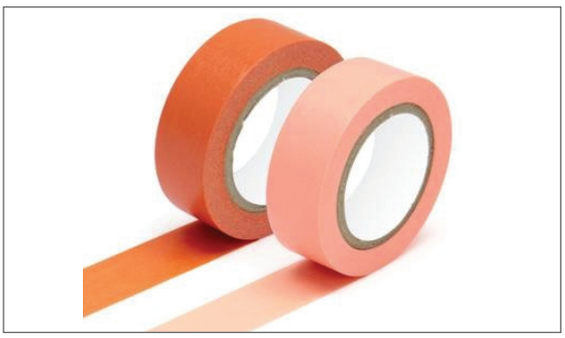
About the Company

Arrow Greentech Ltd is a company that was established more than thirty years ago on the foundation of innovation to ensure a sustainable future through maximum environmental care. The first water soluble film (Watersol™) introduced by Arrow was in the mid-nineties. Our expertise enables us to provide solutions, applications and management systems in the health, hygiene, packaging, printing and security industries. This is reflected in most of our intellectual properties filed globally in respective fields.

Arrow Greentech Ltd is listed in the National Stock Exchange (NSE) and the Bombay Stock Exchange (BSE) in India. It has its manufacturing units in India and in the United Kingdom via its subsidiary Arrow Green Technologies (UK) limited.

About the Products

Watersol™ Film (WSF), also known as PVA film, is a versatile product that with variations can be used as packaging material that is safe for the environment and fully biodegradable, water soluble soap strips, called 'Arrow Magic Strips', as a mold release film for the unsaturated polyester epoxy resin or other thermosetting resin, in Water Transfer printing and so on.



About Intellectual Property (IP) Policy

Arrow Greentech Limited has a patent portfolio of more than thirty (30) patents across the globe covering fields as diverse as Water Soluble Films to Security. We have recently files more than thirty-five (35) patents in India and internationally which show great promise. AGTL also owns more than twenty-five (25) Trademarks and are in the process of obtaining more.

A lot of the company business and products derive a great deal of their value from various patents held by the company or whose specific rights are acquired by the company. As such, the company strict adherence to not only the letter and wording of the IPR policy but also its spirit.

The Company's IP Policy also envisages protection and management of its own IP well, internally and with it's business partners. We also want to respect the IP of others as we develop our products and services, run our business, and work with business partners.

- This IP Policy is applicable to all the employees, representatives and agents of the Company
- The Company shall respect all intellectual property (IP) and conduct its business in compliance with the IP laws as applicable.
- The Company shall take steps to actively protect maximum of its own IP.
- The Company shall not knowingly infringe a third party's intellectual property in its products, services, or components, or disclose or use a third party's trade secrets without the express or implied consent of the owner or as permitted by law.

- The Company shall not knowingly purchase or use counterfeit or other infringing goods and services in running its business.
- The Company shall require, through binding policies or agreements with employees and contractors that its personnel comply with the applicable IP laws and the Company's IP policies and IP-related provisions in agreements with other companies.
- The Company shall execute written confidential or non-disclosure agreements with third parties prior to disclosure of any confidential information of the Company to any third party(ies).
- The Company may license its IP to any of its Subsidiaries, Affiliates or a third party (ies) through various modes of licensing strategy.
- The Company may transfer its IP to any of its Subsidiaries, Affiliates or a third party (ies) through a signed IP transfer agreement on the conditions as may be deemed to be fit and proper to the Company.
- Any IP generated, created or developed by any of the employees/representatives and agents of the Company and/or consultants engaged by the Company, during the term of their employment or engagement as the case may be, for and/or on behalf of the Company, shall be considered 'work made for hire', and shall be assigned by such persons to the Company unless otherwise agreed by the Company by way of a written contract or as may be applicable by the relevant IP law.
- Company shall provide regular and appropriate level of training on IP protection and management to all relevant personnel.

R&D Structure

The R&D division is headed by Mr. Neil Patel (JMD of the company) whereas the IPR team is headed by Mr. Shilpan Patel (CMD).

Team Strength

More than 15 members are in the R&D Team and more than 5 for IPR.

Best Practices

We follow the standard of "Good Manufacturing Practices" (GMP). GMP essentially means that the product quality is tested repeatedly throughout its manufacturing cycle commencing from the raw material purchase stage right up to the dispatch of final products. GMP followed by us also includes safety and quality check (scheduled and surprise) of the loading & storage areas, machinery and personnel.

Bharat Forge Ltd

About the Company

Bharat Forge Ltd (BFL), the Pune based Indian multinational is a technology driven global leader in metal forming, having a transcontinental presence across ten manufacturing locations. Part of Kalyani Group - a USD 3.5 billion conglomerate with 10,000 global work force; BFL today has the largest repository of metallurgical knowledge in the region and offers full service supply capability to its geographically dispersed marquee customers from concept to product design, engineering, manufacturing, testing and validation. At the cusp of breakout growth and transformation into an engineering conglomerate through its aggressive foray in capital goods and infrastructure sectors, BFL is committed to proactively expedite India's transformation into a global economic powerhouse.

About the Products

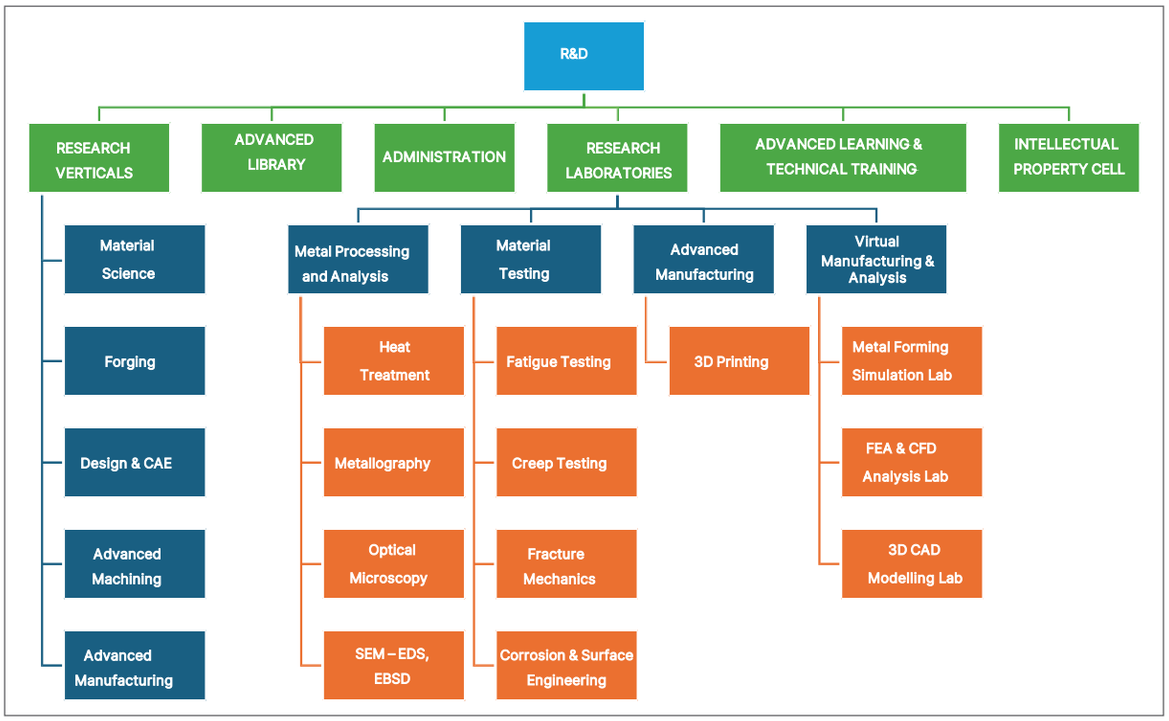
Bharat Forge is a global leader in manufacturing critical components across diverse industries, such as automotive, aerospace, defense, oil and gas, railways, marine, power, and agriculture. As the largest exporter of auto components from India, Bharat Forge delivers high-performance products to global OEMs and tier-1 suppliers. The company produces advanced engine components, chassis, transmission, and driveline parts for both passenger and commercial vehicles, including lightweight aluminum forgings, transmission shafts, and precision gears.

In the defense sector, Bharat Forge stands out with a wide range of products, from artillery systems to advanced small arms, air defense solutions, and marine propulsion systems. Its aerospace division manufactures key components like fan blades, turbine parts, and landing gear elements. The company is also driving the future of e-mobility with innovative powertrain solutions for electric vehicles, including motors, battery management systems, and chassis components.

About Intellectual Property (IP) Policy

Bharat Forge's IP policy fosters a culture of innovation, recognizing creative contributions on World IP Day with senior leadership accolades. Through targeted training, it raises awareness of IP's strategic value and benefits. Robust processes ensure effective identification, protection, and management of IP, aligning with business strategy.

R&D Structure



Team Strength

Bharat Forge Ltd.'s R&D team of 258 highly skilled professionals, including Ph.D. holders, M. Techs and B. Techs experts from premier institutes like IITs and NITs, is a powerhouse of innovation. The 14-member IP cell expertly manages patents, conducts strategic IP analysis and fosters invention harvesting, ensuring technological leadership and global competitiveness.

Best Practices

Bharat Forge Ltd. follows best practices that drive innovation and technological excellence while prioritizing people development for long-term success. Our R&D unit, recognized by the Department of Scientific and Industrial Research (DSIR), maintains global standards. KCTI Laboratories, certified ISO 17025 (NABL) and ISO 9001, are trusted by leaders like Rolls Royce and Boeing for product testing. We partner with IIT Bombay, IIT Kharagpur, BITS Pilani, DIAT, Pune University, and Deakin University, Australia, to advance research and learning. Specialized management programs with Warwick University develop future business leaders, while training with national and international experts enriches R&D, fostering innovation and IP culture.

Biocon Biologics Ltd

About the Company

Biocon Biologics, headquartered in Bengaluru, India, is a fully integrated leading global biosimilars company with established capabilities in the development, manufacturing and commercialization of high-quality biosimilars. It has a unique portfolio of monoclonal antibodies, insulins and conjugated recombinant proteins for diabetes, cancer, autoimmune diseases, serious eye conditions and bone health, Biocon Biologics is fully committed to the long-term sustainability of global biosimilars access.

Over the years, Biocon Biologics has grown into a leading global biosimilars player, enabling affordable access to life-saving medicines and transforming patients' lives across the world. We have a broad pipeline of 20 biosimilar molecules spanning insulins, monoclonal antibodies and conjugated recombinant proteins, out of which eight are commercialized products. Direct commercial presence in advanced and emerging markets take us closer to patients, payors and healthcare systems, and strengthen our position as a global biosimilars player.

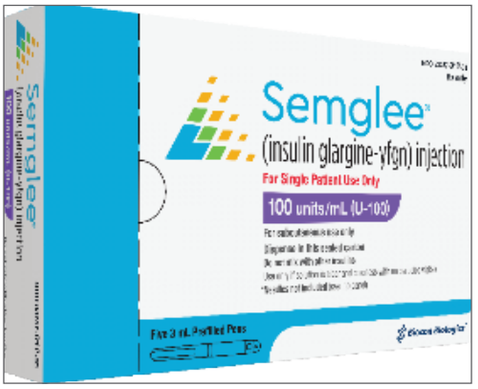
About the Product

1. Semglee (Vial and prefilled pen):

SEMGLEE® is a long-acting man-made-insulin used to control high blood sugar in adults and children with type 1 diabetes and in adults with type 2 diabetes. It is the first interchangeable biosimilar insulin product approved by FDA, USA. It is available in prefilled pen and Vial. SEMGLEE® Vial is in a 10 mL vial 100 units/mL (U-100). Prefilled pen is for single-patient- use, it contains a total of 300 units of insulin glargine.

I Semglee Vial

Semglee Prefill pen



Fulphila®:

Fulphila® is the first FDA-approved Pegfilgrastim biosimilar. It is indicated to decrease the incidence of infection, as manifested by febrile neutropenia, in patients with non-myeloid malignancies receiving myelosuppressive anti-cancer drugs associated with a clinically significant incidence of febrile neutropenia.

About Intellectual Property (IP) Policy

In FY24, we filed for 337 trademarks and received approvals for 175 trademarks. We filed for 35 patents and 21 patents were granted during the year for both biosimilars and novels. Till date, we have been granted a total of 1,300+patents* and 2,200+ trademarks globally.

Blu Cocoon Digital Pvt Ltd

About the Company

Blu Cocoon Digital is a Consulting and Digital Transformation Partner that provides industry agnostic innovative solutions. With our primary focus on Digital transformation in the Agriculture, Food Processing, and Manufacturing sectors, our solutions and services leverage modern disruptive technologies such as AI/ML, IoT, Cloud, Mobile, and Data Science. We believe in continuous innovation using technology, and statistical analysis using data to gain knowledge from seemingly disconnected pieces of data.

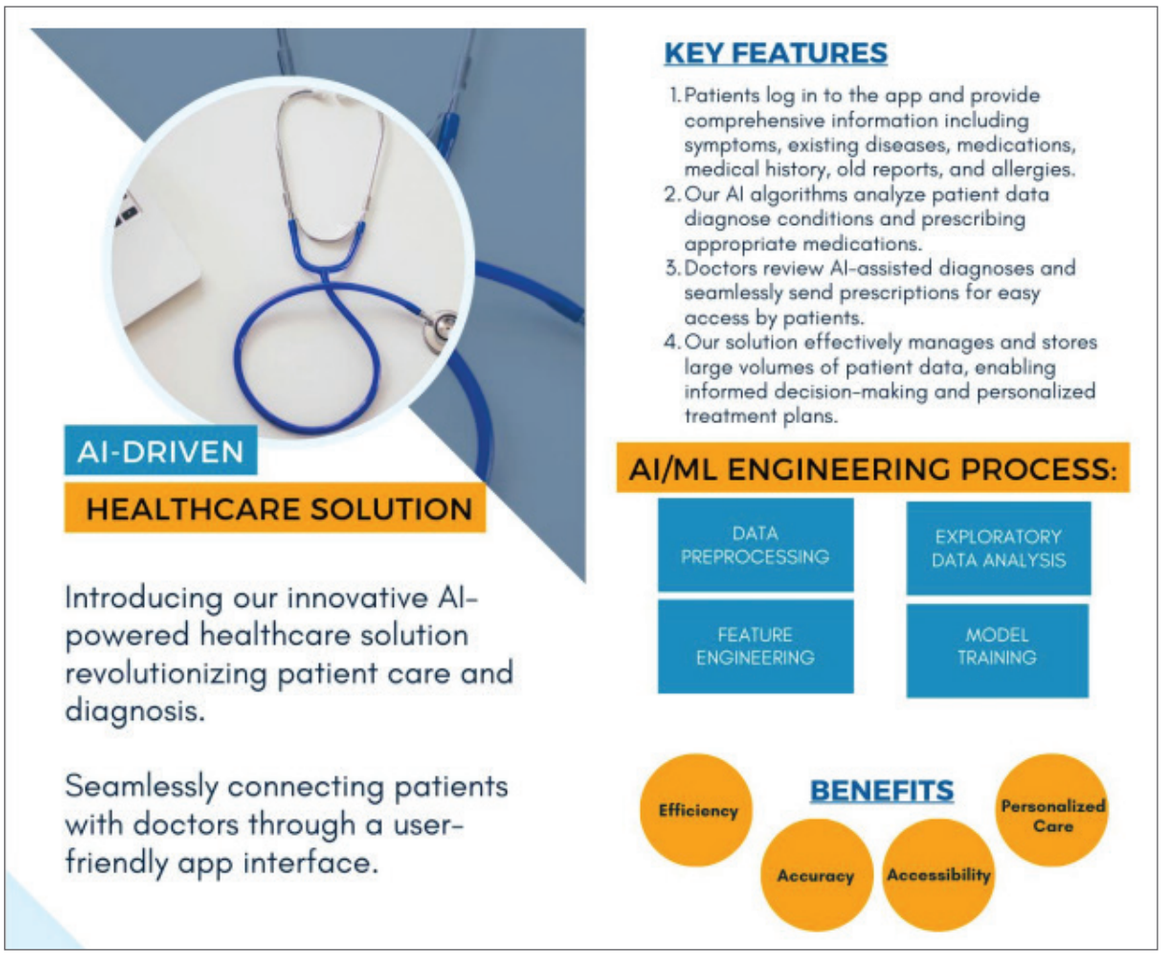
About the Products

1. AGRi360 – AgTech solution

BCD developed the AGRi360 product suite around a core of four innovative and patented products powered by Artificial Intelligence. AGRi360 is the FarmOS to manage all farming operations and implement Good Agricultural Practices - (GAP). The product suite is available on a single platform complementing each other. With built-in offline capability, it can be a boon for remote farms with limited mobile data and internet connectivity. AGRi360 products leverage farm expertise using augmented intelligence to provide a cost-effective way to continuously monitor farm performance. AGRi360 is a mobile based solution that encompasses the challenges of any IoT based solutions.

2. Container Yard Management Solution

The integration of AI/ML technologies for container identification and GPS-based tracking offers a revolutionary solution for the logistics sector. By replacing manual recording with intelligent devices, we provide real-time, minute-byminute data on the exact location of each container in the yard. This eliminates the need for manual processes to determine their location and saves time. Our AI/ML algorithms also optimize the allocation of container slots. Additionally, the departure module ensures accurate reporting and sharing of container departures for effective performance monitoring.



R&D Structure

Records Tech Service customer interactions and transforms them into actionable content. Facilitates the creation of automated process workflows across various Innovation functions. Records comprehensive experimental designs and manual data inputs. Integrates data from diverse sources including instruments, process sensors, SAP, Excel, and LIMS. Stores and connects data within and across projects, Innovation functions, and geographical regions. Offers analytical and visualization tools for enhanced insights. Grants immediate access to historical data. Enables real-time data sharing within the Innovation community

Best Practices

AI powered healthcare solution revolutionizing patient care and diagnosis. Seamlessly connecting patients with doctors through a user friendly app interface.

Bright Lifecare Pvt Ltd

About the Company

Lifecare Pvt Ltd, a prominent player in the health and wellness industry, is dedicated to improving lives through innovative healthcare solutions. Established with a vision to empower individuals to lead healthier lives, the company operates through its flagship brand, HealthKart, India's leading health and nutrition platform.

HealthKart offers a comprehensive range of high-quality products, including dietary supplements, vitamins, and fitness essentials, catering to diverse wellness needs. The company emphasizes research-driven innovation and adherence to the highest standards of quality and safety. Bright Lifecare Pvt Ltd also houses renowned in-house brands like MuscleBlaze, HKVitals, Gritzo and recognized for their scientifically formulated products.

With a customer-centric approach and a strong digital presence, Bright Lifecare Pvt Ltd has established itself as a trusted name in the wellness industry. Its commitment to fostering a healthier society aligns with its participation in the 10th CII Industrial IP Awards, recognizing its strides in innovation and intellectual property.

About the Products

Bright Lifecare Pvt. Ltd. is known for its innovative, science-backed products that promote health and wellness. Among its top offerings are MuscleBlaze Biozyme® Whey, and HKVitals Skin Radiance Collagen.

MuscleBlaze Biozyme Whey is a premium clinically studied protein supplement specially designed for enhanced digestion and absorption, making it ideal for athletes and fitness enthusiasts. Its patented Enhanced Absorption Formula (EAF®) (Indian Patent Granted, US Patent Application in final hearing phase) ensures better protein utilization, leading to improved muscle recovery and growth.

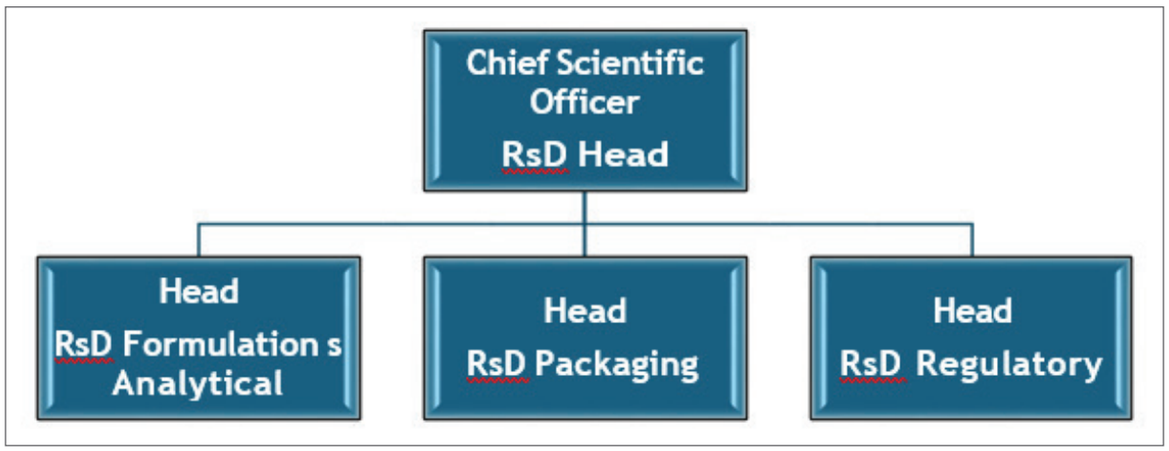
HKVitals Skin Radiance Collagen is a clinically studied beauty and health supplement that promotes healthier, glowing skin and hair. Enriched with hydrolyzed collagen peptides, hyaluronic acid, and Vitamin C, it supports skin elasticity, hydration, and overall skin health,

making it a popular choice for those seeking a radiant complexion. Also, it is beneficial for joint health. These products reflect Bright Lifecare's commitment to quality and innovation, empowering individuals to achieve their fitness and wellness goals effectively.

About Intellectual Property (IP) Policy

Bright Lifecare Pvt. Ltd. (BLPL) emphasizes the importance of intellectual property (IP) in driving innovation and safeguarding R&D investments. This policy outlines guidelines for identifying, protecting, and managing IP assets, including patents, copyrights, trademarks, trade secrets, and industrial designs. It applies to all stakeholders and assigns responsibilities to employees, the IP management team, and the legal department. BLPL ensures IP protection through timely registrations, confidentiality agreements, enforcement actions, and regular training to raise IP awareness and compliance. This has resulted in 27 Inhouse patents filed (2 Indian Patents Granted, 3 US patents filed)

R&D Structure



Team Strength

Bright Lifecare Pvt. Ltd. (BLPL) thrives on the strength of its dynamic and diverse team, comprising skilled professionals across R&D, marketing, operations, and customer service. With a shared commitment to innovation, quality, and customer satisfaction, the BLPL team works collaboratively to drive the company's growth and success.

Best Practices

Bright Lifecare Pvt. Ltd. (BLPL) adheres to a set of best practices to ensure operational excellence, innovation, and customer satisfaction:

1. Customer-Centric Approach: Prioritizing customer needs and feedback to enhance product quality and service.
2. Innovation & R&D: Investing in research and development to create cutting-edge health and wellness solutions.
3. Quality Assurance: Maintaining stringent quality control measures across all products and processes.
4. Intellectual Property Protection: Safeguarding innovations through patents, copyrights, and trademarks.

Centre For Development of Telematics (C-DOT)

About the Company

C-DOT is a premier telecom technology centre of Department of Telecommunications, Govt. of India. C-DOT has more than 4 decades of R&D experience in the indigenous design, and development of telecom technologies especially suited to the Indian landscape. It has significantly contributed to the Indian Telecom Network's Digitization. C-DOT's diverse product portfolio is a wide array of telecom technologies that include Switching & Routing, Optical Communication, Wireless Communication, Mobile Technologies, Network Security, Advanced Encryption Techniques, Post-Quantum Cryptography Based Solutions, Network Management, M2M/IOT, Artificial Intelligence/ Machine Learning and a host of other solutions. With its world class research labs equipped with state-of-the-art infrastructure and a pool of the brightest engineers from the top institutes of the nation, C-DOT has been strongly committed to fulfilling the overarching objectives of national development through its targeted research initiatives addressing the specific connectivity needs of our diverse country.

About the Products

C-DOT has indigenously built a 4G/5G Converged core solution providing VoLTE/ VOIP/ data services through seamless integration with IMS and legacy mobile services through interworking with 2G/3G networks. C-DOT's wireless terminals are also installed in rural areas to provide broadband connectivity.

Designed an Early Warning system for Disaster Management (Sachet) based on International Telecommunication Union (ITU) Common Alerting Protocol (CAP), which is used for secure dissemination of real-time early warning information from various agencies over multiple channels.

Developed indigenous encryptors and secure phones based on Post-Quantum Cryptography to safeguard networks from threats posed by infinite computational capabilities of Quantum Computers. An indigenous Quantum Key Distribution (QKD) based system is designed & developed for secure distribution of crypto keys using the principles of Quantum Physics.

Developed GPON technology and successfully deployed in BharatNet - National Optical Fiber Network of India for providing high-speed broadband to village Panchayats across the country.

Samvad, a Secure Chat & Call Platform with advanced security features & encryption capabilities, an alternative for popular chat platforms.

Design grants in last two years

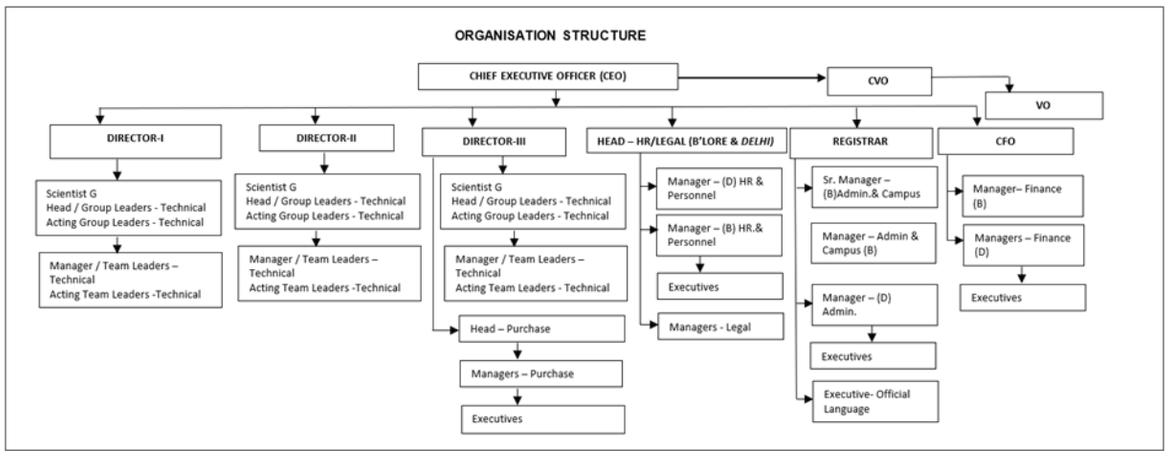
XAP WiFi Plastic Enclosure Design Grant 345755-001, India

ONT17 (OPTICAL MODEM) Design Grant No. 328293-001, India

About Intellectual Property (IP) Policy

C-DOT's IP policy protects R&D outcomes, promotes innovation, and enhances IP value through legal protection and strategic alliances. It offers awards for rewards, technology transfers, and publications, invests in IP training, and engages in policy discussions. Annual excellence awards recognize employee contributions to the organization.

R&D Structure



CEAT Ltd

About the Company

CEAT Limited is an Indian multinational tyre manufacturing company owned by the RPG Group. It was established in 1924 in Turin, Italy. It has a presence in 110+ countries worldwide. CEAT produces over 165 million tyres a year and manufactures tyres for diverse segments like 2-3 Wheelers, Passenger and Utility Vehicles, Commercial Vehicles and Off-Highway Vehicles. The current capacity of CEAT tyres' plants is over 800 tonnes per day. The company has manufacturing plants in Gujarat, Maharashtra and Chennai.In 2024, CEAT partnered with German football club Bayer Leverkusen and became the official tyre partner for the next two seasons, until 2026. CEAT is the title Sponsor for the Indian Supercross Racing League. CEAT is also the official sponsor of IPL strategic time-out. The company is the first tyre company to win the prestigious Grand Deming Prize. It has also been awarded Sword of Honor award by British Safety Council & a Lighthouse Certification by World Economic Forum. CEAT has more than 50 granted patents & around 200 patent applications world-wide. CEAT also owns several Trademarks and Design registrations in its name.

About the Products

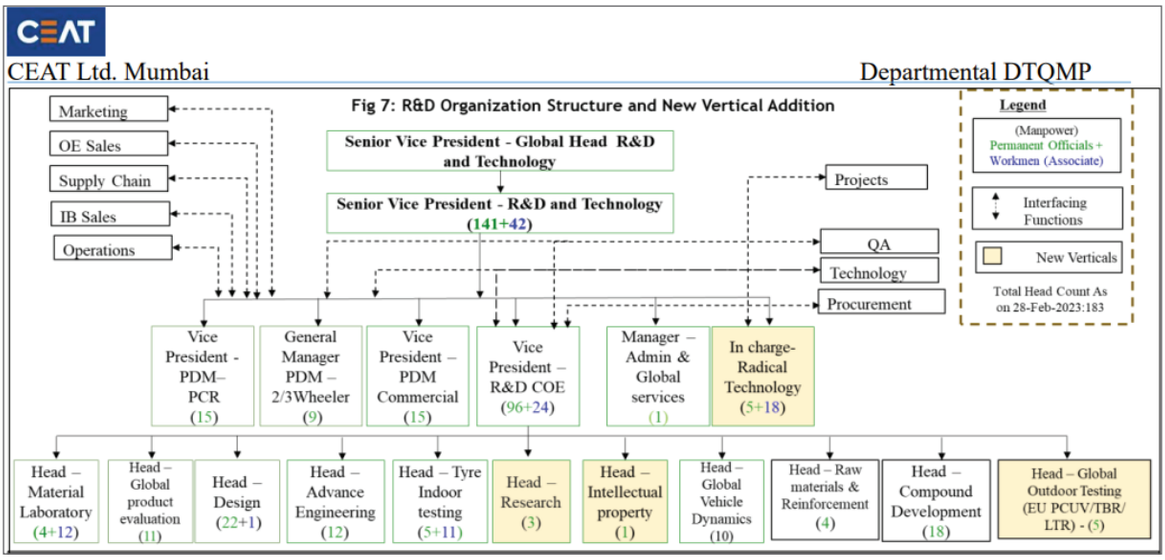
Ceat has tyres for every terrain. It's Blockbuster product Sports Drive, Secura Drive tyres offer Tread Pattern by Cactus Algorithm Technology to reduce tyre noise for peaceful drives.It's Silica based rubber compound improves grip and reduced braking distance thereby enhancing customer safety. Ceat' s Cross Drive AT tyres offers Zig-Zag tread pattern to improve traction even if tyres are submerged in mud & a Stone ejector technology for increased tyre durability by preventing stone trapping. CEAT also offers patented puncture safe tyre technology to enhance road safety in case of tyre failure due to punctures.CEAT has patented high mileage tyres like Winfuel,Fuelsmarrt,Milaze to improve overall fuel efficiency of the vehicles. CEAT's Energy Drive tyres has been customized for EV vehicles for reduced rolling noise & its felt technology ensures better hands-free communication and enables drivers to drive mindfully. CEAT's patented Inner Liner system for tubeless tyre for two wheelers and a hybrid belt technology for durable heavy duty truck tyres offers great value to the customers.CEAT develops every product keeping customer first.

About Intellectual Property (IP) Policy

CEAT is committed to creating a sustainable future through its philosophy of 'Making Mobility Safer & Smarter. Every Day.' The Company strives to innovate and transform its products and services to ensure safety and reliability for its customers. To foster innovation and IP within the organization CEAT has an IP policy with reward and recognition mechanism for every patentable invention. CEAT's IP policy also includes Patent X trainings for improving IP awareness within the organization.

R&D Structure

CEAT has a world-class R&D facility located at Halol,Gujarat as well as Frankfurt, Germany. Indian R&D facility is DSIR certified.



Team Strength

Ceat's R&D has a team strength of around 250 researchers. This researcher's is a mix of graduates,masters,engineers as well Phd's. CEAT's IP is managed by an IP expert within the organization.

Best Practices

CEAT has a Reward & Recognition policy for IP creators. CEAT launches its products after thorough Freedom to Operate Studies and has SOP in place for the IP clearance before the product launch.There are constant IP Awareness sessions being conducted across CEAT to boost innovation & IP protection. Ceat has adopted QBM based approach.CEAT has digitized itself through use of Blockchain,AI & ML.

Celagenex Research (India) Pvt Ltd

About the Company

Celagenex Research (India) Pvt Ltd, a start-up company founded by serial entrepreneur Dr. Rajaram Samant in 2019. The Company has developed cutting edge technology platform that combines clinically proven novel biological metabolites and nutrients to regulate disordered cellular biology in chronic lifestyle diseases. The company has protected the innovation and commercial application of this technology platform through an extensive Intellectual Property (IP).

The company has conducted multiple preclinical and clinical studies on nutrients/ compounds/biometabolites that have validated its innovation and demonstrated value of its intellectual property. By focusing on evidence-based solutions and protecting its intellectual property, Celagenex is well-positioned to make significant contributions to health and wellness.

About the Products

Centrivive is a therapeutic composition primarily used in the management of ischemic stroke and related disorders. Its mechanism of action involves enhancing microcirculation in the brain by promoting the formation of new blood vessels, a process known as neovascularization. The composition/ product is useful for improving blood flow to areas affected by ischemia, thereby aiding recovery.

Altibrain® is a formulation that contains sulforaphane, a compound known for its significant effects on various biomarkers, including Nrf2 and NF-κB. This compound induces epigenetic changes that enhance the transcription of cytoprotective and anti-inflammatory responses.

About Intellectual Property (IP) Policy

The Celagenex Intellectual Property (IP) Policy encompasses various aspects of intellectual property rights that are crucial for protecting innovations in the healthcare sector. The company products are regulated under the Food Safety and Standards Act of 2006 (FSSA) and specific regulations such as the FSS (Health Supplements, Nutraceuticals, etc.) Regulations, 2016.

Celagenex has made significant strides in intellectual property, having filed approximately 175 patent applications globally. Of these, 21 patents have been granted in India and 12 in the United States. In terms of trademarks, the company has filed over 135 trademarks in India, with 92 successfully registered, along with one trademark registered in the USA. Additionally, Celagenex holds one design registration in India, underscoring its commitment to protecting its innovations and brand identity.

Team Strength

The company has 5 strategic business units focusing on followings;

- Neurosciences Unit (India)- Team of 140-150
- Neuropsychiatric Unit (India) – Team of 50-60

- Stroke Unit (India) – Team of 50-60
- Cardio-Metabolic Unit (India)- Team of 180-190
- Pharma -Women Health Unit (India)- Team of 270-280

Best Practices

At Celagenex Research, best practices are centered around a commitment to innovation, quality, and regulatory compliance in the development of nutraceuticals. Here are the key practices that define our approach:

- **Cutting-Edge Research and Development:** Celagenex utilizes a state-of-the-art technology platform that integrates clinically proven biological metabolites and bioavailability enhancers.
- **Robust Intellectual Property Protection:** The company actively protects its innovations through a comprehensive intellectual property strategy, having filed numerous patents globally.
- **Preclinical/ Clinical Validation:** Celagenex emphasizes the importance of preclinical and clinicl trials to validate the efficacy and safety of its products.

CSIR-Indian Institute of Chemical Technology

About the Institute

CSIR-Indian Institute of Chemical Technology (IICT) established in 1944, as Central Laboratories for Scientific and Industrial Research by the then princely state of Hyderabad,is one of the oldest national laboratories under CSIR. Over its 80-year journey, it has earned a global reputation as a dynamic and innovative R&D organization, serving chemical and biotech industries worldwide.This reputation can be largely attributed to its rich pool of scientists with experience in broad ranging research areas and simple and effective business development strategies. The institute is also one of the leading intellectual property (IP) portfolio holders within CSIR, managing around 300 active patents, as well as several copyrights and trademarks.

About the Products

The Anaerobic Gas Lift Reactor (AGR) for organic waste treatment, patented in India (0019DEL2013, filed on 03/01/2013) and in Australia (2014200009, filed on 02/01/2014). This technology facilitates biogas production, energy recovery, electricity production, waste volume reduction, and decentralized waste management. The successful implementation of this technology was featured in 73rd episode PM's Mann Ki Baat broadcasted on 31/01/2021.

Garbage-to-power plant in veggie market gets PM's pat

Modi mentions biomethanation unit in his address

SPECIAL CORRESPONDENT
HYDERABAD

Prime Minister Narendra Modi, during his first *Mann Ki Baat* address for the year, made a mention of the garbage-to-power plant being commissioned inside the Dr. B.R. Ambedkar Agriculture Market in Bowenpally. Vegetable and fruit waste is used to generate power to the extent of 500 units a day and 30 kilos of green manure at the plant.

This is being done by making use of 10 tonnes of left over market waste. The power generated is being used to light up the market and also run the canteen in the premises enabling the market committee to make substantial savings in power bills.

In his address, Mr. Modi said, it was amazing that the market waste was being used profitably. "This is the power of innovation, it was nice to learn about it. This is the journey of turning garbage into gold," the Prime Minister remarked.

The CSIR-Indian Institute of Chemical Technology (IICT) has designed and patented the high rate biomethanation technology-based Anaerobic Gas lift Reactor (AGR) for this ₹3 crore project funded by the Department of Biotechnology and the Telengana government's Agriculture Marketing Department.

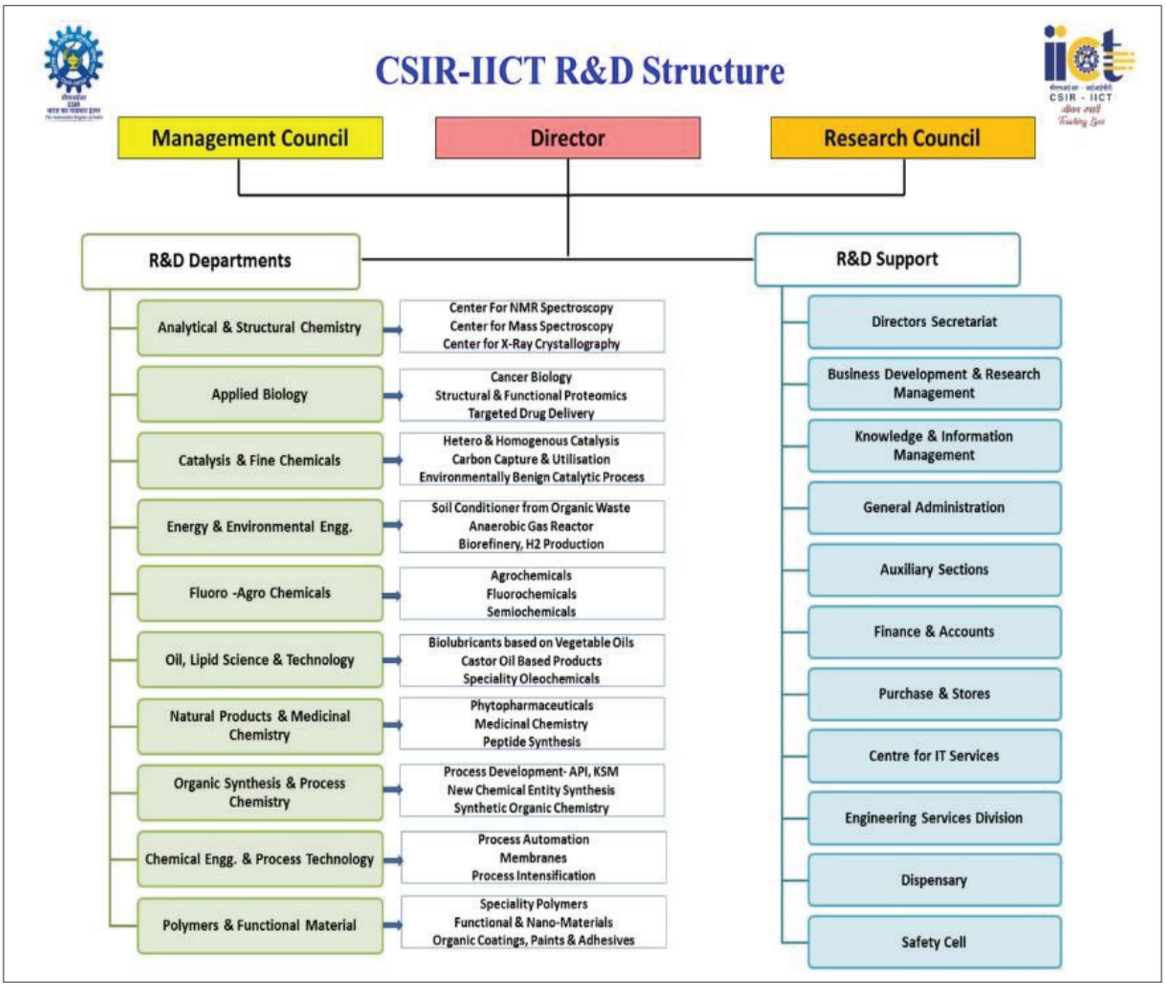
Way forward: Workers busy at the biogas plant at Bowenpally market in Secunderabad. • FILE PHOTO

The Improved Process for Hydrazine Hydrate Production(India: 378643, granted on 05/10/2021; US: 11225413, granted on 18/01/2022) was commercialised by Gujarat Alkalies& Chemicals Limited for applications across various industries, including pesticides, agrochemicals, water treatment, pharmaceuticals, blowing agent in polymer industry, fine chemicals etc.

About Intellectual Property (IP) Policy

CSIR operates under a centralized patent management system, with each institute, including CSIR-IICT, maintaining its own IP coordination cell to handle institute-level IP matters. For IP generated solely through CSIR funding, CSIR retains ownership. In cases of joint collaborations or industry-sponsored projects, CSIR permits joint ownership of IP. Additionally, there is a profit/royalty-sharing mechanism in place to distribute benefits among inventors.

R&D Structure



Team Strength

The team comprises 150 scientists, 171 technical staff, and 118 administrative staff, supported by 442 Ph.D. students, including 103 enrolled in 2024.

Best Practices

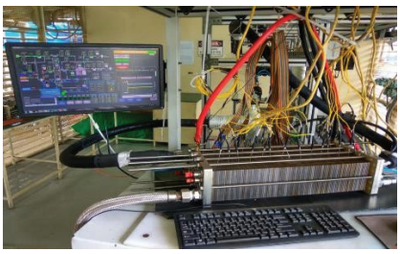
CSIR-IICT follows a customised stage-gate model in patent filing and management. It ensures that only inventions with strong patentability and commercial potential proceed through the patent filing stages. Technology marketing begins with patent evaluation and categorization; patents are then bundled to create comprehensive and attractive packages for potential licensees. Industry targeting, identifying sectors and companies that would benefit most from the technology are key. Once potential licensees are identified, CSIR-IICT conducts valuation and negotiation to secure favourable terms. This is followed by structuring contracts that detail licensing arrangements, such as royalties and sublicensing options.

CSIR-National Chemical Laboratory

About the Institute

The National Chemical Laboratory (NCL), based in Pune, India, is a premier research institution under the Council of Scientific and Industrial Research (CSIR). Established in 1950, NCL is renowned for its cutting-edge research at the interfaces of chemical science with biological science, materials science and chemical engineering science. With a mission to foster innovation and deliver scientific excellence, NCL is a hub of multidisciplinary research, housing state-of-the-art facilities and a vibrant team of scientists, researchers, and technologists. NCL has emerged as a frontrunner in the intellectual property landscape, consistently contributing to India's innovation ecosystem. With a strong emphasis on translating research into impactful solutions, the laboratory has an impressive track record of patent filings and commercialization of technologies across industries.

About the Products

Technology	The Product
Fuel Cell Stack	Council of Scientific and Industrial Research (CSIR) and KPIT successfully ran trials of India's first Hydrogen Fuel Cell (HFC) prototype car running on an indigenously developed fuel cell stack at CSIR-National Chemical Laboratory, Pune. The fuel cell is a low temperature PEM (Proton Exchange Membrane) type Fuel Cell that operates at 65-75 degree centigrade, which is suitable for vehicular applications.  

Technology	The Product
PPE kit recycling	In May 2021, an estimated 200 tonnes of waste was generated in India, much of it typically incinerated at central waste management facilities, which consume significant power and release greenhouse gases. In response to the pandemic, CSIR–National Chemical Laboratory (NCL), in collaboration with Reliance Industries Limited and Pune-based companies, initiated a project to recycle waste PPE into granules and pellets. These recycled materials were upcycled into plastic products like plant pots. In a proof-of- concept study, the CSIR-NCL team demonstrated the lab-scale production of molded automotive components from decontaminated PPE plastic, utilizing India's existing recycling infrastructure to add value across the supply chain. 

About Intellectual Property (IP) Policy

To maximise the benefits to CSIR from its intellectual capital by stimulating higher levels of innovation through a judicious system of rewards, ensuring timely and effective legal protection for its IP and leveraging and forging strategic alliances for enhancing the value of its IP.

Team Strength

NCL comprises a talented team of ~140 scientists, supported by researchers, students, and technical staff, excelling in chemical, materials, biological sciences, and engineering. NCL's collaborative environment drives innovative, cross-disciplinary research, leading to significant scientific advancements and reinforcing its position as a leader in India's innovation ecosystem.

Best Practices

National Chemical Laboratory excels through best practices that emphasize high-impact research in fields like green chemistry, advanced materials, and sustainable chemistry, ensuring real-world application of scientific breakthroughs. Interdisciplinary collaboration and partnerships with academia, industry, and global organizations strengthen its research capabilities. A robust intellectual property framework supports technology commercialization, while sustainability-focused projects address global challenges like climate change and resource efficiency. NCL prioritizes skill development, knowledge dissemination, and state-of- the-art facilities to empower researchers. Its efforts bridge industry-academia gaps and promote diversity, inclusion, and innovation, solidifying its position as a leader in advancing science and driving technological progress.

Dr. Reddy's Laboratories Ltd

About the Institute

Dr. Reddy's Laboratories Ltd is a global pharmaceutical Company headquartered in pearl city of India. Established in 1984, Dr Reddy's is committed to providing access to affordable and innovative medicines. Driven by the purpose of 'Good Health Can't Wait', Dr. Reddy's offer a portfolio of products and services including APIs, generics, branded generics, biosimilars and OTC. The major therapeutic areas of focus are gastrointestinal, cardiovascular, diabetology, oncology, pain management and dermatology. Dr. Reddy's major markets include – USA, India, Russia & CIS countries, China, Brazil and Europe. As a Company with a history of deep science that has led to several industry firsts, Dr. Reddy's continue to plan ahead and invest in businesses of the future. As an early adopter of sustainability and ESG actions, released it's first sustainability Report in 2004. The current ESG goals aim to set the bar high in environmental stewardship; access and affordability for patients; diversity; and governance.

About the Products

1) Etoricoxib Tab With No Food Effect: Etoricoxib is a weakly basic drug (pKa 4.6) that has pH dependent solubility and dissolution profile. It has a high solubility in the gastric media at low pH and solubility decreases as the pH increases. Accordingly, gastrointestinal transit of etoricoxib from gastric to intestinal region results in precipitation of the drug. Hence, its oral absorption also displays high fast-fed variability. A high fat meal results in a 36% reduction in the Cmax and increase in Tmax by 2 h compared to that of the fasting state. Increase in Tmax in fed state results in delayed absorption of the drug resulting in delayed onset of action. Due to the food effect, inter subject variability is also high for etoricoxib. To overcome the food effect of and achieve quicker onset of action Dr. Reddy's has developed a novel patented proprietary technology for etoricoxib tablet which has pH independent drug dissolution and no food effect.

2) Atarax Anti Itch Lotion: Atarax anti Itch lotion is a novel proprietary product from Dr. Reddy's as a body lotion which provides long term mosturization, cooling effect and relieves itchy and dry skin. It also helps soothe irritated skin and reduce inflammation, allergies, and rashes. It is free of steroids and is a fast-absorbing body lotion. It can relieve itching caused by skin allergies, insect bites, sunburns, eczema, and other skin problems.

About Intellectual Property (IP) Policy

The company's IP policy and processes focus on protecting and managing company's valuable IP assets (such as brands, patents

and confidential information) across the globe. The policy is designed to encourage and reward the creation of IP simultaneously respecting the valid Intellectual Property rights of the third parties by avoiding the infringement of the same. The IP Policy aims to provide transparent administrative system for the ownership, control and transfer of the IP created and owned by the Company. The policy is also directed towards the protection of the current and future products of Dr. Reddy's. Internal and/or external audits, at a suitable interval, of the existing IP is also an important component of the IP policy.

Team Strength

The passionate IP team located in Hyderabad works closely with R&D on various IP aspects and supports the IP colleagues in USA, Europe, China and Russia on various IP matters. The team consists of around 50 techno-legal professionals with PhD or Master's degree in Pharmaceutics, Chemistry and Law. Many of the IP team members are registered Indian patent agents. The team is vastly experienced in all facets of IP starting from product ideation and selection to handling patent litigation across globe.

Best Practices

Few of the best IP practices at Dr Reddy's are as follows:

- Respecting the valid patents of third parties globally and challenging the vulnerable patents to facilitate early access to costly patented medicines
- Designing robust IP strategies for First to market the products across territories as we believe in purpose that 'Good Health Can't Wait'
- Creating robust IP estate for the innovative and generic products
- Collaborate with Universities and/or best pharmaceutical companies to enhance access to costly & complex medicine
- Regular Update on IPR and confidentiality awareness session for new joiners and cross-functional teams

Endurance Technologies Ltd

About the company

Endurance Technologies Ltd, is among one of the largest auto-components and the largest Aluminium Die-Casting company in India companies in India. Endurance Technologies is a Tier 1 supplier and complete solutions provider for aluminium die-casting, suspension, battery management systems, braking systems and transmission products. Some of the products include high-pressure and low-pressure die castings, shock absorbers, front forks, clutch assemblies, friction plates, Continuous Variable Transmission (CVT), hydraulic disc brakes, hydraulic drum brakes, and others.

Starting with 2 aluminium die-casting machines in 1985, as today endurance have grown to have 31 strategically located manufacturing facilities in multiple locations (which 19 are in India and the rest in overseas) with 11 operating subsidiaries primarily in India and Overseas.

About the Products

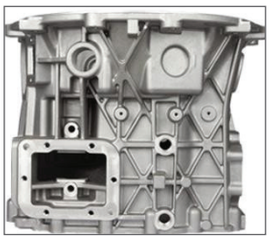
Since the inception in 1985 with just two aluminium die casting machines, currently Endurance have evolved into a prominent global manufacturer of automotive components. We have now developed a diverse product portfolio for different product verticals.

Aluminium die-casting and machining: With over 30 years of experience, at Endurance, we are now the largest aluminium die-casting player in India. The products are built for 2-wheelers, 3-wheelers and 4-wheelers and the casting division are involved in; High pressure die-casting, Low pressure die-casting and Gravity casting.

Suspensions: Endurance have dedicated one of India's largest R&D facilities to suspension technologies, catering to both the 2-wheeler and 3-wheeler markets. Having a well-equipped in-house R&D facility and a team size endurance is in production and supply of wide range of Suspension Systems for different OEMs.

Suspension: Rear Shock Absorber

Suspension: Front Fork Assembly



Casting: Transmission Housing

Engine Casting

About Intellectual Property (IP) Policy

The Company believes in continuous innovation as it strives to offer products with latest technology. The Company's in-house R&D team constantly endeavours to improvise its products based on the requirements of its customers and end-users. The Company has also partnered with leading manufacturers and technology partners worldwide to develop new products and enhance its technological capabilities.

R&D Structure

Our R&D framework is delineated into four primary categories corresponding to our product divisions, to consistently deliver on customer expectations through innovative offerings across all our product lines. The Company's state-of- the-art infrastructure for design, virtual validation and CAE (Computer-Aided Engineering) analysis and laboratory testing has enabled it to consistently improve its product range.

The Company has five R&D Centres approved by the Department of Scientific and Industrial Research s in Maharashtra for each of its product categories and 2 tech centres in Italy. In addition to more than 200 professionals directly engaged in the R&D activities, a large number of resources are deployed to develop new products and improvise the existing product range to offer technologically upgraded solutions to its customers.

Forbes Marshall

About the company

Forbes Marshall has over seven decades of experience in building steam engineering and control instrumentation solutions and is well established as a trusted brand based on its product quality and innovative solutions. Besides being named in several market reports as a leading manufacturer globally and ranked as “Best Workplaces” in India as well as Asia, Forbes Marshall has also won several awards for its product design and energy efficiency. The brand “FORBES MARSHALL” has also been recognized as a well-known trademark in India. The Company is also recognized for its many CSR initiatives.

About the Products

Featured IP driven products:

QualSteam: this unique valve is a combination of pressure reducing valve, temperature control valve and a steam flow meter. It delivers equipment level pressure optimization along with consistency of process temperature and quantifies steam consumption, resulting into steam savings and reduced fuel consumption.

QualSteam

Floating Furnace Boiler

Floating furnace boiler: an innovative product that offers efficient steam generation with rapid response to fluctuating process loads while keeping the emissions at the lowest possible levels.

About Intellectual Property (IP) Policy

Innovation is at the heart of all new product development at Forbes Marshall. The company’s IP policy and processes focus on protecting and managing company’s valuable IP assets (such as brands, patents, designs softwares and confidential information). The company has well-defined rewards and recognition program for the inventors and designers. Forbes Marshall Group lays special thrust on IPR awareness for its members across various departments in India and internationally.

R&D Structure

Forbes Marshall R&D Centres work out of three locations namely, Pune, Chennai and Bakewell (UK). The R&D department is also recognized by DSIR. The company's quantum and incremental innovation efforts have led to continuous improvement in quality and creating products that are future-ready. There is an in-house Industrial Design team at R&D, which focuses on aesthetics, ergonomics, usability, customer experience, product branding and design for manufacturing. The R&D department also houses an IP Cell for various IPR-innovation interfaces.

Best Practices

R&D and Customer Connect: With a firm belief that robust and reliable products emerge from good customer insights, all R&D engineers are encouraged to have extended immersive sessions at customer factories to gain first-hand experience of the issues faced by customers. This is

coupled with design thinking practices to unearth key issues and challenges for developing new products.

IPR awareness across multiple functions: The company actively promotes IPR awareness and provides training across departments, including R&D, HR, legal, finance, marketing, sales, IT, and production. This initiative strengthens the protection of our innovations, fosters cross-departmental collaboration on IP-related matters, and reinforces our approach as an IP driven organization.

Gennova Biopharmaceuticals Ltd

About the company

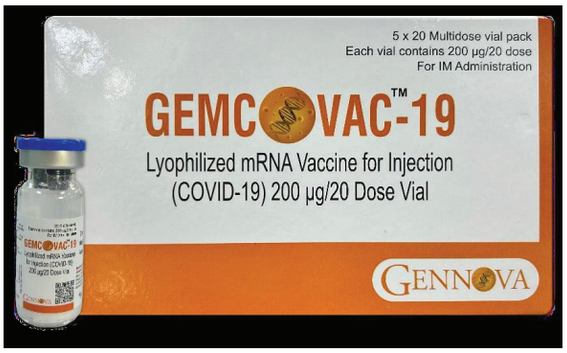
Gennova Biopharmaceuticals Ltd, headquartered in Pune, India, is a biotechnology company dedicated to the research & development, production and commercialization of biotherapeutics (biologics and vaccines) to address life-threatening diseases across various indications.

Gennova is transforming healthcare by creating efficient and effective solutions for manufacturing and successfully commercializing bio-therapeutics across cardiovascular, neurology, nephrology, and oncology segments. Incorporating recombinant DNA technologies and innovative bio- manufacturing practices, the company manufactures its products using bacterial, mammalian and mRNA-based platforms and has developed expertise in perfusion-based continuous manufacturing technologies. Gennova has commercialized seven products; 5 biosimilars, one generic, and one pioneering – 'first-in-the-world' product.

Gennova has developed India's first mRNA-based vaccine and the world's first thermostable mRNA vaccine against COVID-19. This mRNA based platform technology offers a rapid development path that will empower Gennova for combating future pandemic-like outbreaks.

About the Products

Elaximä (Recombinant Modified Tissue Plasminogen Activator, TNK-t-PA), a third-generation thrombolyte which is a modified version of natural tissue plasminogen activator, is indicated for use in the reduction of mortality associated with acute myocardial infarction (AMI).

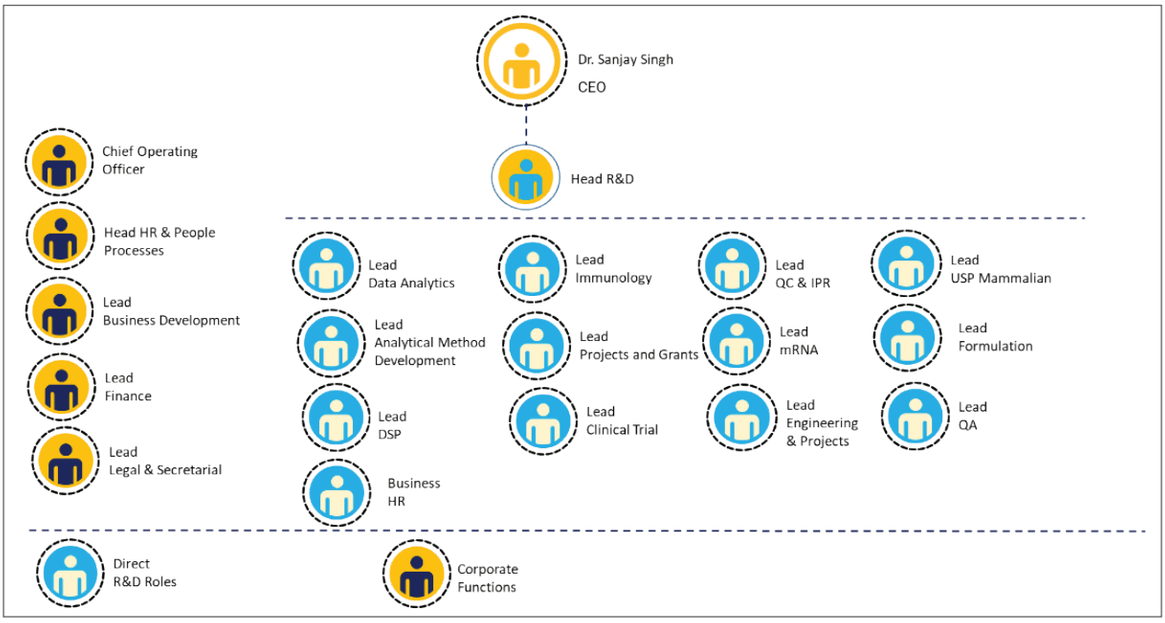


GEMCOVAC® (mRNA-based vaccine for COVID-19): Gennova has developed two mRNA vaccines, GEMCOVAC®-19 and GEMCOVAC®-OM, which CDSCO has approved for

Restricted Use in Emergency Situations. They are India's first mRNA vaccines and World's first Thermostable mRNA vaccines against COVID-19.

About Intellectual Property (IP) Policy

Gennova's IPR Policy aims to boost innovation while safeguarding Confidentiality of the Trade Secret. According to our company's policy, all existing and/or future intellectual property that the company owns and possesses shall remain under the sole and exclusive ownership of the Company and merely granting an access and/or allowing employee, to work upon or further develop such intellectual property shall not be construed as granting any sort of license, assignment or creating any right or interest or co-ownership to employee in respect of the said intellectual property or any improvement thereon.



Team Strength

Gennova's strength is in Innovation at All Levels, having Trust and Respect among team members, Quality with speed of delivery, being focused, leveraging individual and team excellence and cherishing purpose driven mindset of Transforming Healthcare.

Best Practices

Gennova's culture of Innovation at All Levels, people centric processes, purpose driven approach which gives us freedom to do science are our strengths that continues to give us an edge in scientific innovation and recognition in the space of Intellectual Property. Gennova has been recognized among Top 15 Best Places to work in Healthcare, Pharmaceuticals and Biotech Industry and Top 50 Mid-Sized Organizations across industries in India by the Great Place To Work organization. Along with innovation and performance driven mindset to address patient's urgency, we have a value called "Happy Place to Serve" (being purposeful and spreading happiness), is a differentiator for team members as they contribute in Transforming Healthcare.

Havells India Ltd

About the company

Havells India Limited is a leading Fast-Moving Electrical Goods (FMEG) Company and a major power distribution equipment manufacturer with a strong global footprint. Havells enjoys enviable market dominance across a wide spectrum of products, including Industrial and Domestic Circuit Protection Switchgears, Cables, Motors, Pumps, Solar Products, Fans, LED Lamps and Luminaries for Domestic, Commercial, and Industrial applications, Modular Switches, Water Heaters, Coolers and Domestic Appliances, Personal Grooming, Air Purifier, Water Purifier, Air conditioner, Television, Washing machine and Refrigerator covering the entire range of household, commercial and industrial electrical needs. With the acquisition of Lloyd in 2017, Havells has made a foray into high-potential consumer durables segments with offerings of air-conditioners, televisions, refrigerators, and washing machines. The synergy further complements the brand's 'Deeper into Homes' vision.

About the Products

1. Dual Mode Micro Inverter (DMMI)

DMMI brings a new dimension to our renewable products segment as a Solar dual mode micro inverter which provides flexibility of harnessing Solar energy for electricity generation at small and medium scale. With 5 US + 1 Indian technology patents and scalable modular design, DMMI has the potential to be an important building block of India's vision of Solar energy penetration to every household.

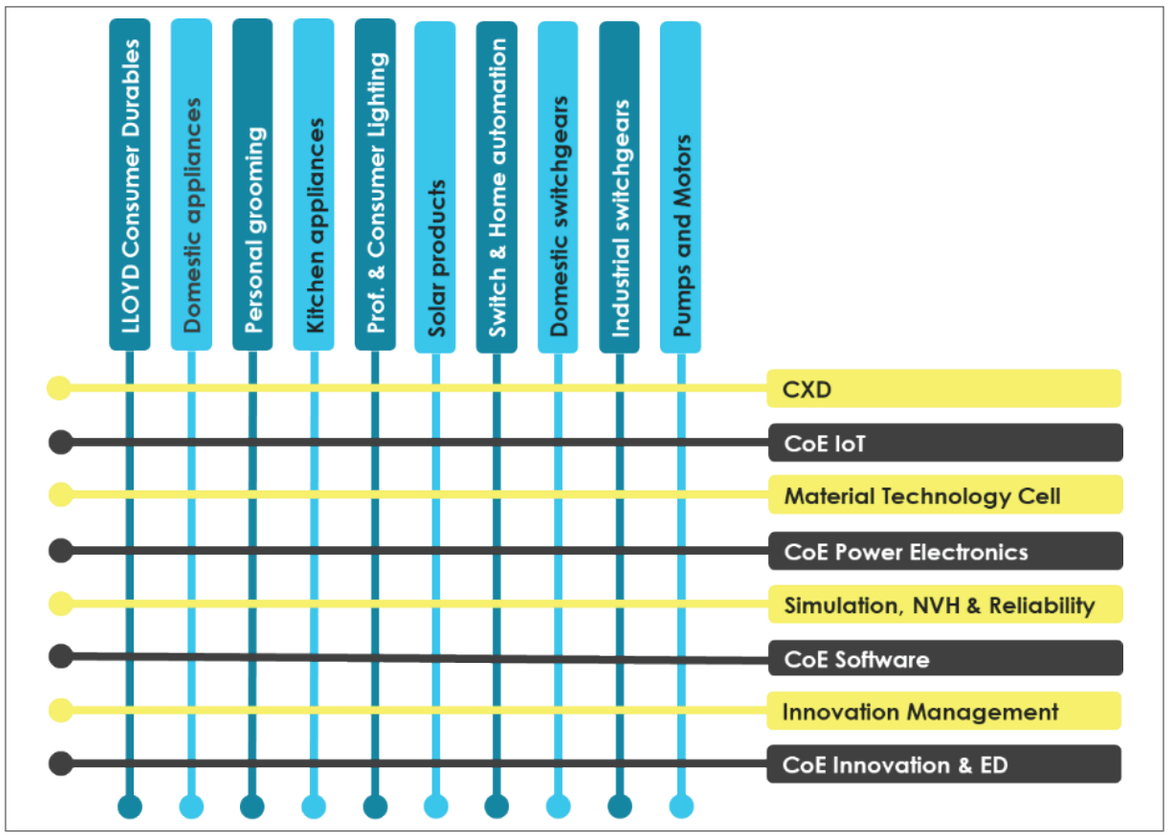
2. Silencio Mixer Grinder

While home appliances make our lives easier by reducing the efforts required in routine activities, they have their own set of nuisances. One such appliance is a mixer grinder, now an essential part of our kitchen but also commands a high degree of supervision and produces undesirable levels of noise. Working with these consumer pains, we developed a Silencio mixer grinder that can operate with minimal intervention, thanks to its pre-set logic, and is the lowest noise mixer in the segment. Silencio is an engineering masterpiece with 5 Patents and aesthetically superior design.

About Intellectual Property (IP) Policy

Havells IP policy covers Trademarks, Patents and Design registrations with sections defining process for application, screening, maintenance, renewal, and record keeping along with roles and responsibilities of relevant persons. Ownership of the IP policy is without legal team and is accessible in company's internal network. Trainings related to specific sections are delivered to relevant persons of other persons and included in new joiners' induction.

R&D Structure



Team Strength

Havells R&D Strength as of today is about 950 employees spread across 4 centers.

Best Practices

Havells is leading the benchmark among FMEGs (Fast Moving Electrical Goods) in India with its well-established R&D capabilities. With the focus on Innovation as one of the main pillars for growth, we are investing significantly in R&D competency and infrastructure build-up.

Indian Institute of Technology Madras

About the company

The Indian Institute of Technology Madras, established in 1959 by the Government of India, is a premier institute of higher technical education and is well known for basic and applied research, innovation, entrepreneurship and industrial consultancy. It has been consistently ranked as the number 1 engineering institution in India right from the inception of NIRF, Govt. of India (since 2015).

The Institute has 18 Academic Departments, a School of Sustainability and several advanced research centres in various disciplines of engineering and sciences. IIT Madras at present has more than 650 faculty members and 12,000 students. IIT Madras has produced over 60,000 graduates so far and has filed about 2800 Patent applications.

The Office of Industrial Consultancy and Sponsored Research (IC & SR) facilitates the institute's research activities, intellectual property protection and its commercialization, and industry interface. The Institute has a Research Park, a facility to encourage start-ups and nurture Industry-Academia collaboration.

About the Products

IIT Madras has filed ~1330 Intellectual Property/Innovation/Patents Applications both in India and abroad during the last 5 Financial years, 2019-20 to 2023-24.

Modular and Portable Plug-And-Train Robot for Providing Hand Rehabilitation

Road Dust Collector System

About Intellectual Property (IP) Policy

Intellectual Property Policy of IIT Madras provides full freedom to the inventors to innovate new ideas, develop prototypes, commercialise R&D products/developed technology, start-up and entrepreneurship activity. As per the institute policy, 72% of the revenue generated through commercialisation of the invention is given back to the inventors to encourage more IP generation and its commercialisation.

R&D Structure

The Dean (Industrial Consultancy & Sponsored Research) heads the Office of Industrial Consultancy and Sponsored Research which takes care of all activities related to funded projects, IP generation, protection & its commercialisation, industry interactions and other related R&D activities of the institute. IC&SR has six administrative verticals namely Administration, Technical, Finance & Accounts, IP Management, IT Support and Legal to take care of all activities related to R&D administration and IP management.

Team Strength

Intellectual Property Management Cell, IC&SR at IIT Madras takes care of IP applications filings, its protection & renewals and IP licensing. At present it has the team strength of nearly 35 members.

Best practices

- New ideas are generated through ideation process and prioritised based on their merit and relevance to the given problem.
- Conducts workshops, patent search training programmes, department visits periodically to promote patent filings awareness and process among students and researchers.
- All the inventors, including students are given full rights to their inventions.
- Institute takes care of IP filing and maintenance cost of Indian patent applications for all inventors up to 7 years. Also takes care of part of the international patent applications filings costs.
- Inventor has right to decide the IP commercialisation terms and conditions.

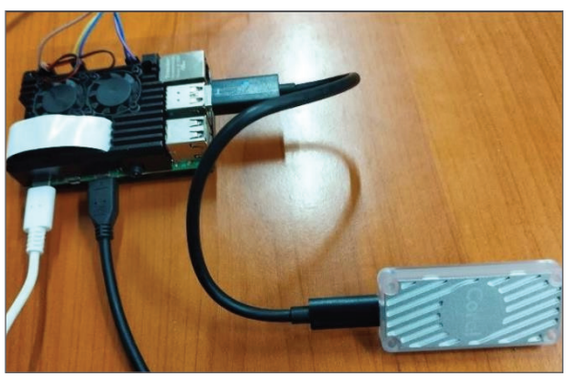
Indian Institute of Technology Roorkee

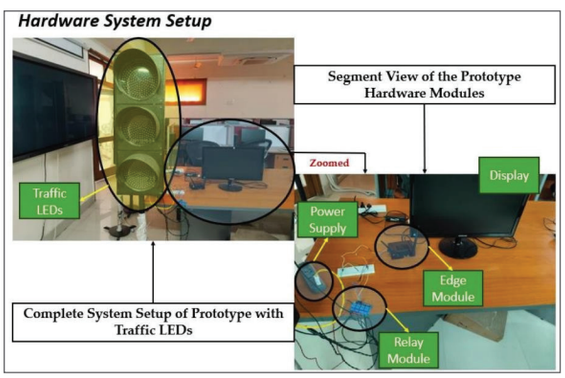
About the company

The Indian Institute of Technology (IIT) Roorkee, founded in 1847, is a leading institution in technology and engineering, recognized for its contributions to both basic and applied research. Over its 177-year history, IIT Roorkee has earned the "Most Innovative Institute" award from the Confederation of Indian Industries (CII) for four consecutive years (2020-2023). The institute offers a robust academic framework with 23 departments and 19 specialized research centers, such as the DRDO Industry-Academia Center of Excellence, International Centre for Dams, and Mehta Family School of Data Science & AI. IIT Roorkee promotes interdisciplinary collaboration and has strong innovation and incubation ecosystems, including an IPR Cell, Technology Innovation Hub, and industry accelerator AARTI. In the past year, it secured 147 patents and successfully transferred 12 technologies to industry. With a QS world ranking of 335, IIT Roorkee continues to make significant global contributions to technological education, research, and innovation.

About the Products

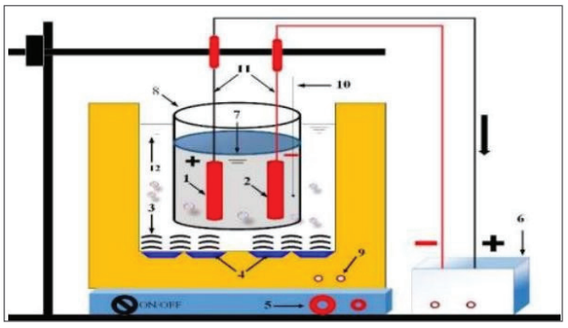
1. A Wireless Edge Computing-Based Adaptive Traffic Control System With Real-Time Vehicle Tracking And Cloud Integration 202311079549 dated 23/11/2023 This technology introduces a smart traffic control system that uses advanced technology to improve city traffic flow.

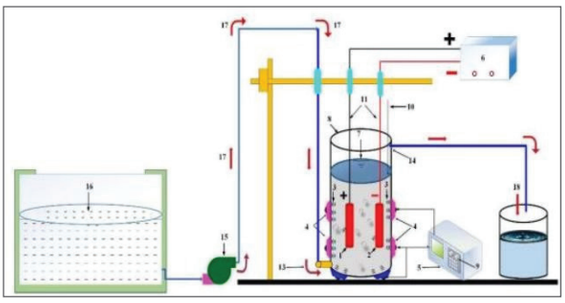




2. Sono-Electrochemical Method for the Degradation of the Recalcitrant Pollutants in Wastewater

This technology provides an advanced method to clean industrial wastewater using a sono- electrochemical reactor. It treats polluted water from industries like cosmetics or pharmaceuticals by combining electricity and sound waves.





About Intellectual Property (IP) Policy

The IIT Roorkee IPR Policy aims to foster a research-driven environment, promote intellectual property creation, and facilitate its transfer to the public while ensuring compliance with relevant laws. It encourages and provide a conducive environment leading to development of intellectual property innovation, supports funding for research, and maximizes the benefits of IP for creators, the Institute, and society.

R&D Structure

The Research and Development (R&D) structure at IIT Roorkee is designed to foster interdisciplinary collaboration and innovation. The Sponsored Research & Industrial Consultancy office facilitates research funding, industry partnerships, and technology transfer, supporting faculty and student-driven projects. IIT Roorkee encourages strong links with industry and government for applied research and societal impact

Team Strength

The IIT Roorkee team's strength includes diverse, ranging creative experts with national and international expertise, enabling a secure, equitable, and collaborative environment. We provide top-tier resources, specialized thinking and discussion spaces, and substantial financial assistance to ensure optimal teamwork, and excellence in every project we undertake. The innovative approach, coupled with strong industry partnerships, enables them to consistently evaluate and promote groundbreaking IP, making them a key contributor to the CII Industrial IP Awards.

Best Practices

IIT Roorkee's best practices for the CII Industrial IP Award highlight a robust and systematic approach to intellectual property (IP) management. The institution emphasizes a strong IP culture, providing researchers with guidance on patenting, licensing, and commercialization. Regular training programs, workshops, and industry interactions promote awareness and enhance IP competencies. Through its technology transfer activities, IIT Roorkee actively supports collaboration between academia and industry, ensuring that innovations are protected and effectively brought to market. The institution's commitment to safeguarding intellectual property, coupled with its rigorous evaluation processes, positions it as a leader in fostering innovation and IP excellence.

India Nippon Electricals Ltd

About the company

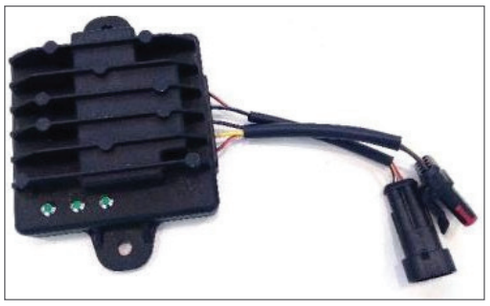
India Nippon Electricals Ltd (INEL) was incorporated in1984 and owned by Lucas Indian Service Limited, a wholly owned subsidiary of Lucas-TVS Limited. It has three manufacturing facilities located at Tamil Nadu, Puducherry & Haryana. We have established a dedicated “Tech Centre” with state-of-the-art test facilities to cater product development at Hosur. We have a total of 2200 employees with 150 Engineers supporting product development. Our customers include major two / three-wheeler and general-purpose engine OEMs in India. We export our products mainly to Japan, China, Europe and North America.

About the Products

INEL designs, develops & manufactures Electro-mechanical & Electronic products which include Permanent Magnet Generators and Motors, a vide range of controllers viz EFI ECU, ISG controller, Motor controller, DC-DC converter, Displays, Sensors – linear position, pressure, temperature & rotation, Voltage Regulators and Ignition Coil. Our products are used in ICE & EV applications.

Rotors

Stators



DC DC Converter

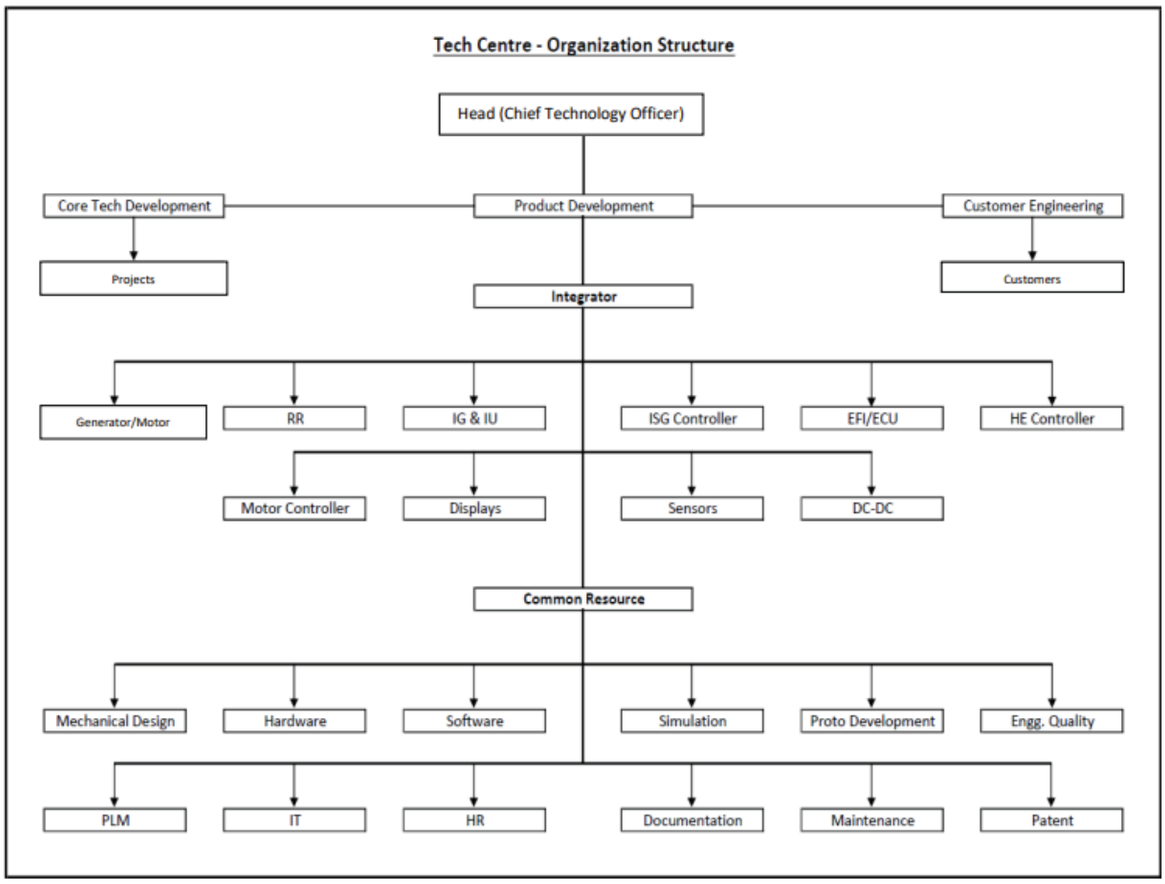
Intellectual Property (IP) Portfolio

INEL has 28 granted Patents with an impressive track record of productionising 18 of them. Further, 9 patents are in various stages of processing. The field of invention spanning Electrical, Electronics, Mechanical, General Engineering & Physics. We have 21 Design registrations & 4 trademarks registrations.

About Intellectual Property (IP) Policy

INEL IP policy has been established to create awareness, promotion and management. The IP policy also encourages in monetising by supply of competitive products.

R&D Structure



Team Strength

We have a team of 20+ engineers working for IP creation, monitoring, protection, FTO analysis and recommendation.

Best Practices

We encourage our Engineers to study applications where our products are used to look for shortcomings to identify opportunities. Many of our patents are born out of such keen observations. The company duly recognises individuals & groups for IP creation.

Our company is certified for TS16949-2016, ISO2700-2022, ISO14001-2015, ISO45001-2018 and Great Place to Work ™ certification.

Indian Oil Corporation Ltd

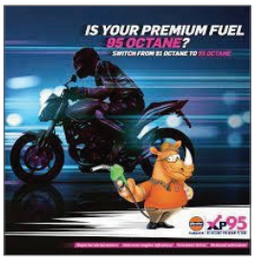
About the company

IOCL is India's flagship Maharatna national oil company with business interests straddling the entire hydrocarbon value chain – from refining, pipeline transportation and marketing, to exploration and production of crude oil and gas, petrochemicals, gas marketing, alternative energy sources and globalization of downstream operations with state-of-the-art technologies and cutting-edge R&D Centre.

Indian Oil's sprawling R&D Centre at Faridabad is one of Asia's finest in downstream petroleum research, development and commercial deployment. With a sprawling 65-acre campus in Faridabad, Haryana on the outskirts of the National Capital, IndianOil R&D has an impressive array of most advanced equipment, and experienced researchers & scientists. Since inception in 1972, IndianOil R&D has been developing world-class technology, refining process solutions and innovative products. With nearly five decades of pioneering work in lubricants formulation, refinery processes and pipeline transportation, IndianOil R&D has nearly 1700 patents, with patents filed both in Indian and Foreign jurisdictions.

About the Products

IndianOil's cutting-edge research is showcased by IndianOil's SERVO product line comprising more than 7,000 lubricant & grease formulations and 850 active grades to suit virtually every conceivable application. In addition, R&D Centre has also developed several refinery process technologies and catalysts specially suited to Indian conditions. The Centre's basket of technologies and research work includes alternative energy technologies in Solar Energy, Bioenergy, Hydrogen energy, and gasification focusing on cutting-edge research in nanotechnology, petrochemicals & polymers, coal gasification/ liquefaction, and gas-to-liquid technologies. The Centre is also nurturing an eco-system conducive for innovations in the domestic hydrocarbons sector through a Startup Fund.



India's first 95 Octane petrol: XP-95

High-performance Diesel Brand-XtraGreen

Differentiated LPG with nano-additive : Indane XTRATEJ

R&D Structure

IndianOil R&D is led by Sh Alok Sharma, Director(R&D). Research verticals are organized according to specialized areas such as Refining Technology, Lubricant Technology, Petrochemicals, Catalysts, Nanotechnology, Bioenergy, Alternative Energy and each vertical is headed by an Executive Director.

Team Strength

Team IndianOil R&D is composed of a diverse mix of scientists, engineers from varied disciplines such as chemistry, chemical engineering, biotechnology, nanotechnology, polymer science, mechanical engineering and metallurgy etc.

Best Practices

IndianOil R&D Centre follows management approved guidelines for screening and evaluation of IP, foreign filing criteria, annual review of annuities, periodic reviews of renewal decisions linked to commercialization of patents etc.

Kumaraguru College of Technology

About the company

Kumaraguru College of Technology (KCT), Coimbatore is a private Engineering College started in 1984 under the auspices of Ramanandha Adigalar Foundation, a charitable educational trust of Sakthi Group. Situated in a sprawling 156-acre campus in the IT corridor of Coimbatore, KCT is an autonomous institution affiliated to the Anna University, Chennai and approved by All India Council for Technical Education (AICTE). Commemorating 40 years of educational excellence, KCT has been accredited by National Assessment and Accreditation Council (NAAC) with Grade 'A++' of CGPA 3.62 on a 4 - point scale. 13 UG programmes and 3 PG programmes have been accredited by National Board of Accreditation (NBA) under Tier -I. Kumaraguru has been rated as " Platinum Grade" by Indian Green Building Council, New Delhi.

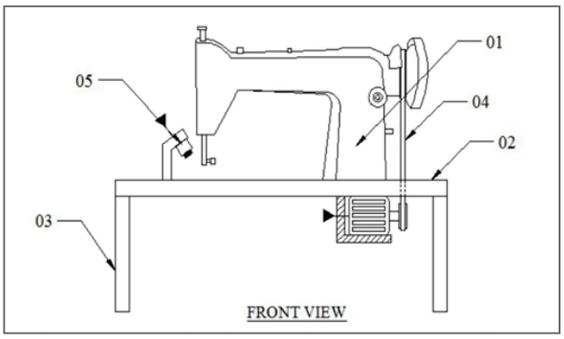
The able guidance and patronage of Arutselvar Dr. N. Mahalingam, Founder, Sakthi Group along with the efficient administration of Dr. B. K. Krishnaraj Vanavarayar, Chairman, the resourcefulness of Sri. M. Balasubramaniam, Correspondent and the foresightedness of Sri. Shankar Vanavarayar, Joint Correspondent have equipped the College with excellent facilities - spacious classrooms, excellent seminar halls, well-equipped laboratories, sporting amenities, dedicated high-speed internet connectivity (broadband) and well-qualified faculty.

About Intellectual Property (IP) Policy

"KCT IPR Policy aims to foster innovation and intellectual property protection. The Institute's IPR Cell assumes full responsibility for filing expenses, backed by dedicated faculty expertise, Student team, state-of-the-art infrastructure and unwavering management support. Revenue generated from intellectual property exploitation is shared equitably among inventors and KCT, promoting mutual benefit and growth."

About the Product

1. ONLINE SEWING DEFECTS MONITORING



i. SEWING MACHINE

ii. BASE FRAME

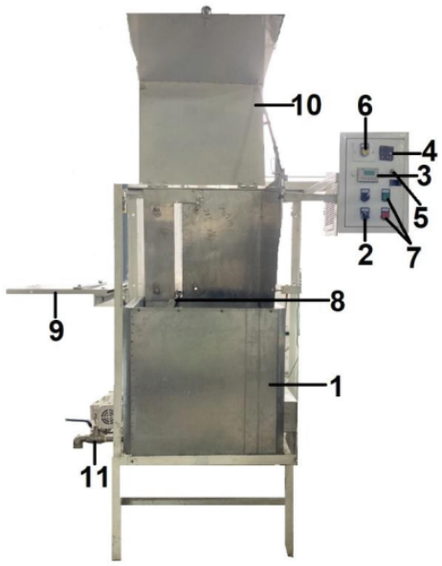
iii. LEG SUPPORT

iv. BELT DRIVE

v. WEB CAMERA

2. SECTIONAL HANK DYEING MACHINE

Dyeing machine components



1. Dye bath
2. Heater on/off
3. Movement control panel
4. Temperature control panel
5. Switch for oscillatory/rotatory movement
6. Vertical movement of hank holder
7. Cycle start/stop
8. Hank holder
9. Warp bundle holder
10. Lid
11. Drain outlet

Mahindra & Mahindra Ltd

About the Company

Founded in 1945, the Mahindra Group is one of the largest and most admired multinational federation of companies with 260,000 employees in over 100 countries. It enjoys a leadership position in farm equipment, utility vehicles, information technology and financial services in India and is the world's largest tractor company by volume. It has a strong presence in renewable energy, agriculture, logistics, hospitality, and real estate.

The Mahindra Group has a clear focus on leading ESG globally, enabling rural prosperity and enhancing urban living, with a goal to drive positive change in the lives of communities and stakeholders to enable them to Rise.

About the Products

Thar ROXX – 'THE' SUV : The latest product from Mahindra's stable Thar ROXX – 'THE' SUV, is a category disruptor set to break norms and redefine the SUV landscape in the country. The Thar ROXX is designed and engineered to turn heads and deliver a refined drive and powerful yet safe performance, the Thar ROXX conquers all terrains while offering an array of luxurious features.

Yuvo Tech+ powered by CBG (Compressed Biogas: Mahindra Tractors, India's leading tractor brand, showcased its first CBG (Compressed Biogas) powered tractor. By using compressed natural gas, the Mahindra CBG powered tractor represents a significant advancement in tractor technology, reducing pollutants and carbon emissions. Compared to CNG, which is dependent on fossil fuels, compressed biogas is a green, renewable fuel that is sustainable and ensures reduced reliance on fossil fuels.

About Intellectual Property (IP) Policy

At M&M, IP policy revolves around primarily 3 pillars – Being vigilant and IP aware; Create, Protect and Enforce our IP; Respecting others' IP. Policies are based on the following principles of ethics, transparency, and accountability:

- To recognize and respect the rights of the people who may be owners of traditional knowledge, and other forms of intellectual property.
- To respect the interests of, and be responsive towards its stakeholders, especially those who are disadvantaged, vulnerable and marginalized.

- To use the IP of M&M or Mahindra group companies only in accordance with the policies or as stated in the respective agreements.

Team Strength

The Intellectual Property & Knowledge Management is a 20+ strong team supporting both Auto and Farm Sectors of M&M.

Best Practices

- IP check point at every stage gate of product life cycle through appropriate IPR protection & risk mitigation strategies.
- Improving Innovation through Knowledge Management Index,
- Mahindra Inventors Academy – Inventors come forward, share their experiences, best practices, and guide budding engineers become inventors.
- Strong Rewards & Recognition program.
- Extensive Partnership with Academia

Matter Motor Works Pvt Ltd

About the Company

MATTER was born from a vision of steering India toward a sustainable future. MATTER is a trailblazing technology startup with a bold vision: to lead India into a sustainable future. Established in January 2019 in Ahmedabad, MATTER has embraced an "Innovate in India" philosophy, focusing on advanced electric vehicle platforms and energy storage systems. At the heart of MATTER's achievements lies the AERA, India's first geared electric motorbike, showcasing a dedication to groundbreaking innovation.

Backed by a team of over 400 forward-thinking innovators, MATTER's in-house technology stack is redefining cleaner mobility. This commitment has earned the company prestigious accolades, including the Clarivate South Asia Innovation Award in the Automotive category and the title of "Innovation Startup of the Year" at the Outlook Business Spotlight Awards. With an impressive portfolio of over 300+ patent filings and 50+ granted patents, MATTER's expertise spans key areas such as powertrain cooling, battery management, gearbox technology, charging infrastructure, and manufacturing automation.

About the Products

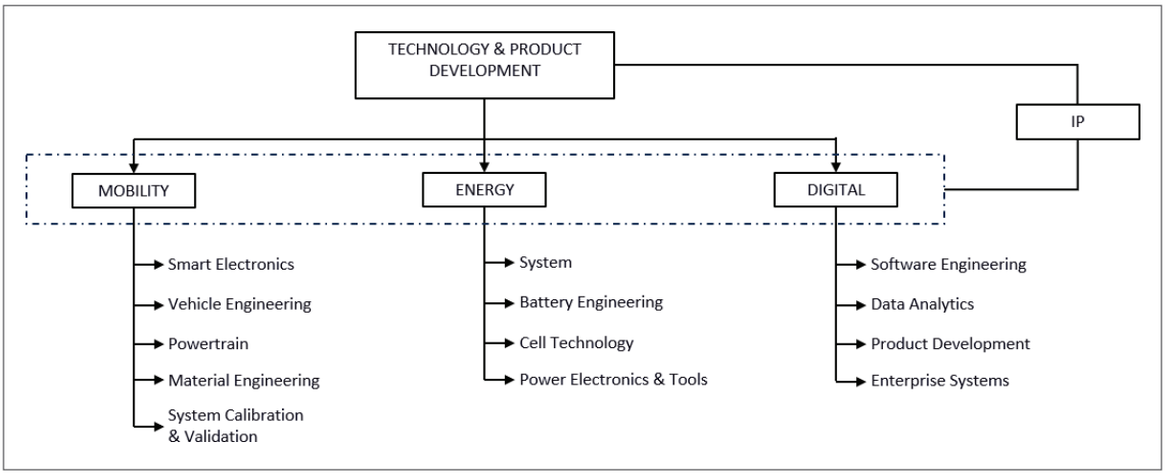
The MATTER AERA stands as a testament to engineering excellence, integrating a proprietary 5 kWh liquid-cooled battery and powertrain that deliver unmatched performance and durability. Its innovative 5-amp onboard charging system offers seamless convenience, making it the perfect partner for both city commuting and long-distance adventures.

Redefining connectivity, the AERA features a 7-inch touchscreen with internet-enabled capabilities like navigation, music, and calls, elevating the rider's experience to a new level. With deliveries commencing this festive season, the AERA signals a transformative era in electric mobility for India. Recognized as the "Star Electric Bike of the Year" at the Entrepreneur's India EV Show Awards, the AERA exemplifies cutting-edge design and high performance.

About Intellectual Property (IP) Policy

Matter's IP Policy ensures that any idea solving a problem must be evaluated for patentability and FTO check to ensure appropriate protection for exclusive rights, and to minimize any future risk. Also, the policy is aligned with our R&D Goals that encourage development and fostering Innovation from top to bottom.

R&D Structure and Team Strength



MATTER believes in vertical integration. It represents a holistic approach towards crafting technological marvels. From conceptualization to design, development, and final assembly, MATTER ensures that every facet of their groundbreaking technology is meticulously optimized to deliver performance, safety, security, and reliability. 600+ minds at MATTER make this dream a reality.

Best Practices

For a technology-driven startup, intellectual property (IP) is a critical asset. Proper management of IP not only protects innovations but also provides strategic advantages. Few of the IP practices followed by team MATTER are as follows;

- Encouraging a Culture of IP Awareness
- Using Non-Disclosure Agreements (NDAs)
- Documenting All Innovations
- Filing patents at ideation stage
- Establishing Clear Ownership Agreements
- Collaborating with IP Professionals Conducting IP Audits Regularly

Meril Life Sciences Pvt Ltd

About the Company

Founded in 2006 by the Bilakhia Group, Meril has swiftly emerged as a leader in India's medical device industry. The company's vision is closely aligned with the "Make in India" initiative, aiming to reduce India's reliance on imported medical devices by manufacturing high-quality products domestically. Meril initially focused on cardiology, orthopedics, and in- vitro diagnostics, later expanding its offerings to include neurology, ENT, and AI-driven robotics for medical applications. Today, Meril operates in over 150 countries, with a presence in global markets through 33 subsidiaries, positioning itself as a significant global player in the medical device sector.

R&D Structure

Innovation is at the heart of Meril's success. Since its inception, the company has invested heavily in research and development (R&D) through DSIR-approved facilities. With over 100 patents granted, Meril has developed pioneering medical devices, including Temporary Ventricular Assist Devices (TVAD) and vascular closure systems. These innovations have not only improved patient outcomes but also reduced the cost of life-saving treatments globally. Meril's R&D commitment has earned it several national and international awards, further solidifying its reputation as an innovation-driven company.

Best Practices

Meril is a prime example of the "Make in India" vision, with state-of-the-art manufacturing facilities focused on producing world-class medical devices within India. These facilities are central to reducing India's dependency on imports, particularly in the cardiovascular segment. Meril has captured over two-thirds of the Transcatheter Aortic Valve Replacement (TAVR) market in India, making critical treatments more affordable for patients.

Training and Empowerment of Healthcare Professionals

Meril is also deeply committed to the education and skill development of healthcare professionals. The company's Vapi Academy, the largest medical training center in India, along with 12 other academies worldwide, provides state-of-the-art training in advanced medical technologies. These academies are equipped with live surgical simulators and robotic systems, allowing healthcare practitioners to learn modern surgical techniques. Through continuous training, Meril has empowered over 10,000 healthcare professionals, contributing significantly to India's medical workforce and creating job opportunities in the sector.

Manufacturing Excellence and Global Leadership

Meril's adherence to international manufacturing standards has been crucial in its rise to global leadership. The company's manufacturing facilities are designed to meet the stringent regulatory requirements of over 150 countries. Nearly 90% of Meril's TAVR heart valves are exported internationally, cementing its position as a global leader in cardiovascular care. These advancements in manufacturing have also contributed to the development of specialized skills within India, further enhancing the country's healthcare infrastructure.

Shaping the Future of Healthcare

As Meril continues to innovate and expand, its focus on R&D, self-reliance, and global outreach positions it to shape the future of healthcare. By making advanced medical treatments more accessible and affordable, especially in emerging markets, Meril is not only strengthening India's healthcare system but is also playing a key role in global healthcare innovation.

Chronology of Meril's Milestones

- **2006:** Meril was founded by the Bilakhia Group, entering the medical device sector.
- **2008-2013:** Expanded into orthopedic implants and in-vitro diagnostics.
- **2016:** Launched its first Transcatheter Aortic Valve Replacement (TAVR), revolutionizing cardiac care in India.
- **2021:** Scaled up production of heart valves and stents, capturing significant market share domestically and internationally.
- **2024:** Continues to lead the industry with innovations in AI robotics and new product lines in neurology and ENT.

Through its continuous innovation, commitment to training, and focus on self-reliance, Meril is set to remain a key player in the global medical device industry, shaping the future of healthcare worldwide.

Mist Ressonance Engg Pvt Ltd

About the Company

MREPL is a manufacturing company based in Pune & we are the innovators of Mist Creation Technology since 1990. Company is well known in the Process Industries & Power plant for its innovative water cooling & vacuum related solutions. Industries spread across various countries have benefited by the technology rooted in an Eco-friendly base, energy conservation and quality production. Our office is at Bajirao Road, Pune & Factory on Bangalore highway. MREPL is proud to be recognized by the Government of India as an In-House R&D unit.

Our Products are based on the concept of energy & water conservation, thus taking strong steps towards reaching a green environment. We have Presence in 17 countries outside India apart from our prestigious clients in India.

About the Products

a) Mist Cooling System (MCS):

Mist Cooling System is a superior alternative to conventional cooling tower, which ensures highest cooling efficiency without using any plastic Fills. As per the need of the industry, we have various models wherein we can replace conventional Cooling Towers with our technology, thus saving huge amount of Fan power with negligible maintenance required.

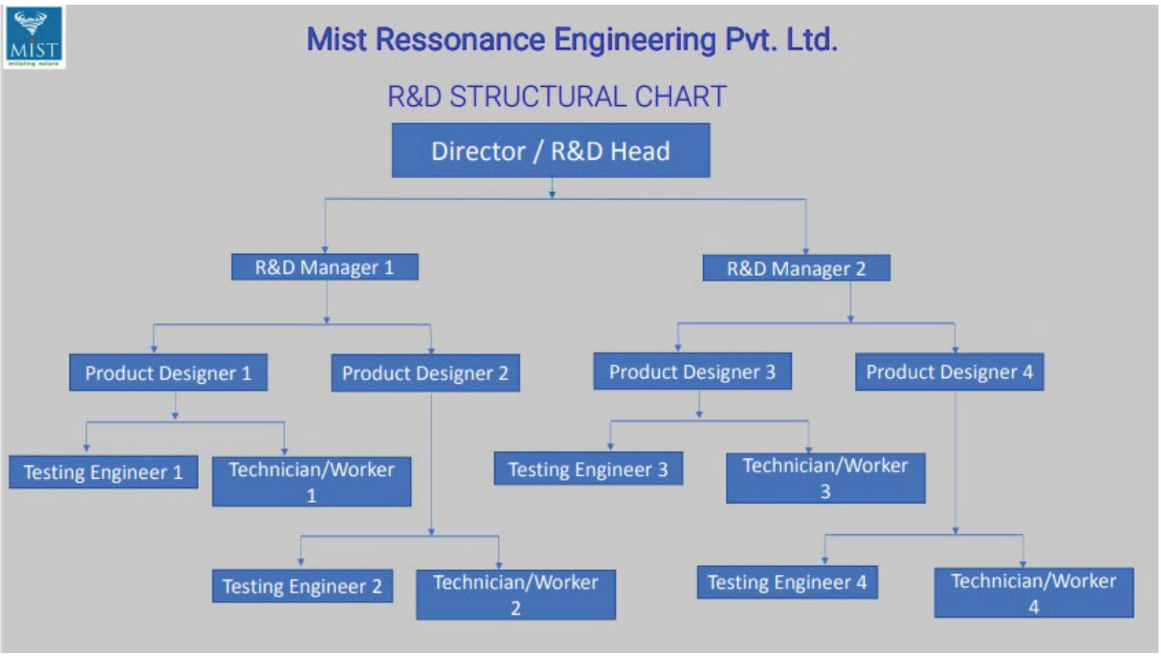
b) Mist Type Water Jet Vacuum System (MTWJVS).

Our Mist Type Water Jet Vacuum System performs multiple functions of condensation of vapors as well as production of vacuum in the same unit by using water alone. As per requirement of the industry, we offer a system suitable for operation without any steam consumption or with very low steam consumption thus saving huge amounts of coal / power.

About Intellectual Property (IP) Policy

We at MREPL are committed to follow the norms & guidelines of the Intellectual property (IP). We understand that Intellectual property (IP) is the most valuable asset for any organization or individual & we ensure that Intellectual Property shall touch upon the protection of IP, ownership, data protection and privacy, infringement, and web / domain name issues.

R&D Structure



Team Strength

1) Strong Innovation & dedicated minds.
2) Good Communication & Effective leadership.
3) Complete awareness of IT Policy & its implementation.
4) Excellent collaboration with the working & operation team.

Best Practices

Our R&D development has a focused approach for any new product development or innovation required for problem solving in following stages.

1) Development of new ideas / need of innovation for problem solving of ongoing projects.
2) Complete design of prototype & its technical & commercial validation.
3) Prototyping & testing at actual working conditions.
4) Launch of product for regular production.
5) Marketing & Business growth.

On2Cook India Pvt Ltd

About the Company

On2Cook India Pvt Ltd is Redefining Smart Kitchen Automation On2Cook India Pvt Ltd is pioneering India's journey as a global leader in smart kitchen automation through its IP-driven innovation. The company's patented flagship device revolutionizes cooking by combining microwave and induction technologies, slashing cooking time by up to 70% while preserving essential nutrients and flavors. With 14 global patents granted across USA, European Union, UK, Russia and India and 20+ filed, On2Cook exemplifies India's potential in cutting-edge kitchen technology, blending sustainability, efficiency, and culinary excellence. As the world's fastest cooking device, it empowers professional and home kitchens to achieve unprecedented levels of convenience and quality. Committed to its vision of becoming a global leader, the founders are leveraging On2Cook's groundbreaking solutions to set new standards in culinary innovation. As a symbol of India's prowess in intellectual property and technology, On2Cook is transforming kitchens worldwide and defining the future of smart cooking.

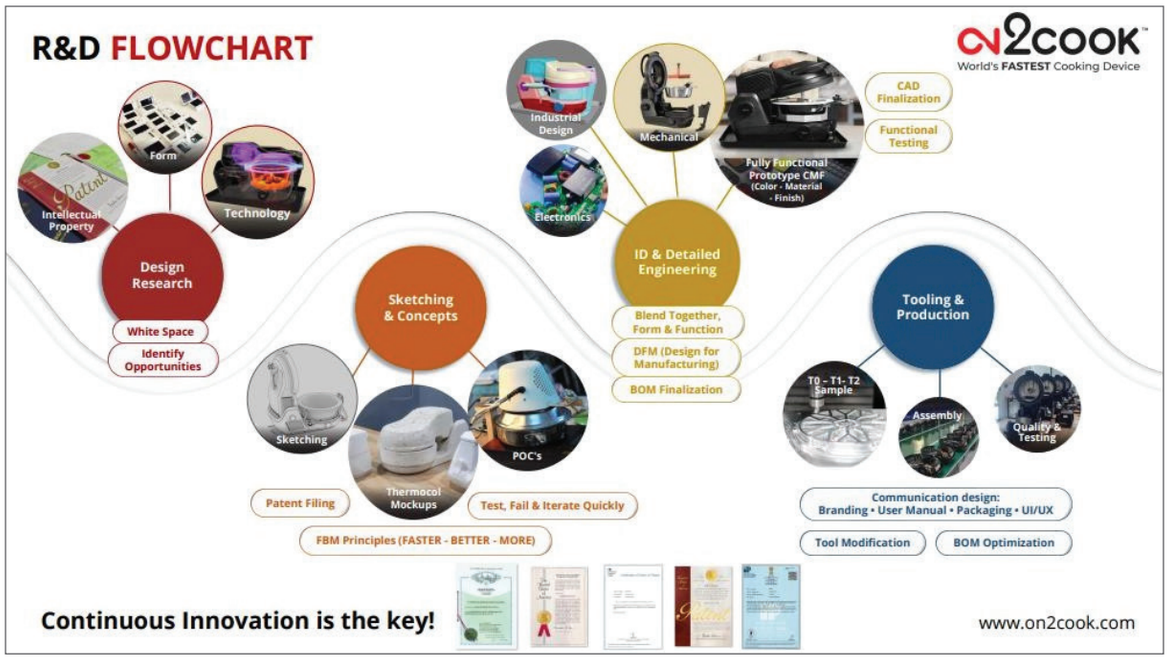
About the Products

The On2Cook Hybrid Cooking Device is a revolutionary innovation that combines microwave and induction technologies, redefining speed, efficiency, and versatility in the culinary world. This patented product reduces cooking time by up to 70% and energy consumption by 50%, all while ensuring consistent, high-quality results. Designed for diverse applications, it is a game- changer for cloud kitchens, HoReCa, caterers, and home chefs. The product roadmap includes exciting future developments, such as a residential model for home kitchens and a large commercial version for industrial-scale operations. To enhance user convenience and functionality, On2Cook offers a range of smart accessories, including frying baskets, pans, and stirrers. C of sustainability and 14 granted global patents with 20+ filed, On2Cook sets new benchmarks in smart kitchen automation, transforming the cooking experience worldwide.

About Intellectual Property (IP) Policy

On2Cook is committed to safeguarding its innovations through a comprehensive IP strategy, ensuring a competitive edge globally. With 14 granted patents and 20+ pending, we prioritize protecting our proprietary hybrid technology while fostering innovation and sustainable growth. This approach underscores our dedication to long-term leadership in smart kitchen automation.

R&D Structure:



Team Strength

On2Cook is driven by a talented team of 60+ professionals specializing in R&D, product design, manufacturing, marketing, and culinary sciences. Guided by visionary co-founders Sanandan and Jyoti Sudhir, the team combines cross-functional expertise, innovation, and operational excellence to redefine smart kitchen automation on a global scale.

Best Practices

On2Cook thrives on innovation-driven R&D processes, integrating customer feedback to refine its products continually. Sustainability is at the core of its operations, with practices aimed at reducing energy consumption and food waste. A robust IP portfolio ensures competitive differentiation, safeguarding proprietary technology.

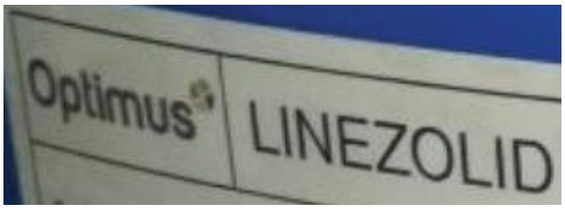
The company emphasizes operational excellence and actively collaborates with industry leaders to set benchmarks in smart kitchen automation. Employee engagement programs and continuous learning initiatives foster a culture of innovation and excellence, empowering the team to stay ahead in the rapidly evolving culinary tech industry.

Optimus Drugs Pvt Ltd

About the Company

Sekhmet Pharmaventures (formerly known as Optimus Drugs Pvt Ltd). Sekhmet Pharmaventures is a leading Pharma platform in the spaces of API, Intermediates, Finished Dosage Formulations; CMO & CDMO services. Sekhmet Pharmaventures operate utilization of resources, creativity and innovation. Sekhmet Pharmaventures protect their own inventions by filing the patent applications in the countries of their business of interest including India, USA, Europe, and other territories.

About the Products



Linezolid IN 281489 patent, describes an improved process for the preparation of Linezolid, which comprises reacting methyl (3-fluoro-4-morpholinophenyl) carbamate with 2-[(2S)- oxiran-2-ylmethyl]-1H-isoindole-1,3 (2H)-dione in presence of inorganic base such as metal hydrides or alkali metal iodides, the reaction is completed within 2 to 3 hours at 50°C, followed by subsequently conversion to Linezolid. Moreover, the entire reaction is carried out in less span of time with suitable temperature and thereby producing good quantity of yield and high purity of Linezolid with the cost-effective and commercially feasible process. An invention is a new solution to a technical problem protected through intellectual property (IP) rights. IP plays an important role in facilitating the process of taking innovative technology to the marketplace.

Isavuconazonium sulfate IN 2022216006158 patent application, describes a novel crystalline Form GL-1 of Isavuconazonium sulfate and its purification process by comprising mixture of nitrile solvent and water. The present invention crystalline Form GL-1 of Isavuconazonium sulfate with thermodynamically stable and commercially scale suitable for large scale industrial production. An invention is a new solution to a technical problem protected through intellectual property (IP) rights. IP plays an important role in facilitating the process of taking innovative technology to the market place.

About Intellectual Property (IP) Policy

- Intellectual property (IP) rights important economic assets of Sekhmet Pharmaventures.
- IP policy was designed in Sekhmet to incorporate synergy, best practices, EoDB (ease of doing business), to safeguard IP rights by funding into knowledge development/ research & promote innovation.

R&D Structure

Sekhmet Pharmaventures R&D division is headed by Dr. Vekariya and the IPM, Legal/ litigation teams headed by Dr. Tej Kumar Kokkirala.

Team Strength

More than 100 members are in the R&D Team and more than 9 in IPM, Legal. Sekhmet Pharmaventures is incredible in IPM, research & development, quality control, analytical team, distribution, research scientist, product specialist, pharmaceutical sales and process/ product commercial manufacturing team.

Best Practices

Sekhmet Pharmaventures actively look to reconfigure and realign strategy, structure, staffing and spend to drive success. Specifically, executives use their benchmarking services to uncover organizational gaps and industry, cross-industry benchmarks across branded and generic drug manufacturers, strategy, structure, leadership/cost, investment, business economics, technology/innovation, future trends/quality (cycle times, yields, purity, productivity...), best practice insights and process excellence and launch planning and lifecycle management.

Poly Medicure Ltd

About the Company

We are among the top five companies in the medical devices industry in India, in terms of operating income and stand fifth in terms of profit after tax ("PAT"), in Fiscal 2023 (Source: CRISIL Report). We manufacture and supply, in India and internationally, a diverse portfolio of medical devices in the product verticals of infusion therapy, oncology, anesthesia and respiratory care, urology, gastroenterology, vascular access, surgery and wound drainage, dialysis and renal care, diagnostics, transfusion system, veterinary medical devices, and others. In Fiscal 2023, we expanded into cardiology, and launched a critical care division for focusing on products used in intensive care. As of June 30, 2024, we had over 123 categories with 6,745 SKUs of disposable medical devices.

We currently operate 12 manufacturing facilities across India, China, Egypt and Italy. In India, we operate nine manufacturing facilities, including six facilities situated in Faridabad (Haryana), two facilities (including a SEZ unit) situated in Jaipur (Rajasthan) and one facility in Haridwar (Uttarakhand). Our Indian manufacturing facilities have been accredited with several international quality certifications. All our manufacturing facilities in India have been accredited with the EC certificates for quality assurance systems and EN ISO 13485:2016 certifications. Further, our Faridabad Facility-I, Faridabad FacilityII, Faridabad Facility-V and Haridwar Facility, have also been accredited with management system certificates for compliance with ISO 9001:2015.

About the Products

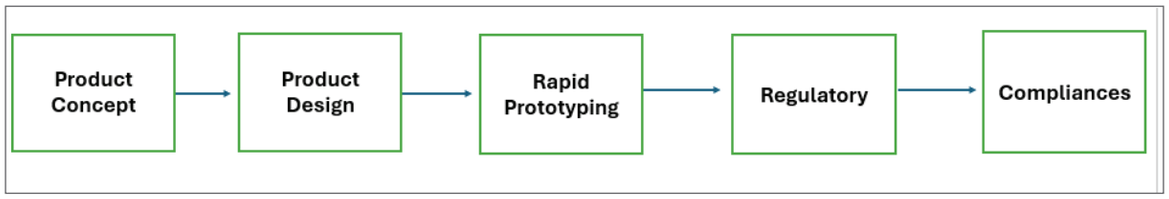
We had over 123 categories with 6,745 SKUs of disposable medical devices across 11 product verticals of infusion therapy, oncology, anesthesia and respiratory care, urology, gastroenterology, vascular access, veterinary medical devices, surgery and wound drainage, dialysis and renal care, transfusion system, diagnostics, cardiology, and critical care.

Infusion therapy is our key product vertical. We are the first Indian company to indigenously manufacture dialyzers in India.

R&D Structure

We operate one in-house R&D facility at Faridabad (Haryana) ("R&D Center"), which has been approved by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India ("DSIR") with 63 personnel, including 59 engineers.

Our R&D is focused on developing environment friendly alternatives and cost effective designs, models and processes involving minimal wastage for manufacturing disposable medical



About the Intellectual Property (IP) Policy

Our success depends, in part, on our ability to protect our intellectual property, including our patents, trade secrets and other proprietary information. As part of our growth strategy, we actively file and seek to obtain patents for new products under development. As of June 30, 2024, we have been granted 325 patents and have filed 44 patent applications globally (including India), own 283 registered trademarks, including our logo, 119 registered designs and 15 registered copyrights.

Best Practices

- Continue to focus on research and development to enhance innovation
- Increase market share in domestic and international markets
- Expansion through strategic initiatives
- Transition to a solution provider business model
- Enhance our manufacturing capabilities and expand our product portfolio to leverage industry growth driver

Team Strength

- One of the leading Indian companies in the disposable medical devices industry with a diversified product portfolio
- Strong research and development capabilities
- Global manufacturing capabilities with a focus on automation
- Experienced management team and skilled employee base

Pradeep Metals Ltd

About the Company

Pradeep Metals Ltd (PML), established in 1982, manufactures ferrous & non-ferrous hot closed-die forgings and precision machined components. PML believes in producing and delivering products of the highest quality to customers. PML has invested in windmill and solar energy and is a 100% green energy company and takes sustainability as its core value system.

Recognizing the energy crises in India in 2005, PML established "Industrial Microwave Research Center" (IMRC), dedicated for developing energy efficient microwave-based technologies for industries. PML was aware that IMRC may not give immediate returns to the company, as metals are prohibited for processing under microwaves. However, IMRC was established with a broad National objective to open new horizons for the Indian industry to meet their energy efficiency and product quality.

About the Products

The forging products are deployed in instrument manufacturing, paper, pulp, food, pharma machinery, nuclear, defense sub-assemblies and general engineering, automobile and mining industries. PML has commenced manufacturing aerospace components. 65% products are exported to USA, South America, Europe, Singapore, Japan.

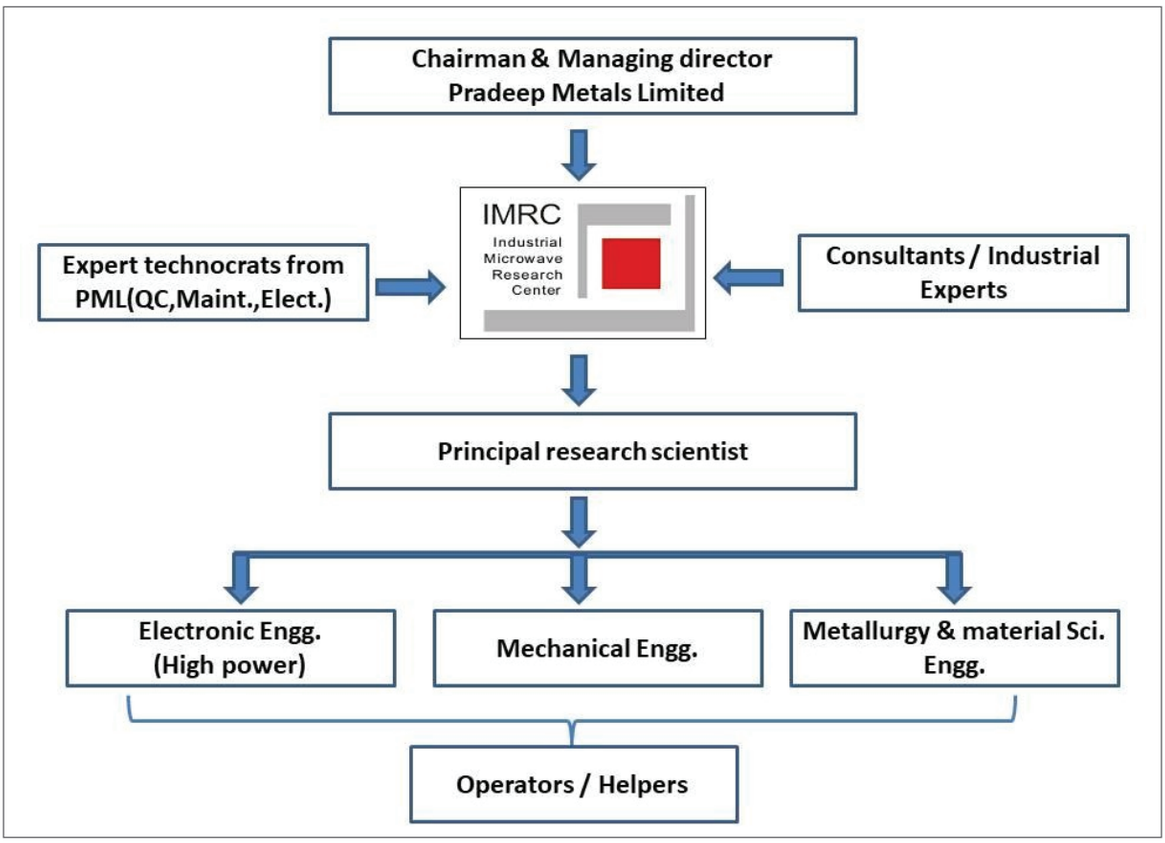
PML has developed over 5000 unique closed die forging components in carbon, alloy, high nickel and stainless steels. The products are machined for suitable end use. PML has received a number of certifications and approvals like ISO9001:2015, ISO 14001:2015, ISO 45001:2018, AD2000-MERKBLATT WO, ISO 27000, AS9100D, NORSOK and Marine, Nuclear Approved supplier in USA & Germany, Indian defense and Indian Railways approved supplier, etc.

IMRC, the R&D wing of PML has developed number of microwave-assisted technologies for which 6 patents are granted in India as well as in other few countries. One of the major processes developed is conversion of iron ore fines to pig iron using only 50% or no-coal and avoiding use of coke, thereby considerably reducing Green-house gas emission. A prototype plant is established in PML, and the technology is ready for scaling up to 1-2 T/day. To help the steel sector in decarbonization, PML has taken this step and is looking for a reliable collaboration partner.

About the Intellectual Property (IP) Policy

Presently there is no written IP policy at PML. Any new design/process developments are first evaluated internally and if found unique, this information is shared with our patent attorney for conducting IP searches. Based on their report, a patent is filed within the country or internationally under PCT, as appropriate.

R&D structure



Team Strength

Our CMD is an accomplished Materials Science expert. Principal Research Scientist has over 30 years' experience in microwave processing of materials. R&D members are experts in microwave engineering and are experienced in the Electronics, Mechanical & Metallurgy- Materials science fields. IMRC collaborates with other R&D laboratories/ universities and industrial experts

Best Practices

PML believes in delivering products/processes of the highest quality to achieve customer satisfaction. An elaborate quality management system is used and pursued through the involvement of all employees, while ensuring continual improvement in product/process quality. IMRC conducts applied research which is relevant to industrial requirements. The existing processes are reoriented towards adaptation of microwave technology for achieving the desired specifications along with saving energy & environment.

PML realizes that sustainability is not just meeting our own environment needs but ensuring we do not compromise the ability of future generations.

Sami-Sabinsa Group Ltd

About the Company

Sami-Sabinsa Group Ltd, formerly known as Sami Labs Limited, is a research-oriented multi-national company in the field of natural products and nutraceuticals. Founded in 1988 by the late Dr. Muhammed Majeed, an internationally acclaimed scientist and entrepreneur in alternative medicine, Sami-Sabinsa is a pioneer in the natural products industry, manufacturing a wide range of phytoextracts, finished formulations, probiotics, nutritional supplements, enzymes, cosmetics and cosmeceuticals, fine ingredients and chemicals, beverages, and minerals. Backed by science and driven by the motto, "Our Innovation is your Answer®," the company continues to innovate new products, nutritional supplements, and formulations in accordance with global standards to cater to the growing needs of the industry. The group has received numerous awards and accolades, both national and international, as a recognition for its tireless contribution, one being the prestigious National Award for R&D efforts in Industry in the category of "Chemical and Allied Industries", by the Department of Scientific & Industrial Research (DSIR), Government of India, New Delhi. Furthermore, Sami-Sabinsa's manufacturing facilities have received a number of research and export awards from the Government of India, additionally with NSF GMP Registration, ISO FSSC 22000 Accreditation and they have been inspected by USA FDA and other government bodies. The Group has a sizeable patent portfolio comprising over 500 granted patents and 203 pending patent applications worldwide.

About the Products

Sabroxy®

Sabroxy® is a patented extract of Oroxylum indicum bark extract, bio-standardized to a unique set of compounds, oroxylin-A, baicalein and chrysin. Sabroxy helps to support healthy cognitive function, improves memory, concentration, focus and recall in healthy people.

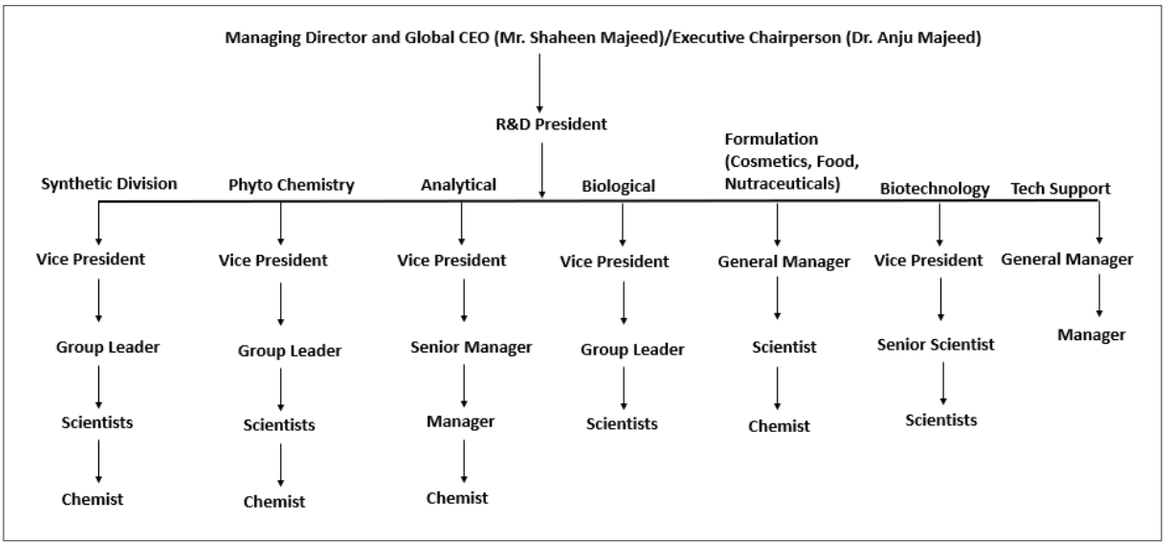
CURCUMIN C3 REDUCT™

As pioneers in bringing curcuminoids to the market, Sami-Sabinsa's continuous research efforts to identify bioavailable curcuminoids yielded multiple versions, including Curcumin C3 Reduct®, approved by European Food Safety Authority (EFSA) as a Novel Food. Curcumin C3 Reduct® contains more bioavailable tetrahydrocurcuminoids (THCs), which are the reductive metabolites of curcumin.

About Intellectual Property (IP) Policy

The Intellectual Property (IP) Policy provides a clear roadmap towards developing, managing, and protecting IP of the Company. In addition to supporting the innovation ecosystem, the IP policy is inclusive, incentivises the inventors, and facilitates industry-academia collaboration.

R&D Structure



Team Strengths

True to its commitment, "Our Innovation is Your Answer®," Sami-Sabinsa creates science-backed nutritional ingredients and formulations that meet global standards. With a strategic manufacturing hub in India and marketing offices worldwide, the company's efficient supply chain ensures seamless delivery. Patented branded ingredients are clinically validated to meet customer's growing needs.

Best Practices

- We strive to achieve zero waste
- We installed and use Zero Liquid Discharge (ZLD) in our production plants to have zero effluents downstream
- Installed scrubber in the process plants to remove toxic gases
- Continue to recover and reuse solvents inside our production plants
- Sewage and canteen wastewater treatment effected in ETP
- Sami-Sabinsa Group manufactures its products as per global standards at its eight state-of-the-art manufacturing facilities located in Bengaluru, Hyderabad, and Utah (USA). Our Bengaluru and Hyderabad facilities are FSSC 22000, FSSAI and USP GMP certified, and our US facility is NSF GMP certified

Serum Institute of India Pvt Ltd

About the Company

Founded in 1966 by visionary entrepreneur Dr. Cyrus S. Poonawalla and presently spearheaded by the ambitious initiatives of CEO Dr. Adar Poonawalla, the Serum Institute of India Pvt Ltd (SIIPL) is the world's largest vaccine manufacturer by number of doses. Based in Pune, SIIPL produces over 4 billion doses annually, supplying critical vaccines such as Polio, Diphtheria, Tetanus, Pertussis, HIB, BCG, r-Hepatitis B, Measles, Mumps, Rubella, 'Pneumosil' (world's most affordable pneumococcal vaccine) and 'Cervavac' (first indigenous quadrivalent Human Papillomavirus (qHPV) vaccine) to 170+ countries, including the US, UK and EU.

SIIPL's innovative capabilities are evident with 117+ patent families and 950+ individual country patents. The institute has demonstrated resilience, meeting 90% of India's vaccine needs during COVID-19 and swine flu pandemics. By delivering affordable and accessible healthcare SIIPL continues to save millions of lives and solidify its position as a global leader in public health and innovation.

About the Products

A) ®MENFIVE

When the WHO emphasized the need for a vaccine targeting the X-serogroup, SIIPL developed MenFive, the world's first WHO prequalified lyophilized thermostable conjugate vaccine designed to combat five predominant serotypes of Meningitis. MenFive is built on a robust platform technology with strong intellectual property protection backed by 22+ global patents.

B) Dengue Monoclonal Antibody (mAb)

Dengue Mab 10 Ml Vial

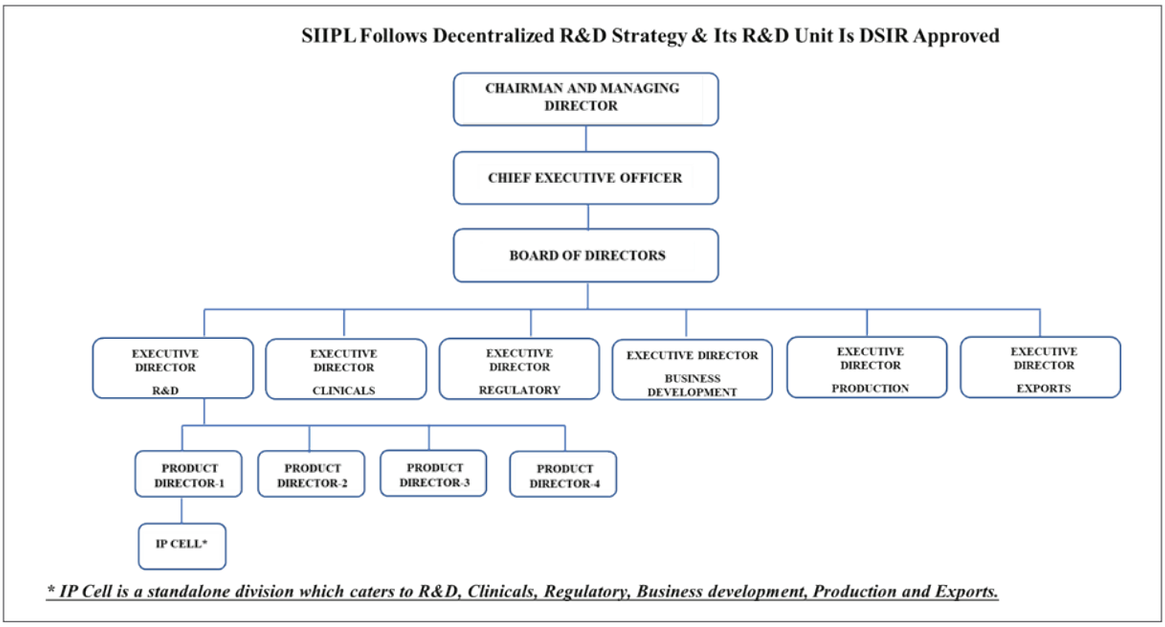
SIIPL, in collaboration with Visterra (an MIT spin-off) is advancing the development of a ground-breaking humanized monoclonal antibody (mAb) for treatment of dengue infections. The engineered mAb is the world's only antibody capable of neutralizing all four dengue virus serotypes, targeting a disease that affects up to 100 million people globally each year. Protected by 2+ global patent families, the mAb features enhanced production efficiency with optimized upstream and downstream processes, achieving yields exceeding 4 g/L.

This Investigational New Drug (IND) molecule has successfully completed Phase 1 & 2 clinical trials and has received approval to commence Phase 3 trials in India. SIIPL holds exclusive commercialization rights globally, except North America and EU plus UK.

About the Intellectual Property (IP) Policy

SIIPL promotes innovation and safeguards intellectual property through a board-approved policy that defines IP ownership, usage and technology transfer. Our primary objective of IP protection is to safe guard our own business interest. It establishes processes for identifying, evaluating and protecting IP while preventing third party infringements. Decisions on filings, country selection and patent pruning undergo rigorous multi-level approvals to ensure strategic IP management. SIIPL manages intellectual property from concept development to product development.

R&D Structure



Team Strength

SIIPL boasts a highly skilled team of over 1700 core R&D professionals and an 8500+ workforce supported by global partnerships with WHO, NIH, PATH, NIBSC, BMGF, Oxford University, MIT and other leading institutions. Its dedicated IP cell includes 17+ experts, patent agents, lawyers, PhDs, Masters with 8-15 years of multi-disciplinary experience in techno- legal domains.

Best Practices

SIIPL strategically selects R&D projects through comprehensive diligence, considering WHO recommendations, epidemiology, unmet needs, gap analysis, regulatory frameworks and revenue potential. With decentralized R&D and a focus on next generation platform technologies, SIIPL has forged over 50 collaborations with leading global organizations. Its IP cell drives over 80% of work in-house, ensuing robust IP risk mitigation. Filing, country selection and patent pruning decisions involve inputs from R&D, marketing and business level teams, with CXO level participation in licensing M&A and IP diligence. SIIPL prioritizes strategic cross-licensing over litigation and conducts regular audits, supported by a dual incentive system.

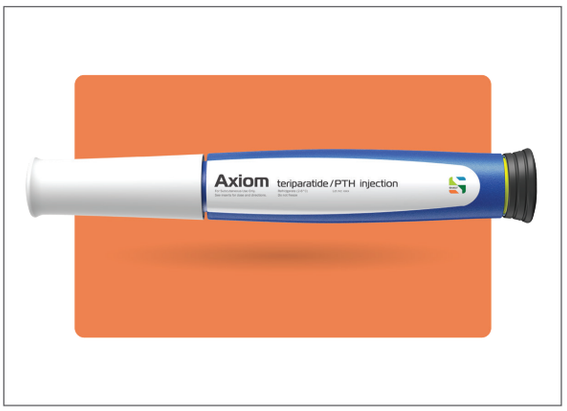
Shaily Engineering Plastics Limited

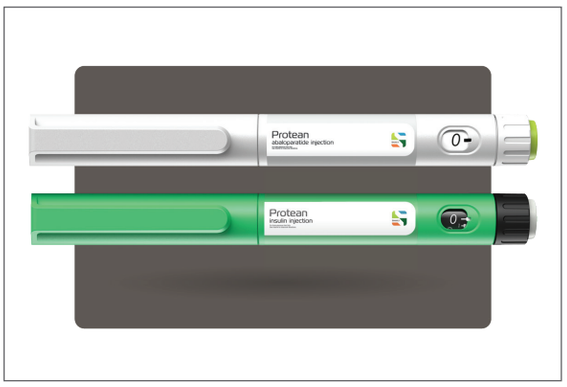
About the Company

Shaily Engineering Plastics Ltd, located at Vadodara, India; and is India's leading precision plastics manufacturing company and specializes in the manufacture of complex components and assemblies using scientific injection molding of high-performance engineering polymers to stringent quality and tight tolerances. Shaily Engineering Plastics Ltd has two verticals – non-healthcare and healthcare, where our two R&D offices, with skilled engineers, are located at United Kingdom. The healthcare segment is Shaily's second-largest business as well as the fastest expanding and growing. Shaily engages in contract manufacturing medical devices for major global pharmaceutical firms, distributing these products worldwide, including to developed markets. Shaily has developed a proprietary portfolio of medical and drug - delivery injectable devices—including pen injectors, auto-injectors, wearable injectors, and other specialty devices, which it supplies to prominent international pharmaceutical and almost all Indian Pharma majors. With a commitment to innovation and precision, Shaily provides advanced drug delivery solutions that enhance patient care and meet the stringent requirements of the global healthcare industry. Shaily's advanced healthcare facility covers over > 1,75,000 square feet and is equipped with modern technologies, including the latest Japanese all-electric molding machines, Class 8 clean room, fully automated assembly lines, and capabilities for secondary operations such as printing, laser marking, and ultrasonic welding. Shaily is certified to ISO 13485 MDSAP and 15378, compliant with FDA 21 CFR 820 and supports its customers with DMF, NDA, ANDA and 510k filings.

About the Products

Shaily has developed a proprietary portfolio of medical and drug - delivery injectable devices—including pen injectors, auto-injectors, wearable injectors, and other specialty devices. Our platforms are designed and developed, keeping in mind patient needs. We have a comprehensive range of patient centric self-medication injection platforms. Our platforms range from spring driven pen (variable and fixed dose, GLP-1) to fixed dose pen injectors (fixed dose, non-priming device) to auto injectors (subcutaneous and intra-muscular) to reusable pen injectors (for liraglutide, abaloparatide) to on body wearable (Customizable injection time).





About Intellectual Property (IP) Policy

Our IP policy comprises of the following key features:

All our R&D employees need to sign the Intellectual Property Agreement along with the confidentiality agreement, wherein it is clearly mentioned that all IP created by employees and contractors during their tenure and/or using company's resources is and shall be owned by the company. Employees and contractors must disclose any IP created during their tenure to the designated authority. All such IP will be assigned to the company. Company will take necessary steps to protect its IP, including filing for patents, trademarks, and copyrights. Employees and contractors must assist in the protection process, including providing necessary documentation and participating in legal proceedings if required. All IP-related information must be kept confidential. Any suspected IP infringement must be reported to the IP department immediately. Any IP created is being reviewed by third party counsels to conduct our own freedom to operate reports, that focuses on no – infringement approach, assisting mainly generics player to have early entry in the market.

R&D Structure

Engineers → R& D Head → Managing Director

Team Strength

we have total 15 R&D employees, 10 in UK office and 5 in India office.

Best Practices

At Shaily, we are dedicated to maintaining the highest standards of excellence in all aspects of our operations. Our commitment to best practices is a cornerstone of our success and reflects our dedication to quality, innovation, and integrity. We implement rigorous quality control measures to ensure that our products and services meet the highest standards. Regular audits and continuous improvement processes are integral to our quality assurance strategy. Innovation is at the heart of our company. We invest significantly in research and development to stay ahead of industry trends and deliver cutting-edge solutions to our clients. Integrity and transparency guide our business practices. We adhere to ethical standards in all our dealings and ensure compliance with legal and regulatory requirements. Collaboration is key to our success. We promote a collaborative work environment where ideas are shared, and teamwork is encouraged to achieve common goals.

Shashvi Remedies Pvt Ltd

About the Company

Shashvi Remedies Private Limited is a DPIIT recognized Life Science Startup. Shashvi means provider of Health, Peace & Prosperity. Shashvi Remedies do Research, Develop, Innovate, Validate, and Drive Powerful Solutions for Critical Diseases at Affordable Price. Shashvi Remedies Aim to Increase Life Expectancy of 1 Crore People yearly. Global Market Presence is their Endeavor. The Startup is boot strapped and will invite private investment in year 2023. Shashvi Remedies Private Limited is an Income Tax Exempt Startup. They are National Startup Award finalist for the year 2022 to be announced in January 2023 and Winner of CII's organized IP & Industry Award for the year 2019, 2020 & 2021. Shashvi Remedies Private Limited produces Unique Products of Excellent Quality. They are planning to Achieve Revenue of Rs. 10,000 Crore by 2030.

About the Product

A Pioneer in making

(a) Chemo X - a Revolutionary Affordable Therapy for Cancer Treatment. Chemo X therapy proven by conducting clinical trials on multiple types of Cancer. One Chemo X Therapy = For Multiple Cancers. Chemo X is Patented in India and Internationally and registered as Trademark. Doctor's Feedback: Breast Cancer fourth stage patient has got CA 125 level to normal level (0-35) with-in 3 months of use of Shashvi Chemo X - Dr. Basiye, Mumba.

(b) Shashvi Night Cream - a Topical Herbal Therapy for Sleep, Stress, Snoring & Pain. Shashvi Night Cream first time Researched, Designed, Produced and Marketed in India by Shashvi Remedies. It is Patented in India and Internationally and registered as Trademark.

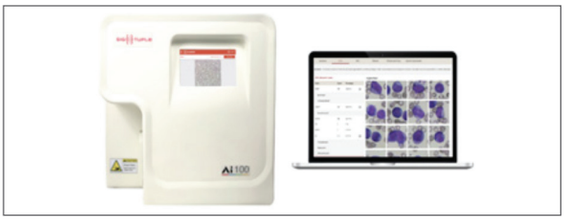
Intellectual Property (IP) Portfolio

Shashvi Remedies Pvt Ltd Research & Develop and Test Products for efficacy, Safety in most reputed Hospital/Institutes such as Tata Memorial Centre for Cancer, The Haffkine Institute, Nair Hospital, etc. They own >30 patents and >30 Trade-Marks. Patents are granted in USA, UK, Germany, France, Japan, Italy, Russia, Canada, South Africa, and in many more countries. They own Trademarks namely Shashvi LIV100, Dybo100 Gold, Shashvi Night, Lukor X, Chemo X, Shashvi Remedy for Pain, Shashvi Acidity X, Shashvi Stressnil Memory +, Safoclean, Malish, AuraDoze, etc. These Brands has been launched and has presence in the market.

Sigtuple Technologies Pvt Ltd

About the Company

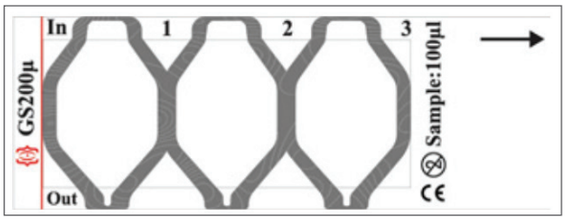
SigTuple started in 2015 builds intelligent screening solutions through automated analysis of medical data, to aid diagnosis and meet customer's key expectations, by delivering innovative, continually improving and quality products on time, through reliable product development. The microscopic examination continues to be the gold standard for diagnosing several critical diseases. Unfortunately, microscopy is an entirely manual process, suffering from common pitfalls of inconsistency and inefficiency. With only 1 qualified pathologist per million people, this problem can only get worse over time. SigTuple democratizes microscopy by automating it through advanced AI and robotics. AI-assisted digital microscopy, enabled through the cloud, takes the drudgery out of the current process.



About the Products

a. AI100 with Shonit and Shrava

AI100 is an in-vitro diagnostic device designed to automate manual microscopy in a diagnostic laboratory. It uses robotics and AI to digitize any biological sample on a glass slide to enable AI aided remote review. Shonit is an AI application to analyze blood cell morphology, identifies and pre-classifies WBCs, RBCs and platelets in a peripheral blood smear. AI100 with Shonit gives an accurate 7 parts WBC differentials, NRBC, platelets and RBC morphology. AI100 with Shonit is currently an FDA (510k) approved product. AI100 with Shrava is an AI application to analyze urine sediment identifies and pre-classifies multiple elements present in urine sediment. These products are protected with 19 granted patents (both Indian and US).



b. Microfluidic cartridge for blood and urine analysis Sigtuple also builds cartridges for point of care diagnostics to aid underserved markets at a low cost. Utilizing the cutting-edge technology named 'Microfluidics", a miniaturized cartridge which uptakes only 15 uL of finger prick blood from patients and performs complete blood count analysis within 10 min. Also, for urine microscopy analysis Sigtuple already launched a miniaturized urine cartridge that uptakes raw urine samples and performs the analysis using gravity sedimentation principle. Both the microfluidic based cartridges are protected with 4 Indian patents.

About Intellectual Property (IP) Policy

Our IP portfolio is headed by a research director. The IP steering committee (IPSC) regularly meets every month and reviews the disclosures submitted by the inventors. Till now, 23 patents have been granted in various

streams Out of which six are international patents (US granted) and seventeen are Indian granted patents. Three US and 5 Indian patent applications are under process.

R&D Structure

SigTuple R&D is located in Bangalore and headed by CTO. There are 04 R&D teams, namely, Microfluidics, Robotics, Optics and Data science. Each team is led by a director with expertise in the relevant field. Under the director there are lead and senior engineers and scientists who further supervise junior engineers and scientists.

Team Strength

SigTuple R&D team has diversified engineers and scientists from various backgrounds. Each team has a senior experienced director who leads the team of around 10 mid level and junior level engineers and scientists. A total of 40 engineers and scientists were involved in R&D. SigTuple Microfluidics team has 4 phD's expertise in the relevant areas from Biotechnology, Chemistry, Mechanical and Chemical backgrounds. Data science has more than 10 engineers with master's in computer science.

Best Practices

R&D- SigTuple best practice is to follow a methodical approach starting from market research to the product delivery. As a first step, the intended use of the product and relevant inputs are finalized after market research and documented by the product team. This will be assigned to the relevant R&D directors for the approval of the R&D metrics. Once approved, the R&D teams especially microfluidics, Robotics, Optics and data science will carry out in depth research and conduct the proof-of-concept. After satisfactory performance of the concept demo, prototypes will be made for further verification studies. IP- SigTuple company has an IP steering committee that meets regularly and evaluates the research work (disclosure) presented by various team members. The committee thus recommends to the higher management for IP filing based on the novelty, patentability and the industrial relevance of the research work.

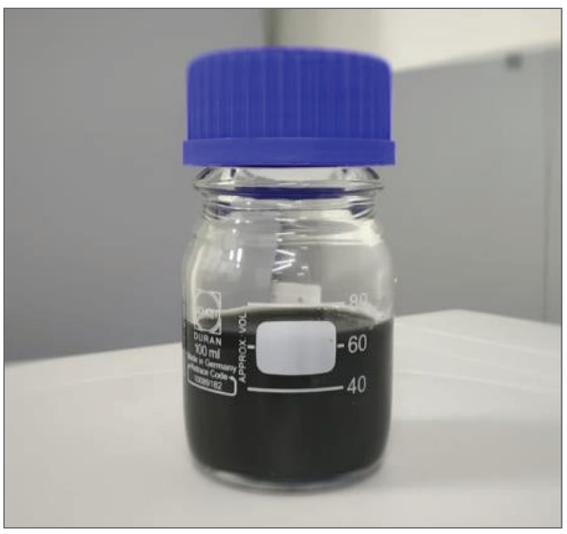
SRM Institute of Science and Technology

About the Company

SRM Institute of Science and Technology (SRMIST) is one of India's premier universities, renowned for its excellence in education, research, and innovation. Offering a wide range of undergraduate, postgraduate, and doctoral programs, SRMIST spans six faculties: Engineering & Technology, Management, Medicine & Health Sciences, Science & Humanities, Law, and Agricultural Sciences. The institution is committed to fostering a dynamic academic environment that supports intellectual growth and technological advancement. With state-of-the-art infrastructure, experienced faculty, and robust industry collaborations, SRMIST prepares students to excel in their fields and address real-world challenges.

About the Products

Graphene Ink: This invention presents a novel technique for liquid-phase exfoliation using surfactants to produce graphene nanosheets. The process employs a natural surfactant dissolved in water. Graphite flakes are combined with de-ionized water containing dissolved sustainable graphite powder. The mixture undergoes probe scissoring and delamination through a top-down solid approach. After exfoliation, the highly concentrated graphene is separated and further processed for applications such as conductive inks and nanofillers.



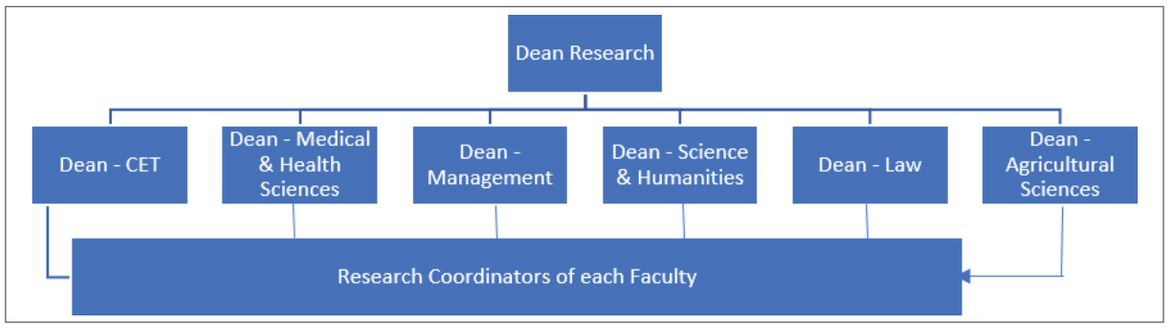
Natural surfactant stabilized aqueous graphene dispersion

Biosurfactant: Biosurfactants offer significant advantages over synthetic alternatives due to their biodegradability, low toxicity, selectivity, and effectiveness across diverse environmental conditions. These biosurfactants can be derived from various food waste sources, providing a sustainable production method.

About the Intellectual Property (IP) Policy

SRMIST's Intellectual Property (IP) policy fosters innovation by safeguarding and managing the intellectual assets of its faculty, students, and researchers. It ensures equitable ownership, licensing, and commercialization of IP while promoting collaboration with industries. Additionally, SRMIST organizes its flagship event, IRIS, serving as a platform for industries to connect with expert researchers and discover solutions to their challenges through cutting- edge research.

R&D Structure



Team Strength

SRMIST's Research Assistant Professors – 69 Research Associate Professors – 28 Research Professors – 07 Total Faculty Members – 4486 Team of Directorate of Entrepreneurship & Innovation – 17

Best Practices

SRMIST exemplifies best practices with initiatives like the Universal Human Values Centre, fostering ethical and empathetic leaders, and the Directorate of Entrepreneurship &

Innovation, which nurtures creativity and startup culture. These platforms empower students with values-based education, innovation skills, and a commitment to societal betterment, bridging academics with real-world impact.

Tata Chemicals Ltd

About the Company

A part of the US$ 165 billion Tata Group, Tata Chemicals Ltd, is a leading supplier of choice to glass, detergent, industrial and chemical sectors. The company has a strong position in the crop protection business through its subsidiary company Rallis India Ltd. Tata Chemicals has world-class R&D facilities in Pune and Bangalore.

About the Product

High Dispersible Silica: Tata Chemicals' Specialty Silica products reflect our leadership in technology and innovation. We have innovated a novel method of synthesis and customisation of structure, morphology, particle size, surface area and particle porosity, which gives our silica greater advantage in industrial applications. Our products come with the assurance of consistent quality along with quick and assured supply.

FOSSENCE®

The prebiotics and dietary fiber:

Fructo Oligosaccharide: FOSSENCE® is a 100% soluble, potent prebiotic and dietary fiber made from fermented cane sugar, clinically studied, for its impact on the gut microbiome. Healthy microbiome is known to improve immunity, nutrient absorption, lipid transport and overall digestive and bowel health.

Harnessing Green Chemistry for High Performance Silanes: Tata Chemical's Innovation Centre has used green chemistry principles to develop a cutting- edge, solvent-free manufacturing process for tyre grade organo silanes. Tyre grade silanes are important for the tyre and rubber industry as coupling agent ingredients which bind inorganic fillers to rubber matrix.

Benefits: It eliminates the need for organic solvents in the process of extraction and purification & helps in recycling and reusing the aqueous and solid effluents to make other value-added products

Impact: Resulted in improved product yield and helped achieve benchmark specifications & product has attracted attention from leading tyre and rubber customers.

About Intellectual Property (IP) Policy

Tata Chemicals has a dedicated IP team who created the strong process and systems for IP

generation and protection. We have been recognized for the valuable IP portfolio in the areas of Nutrition Science and Performance Materials to fuel business and economic growth and a testament to the strong IP systems put in place by the IP team. Our world-class R&D Pune and Bengaluru have played a major role in this journey.

Tata Consultancy Services

About the Company

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 56 years. Its consulting-led, cognitive powered, portfolio of business, technology and engineering services and solutions is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

It has a global presence, deep domain expertise in multiple industry verticals and a complete portfolio of offerings – grouped under consulting and service integration, digital transformation services, cloud services, cognitive business operations, and products and platforms - targeting every C-suite stakeholder.

TCS' award-winning IP 4.0 program encourages every employee to imbibe the culture of "Be an Inventor, Create IP", leading to creation of 8354 (including 4369 grants) as of September 30, 2024.

About the Product

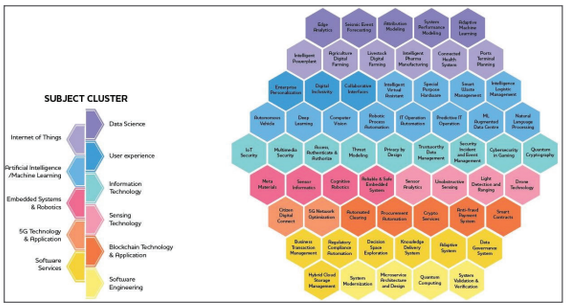
TCS' intellectual property portfolio includes a comprehensive set of products and platforms that address enterprises' business and technology needs across industries. These include the TCS BaNCS™ suite for financial institutions, Algo Retail™ suite consisting of TCS Optumera™ and TCS Omnistore™, TCS ADD platform for the life sciences industry, TCS HOBS™ platform for digital telcos and beyond, TwinX™ enterprise digital twin platform, ignio™ cognitive automation suite, Jile™ enterprise Agile planning and delivery tool, and TCS MasterCraft™ suite of intelligent automation products.

With sustainability-related innovation gaining steam, TCS has leveraged its deep expertise in IoT, advanced analytics, and machine learning to come up with a suite of offerings in this space, including intellectual property such as TCS Intelligent Urban Exchange™ (IUX), TCS Clever Energy™, IP2™ and TCS Envirozone™.

About the Intellectual Property (IP) Policy

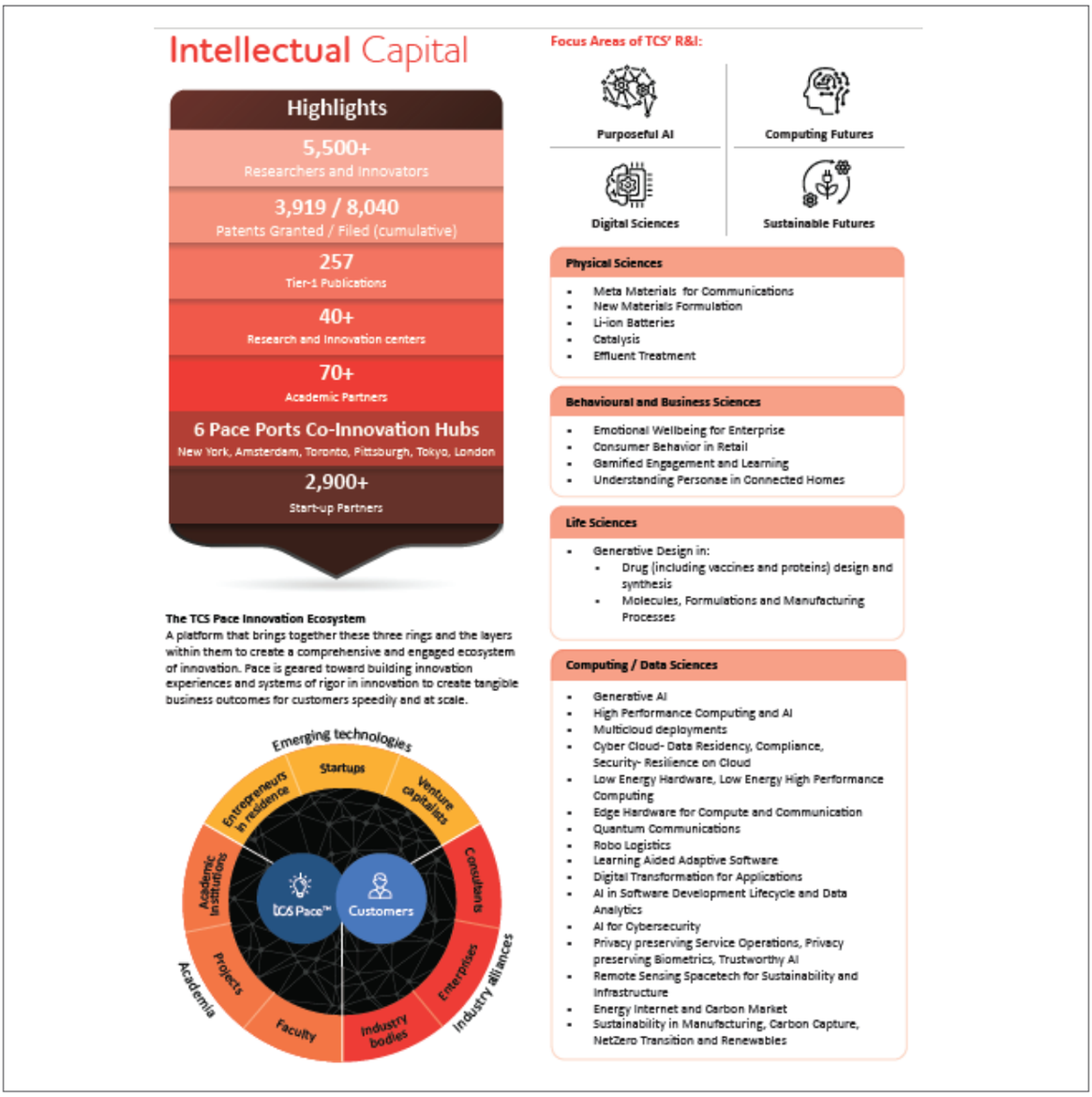
TCS has a formal, published Intellectual Property Policy, which is applicable to all TCS

employees. In addition, there are well-defined internal guidelines and procedures for ensuring compliance to the policy and statutory laws applicable in various jurisdictions where TCS operates.



Source: TCS Annual Report 2020-21; page 116

R&D structure



Team Strength

TCS has over 612,700 of the world's best-trained consultants in 55 countries. TCS has dedicated IP team that drives IP initiatives within TCS. The team has a rich combination of experience in inter disciplinary technological domains blended with IP knowledge to address all business verticals of TCS and Innovation labs involved in R&D.

Best practices

The company channelizes its research and innovation efforts and outcomes towards building better futures through two external facing brands:

- TCS AI WisdomNext™ is an industry-first AI platform that aggregates multiple GenAI services into a single interface
- TCS PaceTM brings the best of TCS' intellectual content, innovation assets, capabilities, and practices to clients.

Tata Motors Ltd

About the Company

Part of the USD 165 billion Tata group, Tata Motors Ltd, a USD 44 billion organization, is a leading global automobile manufacturer of cars, utility vehicles, pick-ups, trucks, and buses, offering an extensive range of integrated, smart, and e-mobility solutions. With

'Connecting Aspirations' at the core of its brand promise, Tata Motors is India's market leader in commercial vehicles and ranks among the top three in the passenger vehicles market.

Tata Motors strives to bring new products that captivate the imagination of GenNext

customers, fuelled by state-of-the-art design and R&D centres located in India, the UK, the US, Italy, and South Korea. By focusing on engineering and tech- enabled automotive

solutions catering to the future of mobility, the company's innovation efforts are focused on developing pioneering technologies that are both sustainable and suited to the evolving

market and customer aspirations. The company is pioneering India's Electric Vehicle (EV) transition and driving the shift towards sustainable mobility solutions by developing a tailored product strategy, leveraging the synergy between Group companies and playing an active role in liaising with the Government of India in developing the policy framework.

With operations in India, UK, South Korea, Thailand and Indonesia, Tata Motors markets its vehicles in Africa, the Middle East, Latin America, Southeast Asia, and the SAARC

countries. As of March 31, 2024, Tata Motors' operations include 90 consolidated

subsidiaries, two joint operations, five joint ventures, and numerous equity-accounted associates, including their subsidiaries, over which the company exercises significant influence.

About the Products

CV products: Tata Motors, India's largest commercial vehicle manufacturer, offers an extensive range of sub 1-tonne to 55-tonne cargo vehicles and 10-seater to 51-seater mass mobility solutions,

ranging in small commercial vehicles and pickups, vans, trucks and bus segments to address the evolving needs of logistics and mass mobility segments. The company offers a wide

portfolio in the small commercial vehicle segment, featuring three leading brands – Ace,

Intra, and Yodha – available at multiple payload nodes and fuel types. In the trucks segment, the company provides rigid trucks, tippers, and prime movers designed for varied

applications. Additionally, the company provides mass mobility solutions, encompassing the Magic, Winger, CityRide, Starbus and Ultra range. A pioneer in advancing hydrogen fuel cell (FCEV) transport, Tata Motors' first set of FCEV buses are operational on Indian roads.

PV products:

Tata Motors Passenger Vehicles offers a comprehensive range of next-gen cars and sports utility vehicles that are admired for their cutting-edge design, best-in-class safety, robust performance, rich connectivity and superior driving dynamics. Available in multiple powertrain options – petrol, diesel & CNG, Tata Motors' range of cars and SUVs enable customers to choose the vehicle that best meets their needs and lifestyle.

EV products:

Tata Passenger Electric Mobility Ltd. is a subsidiary of Tata Motors. It has played a leading role in pioneering India's electric mobility revolution and is committed to democratizing EVs amongst car buyers. With a plan to launch 10 electric vehicles models by 2026, TPEML is

dedicated to develop the EV ecosystem in India. Its holistic approach to electric mobility has enabled it to sell close to 2 Lakh EVs, achieving a majority share in India's EV car market. Tata EVs have received a strong vote of confidence from customers for their performance, connected features, and low operating costs.

Tata Steel Ltd

About the Company

Tata Steel Ltd, founded in 1907, is a pioneer in India's steel industry and operates as a subsidiary of the Tata Group. The multinational company is headquartered in Mumbai, Maharashtra, with its largest plant situated in Jamshedpur, Jharkhand. As one of the world's largest steel producers, Tata Steel generates an annual production capacity of 35 million tonnes, operating across India, the Netherlands, the UK, and Thailand. Over the years, Tata Steel has diversified its business through strategic expansions and acquisitions, such as the UK-based Corus Group in 2007. The company is also focused on environmental sustainability, aiming to achieve Net Zero emissions by 2045 while investing in low-CO2 steelmaking technologies.

Our Products.

Tata Steel Ltd offers a diverse range of steel products catering to various industries and applications. Its product portfolio includes both finished and semi-finished steel products that meet the needs of varied sectors such as automotive, construction, engineering, and consumer goods.

The flat products (such as, Galvanova®) segment includes hot-rolled, cold-rolled, and coated steel products. These are widely used in automotive manufacturing, appliances, and construction. The company's advanced high-strength steels are particularly prominent in the automotive sector, contributing to vehicle safety and fuel efficiency.

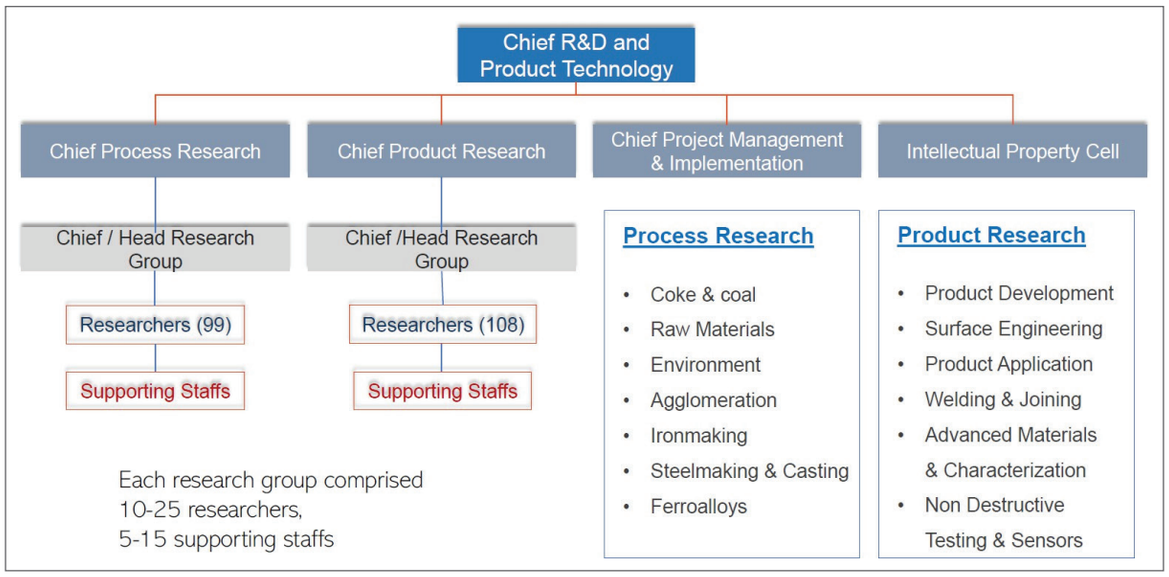
The long products (such as, Structura Z+®) segment includes wire rods, rebars, and structural sections that are essential for infrastructure development, building construction, and engineering applications. Tata Steel's rebars, known for their strength and flexibility, are a staple in reinforcing concrete structures.

Tata Steel is also a major producer of specialty steels, which are used in high-performance applications. These include bearings, spring steels, and other high-grade steel products tailored for specific industrial requirements. In addition to these, Tata Steel offers downstream products such as tubes and bearings, capitalizing on its integrated operations to add value. By leveraging innovation and technology, Tata Steel maintains a strong emphasis on sustainable and efficient production processes, ensuring high-quality standards.

About the Intellectual Property (IP) Policy

Tata Steel's IP policy emphasizes protection and management of intellectual property to enhance innovation and competitiveness. It includes safeguarding patents, trademarks, and trade secrets, ensuring compliance with legal standards, and fostering IP awareness among employees. The policy supports collaboration through strategic licensing while maintaining respect for third-party IP rights.

R&D Structure



Team Strength

Our team includes multi-faceted expertise in IP law, technical proficiency, and strategic acumen, which compliments each other in the team. Our team includes patent and trademark attorneys, licensing specialists, portfolio managers, and paralegals, all collaborating to align IP strategies with business goals and drive innovation.

Best Practices

We ensure proper training and skill development for team members in patent laws and regulations. We also develop a clear workflow and documentation process for idea submissions and evaluations. Further, we foster collaboration between inventors and the IP Counsels to enhance idea viability. We have also implemented a comprehensive database for easy tracking and management of patent portfolios. Further, we regularly review and update strategies according to legal changes and industry trends. Additionally, we also engage with external patent experts when specialized knowledge is needed and promote a culture of innovation to encourage continuous idea generation.

The Automotive Research Association of India

About the Company

The Automotive Research Association of India (ARAI), established in 1966, is a leading Automotive R&D organization of the country set up by the Automotive Industry with Government of India. ARAI is an autonomous body under the administrative control of Ministry of Heavy Industries, Govt. of India. Department of Scientific and Industrial Research, Ministry of Science and Technology, Govt. Of India, has recognized ARAI as a Scientific and Industrial Research Organisation (SIRO). Further, ARAI is one of the prime leading Testing and Certification Agencies notified by Govt. of India under Rule 126 of Central Motor Vehicles Rules, 1989.¬

- ARAI has been playing crucial roles assuring safe, less polluting, more efficient and reliable vehicles.
- ARAI has network of laboratories in and around Pune, India. ARAI has regional offices in Chennai, Bangalore and Hyderabad. It has many strategic alliances with domestic and global organisations. ARAI is working on futuristic areas, like Hydrogen and Software Driven Vehicles.

About the Products

- Domains: Emissions, Active Safety, Passive Safety, NVH, Materials, Manufacturing Processes (forging, plastic moulding, etc), Structural Dynamics, Engine & Powertrain Development, Vehicle Dynamics, Vehicle Engineering, Automotive Electronics, Environmental Research
- Products: Automotive Technologies, like Battery Management System, AC and DC Charging Station, Light Electric Vehicles (LEV) AC Charge Point, Hybrid 2-W, Acoustic Vehicle Alerting System (AVAS), etc., India Specific Database, like Indian Anthropometry, Indian Road Profile, Material Properties, Controllers for Chassis Dynamometer & Clutch Test Rig, etc.

About Intellectual Property (IP) Policy

- Have a Patent Committee which looks into patent proposals. It also covers Trademarks and Copyrights.
- Employee Award Scheme to encourage new innovative ideas (from filing to grant and commercialization).
- These awards are distributed during the annual gathering.

R&D Structure (Flowchart can be included).

ARAI 's vision is to become a world class Mobility Engineering, Research and Innovation institution.
Working towards its vision, ARAI undertakes research projects, which are guided by Project Evaluation & Monitoring Committee (comprising of experts from industry) and Project Review Committee (comprising of domain experts from ARAI)
Following is the mechanism for evaluation, approval and monitoring of R&D projects at ARAI.
- Annual Call for R&D Proposals
- Evaluation and fund allocation as per R&D Policy
- Periodic monitoring of the projects

Director

Project Evaluation & Monitoring Committee
(comprises of experts from industry)

Domain Laboratories	Centres of Excellence	Futuristic Technologies	Internal Incubation	ARAI-AMTIF
-Structures & Vehicle Dynamics -Environmental Research -Active & Passive Safety -NVH -Design & Simulation -Emissions -Manufacturing Processes	-Green Mobility - Automotive Electronics -Powertrain: Engine & Powertrain -Fatigue & Materials -Intelligent Vehicle Technology	-TechNovuus	-Technology Group -Focussed incumbation within domain labs	-Sec-8 company of ARAI -Incubation and acceleration support to Start-ups & MSMEs

Team Strength

- Resilient and well-trained human resource of 675 is the main strength of ARAI, equipped with expertise in varied automotive domains and complemented with extensive experience.
- Passionate with strong sense of belonging and understanding are the key strengths.

Best Practices

- Focus on continual improvements in the areas of sustainability and internal processes
- 'Customer Feedback' mechanism – both external as well as internal, for continuous improvement of service quality, efficiency and delivery
- Consortia for pre-competitive research, studies and national interest projects in various mobility domain
- Recognizing the human resource for their contribution and achievements for innovative ideas and work
- Collaborative approaches for formulation and harmonisation of automotive standards
- Participating and assisting standard formulation bodies
- Assisting and supporting Government for implementation of new policies / initiatives like FAME Scheme, PLI, etc.

Battery Management System (BMS) Technology

Light Electric Vehicles (LEV) AC Charge Point

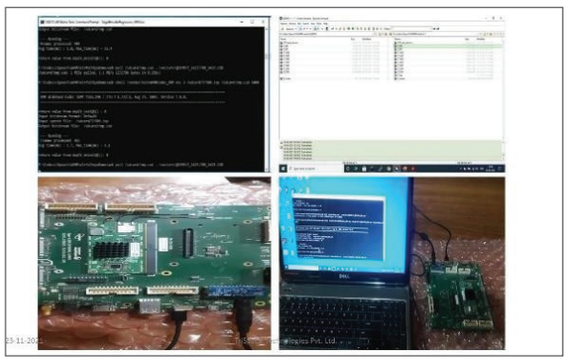
Trispace Technologies Pvt Ltd

About the Company

TriSpace Technologies is focused in providing patented power optimization solution for platform SoC targeting Mobile, Wearables, Drones to extend battery life of device usage. Qualified in the third-party program of NXP semiconductors and endorsed by QCOM for its proven solution. Target clientele segments include platform SoC Makers/ designers (QCOM, MTK, Huawei, Samsung), OEMs (Nothing Phone, Google, HTC), CPU Vendors (ARM, Intel, AMD, RISC-5). TriSpace has NDA agreements with several companies. Recursively we target to capture World market.

TriSpace Technologies is now scaling heights in semiconductor DLI scheme providing low BoM cost platform SoC for Mobile, Drone, IoT devices.

About the Product



Solution is via firmware product across power hungry use cases DSP Multimedia Audio Image Video Speech AI/ML and computer Vision

About the Intellectual Property (IP) Policy

All Product development to be apriori explored for Patentability and avoiding patent infringements.

R&D structure

Flat structure and lean organization. Every project team has explored and filed patents.

Team Strength

Mostly research interns. Few of them onboarded as CXO part of core team in the company.

Triveni Turbine Ltd

About the Company

Triveni Turbine Ltd specializes in industrial heat & power solutions, manufacturing decentralized steam-based renewable turbines up to 100 MW. It's a leading name in industrial steam turbines in India and globally, providing reliable and efficient end-to-end solutions. With world-class manufacturing facilities based in Bengaluru and global servicing offices, Triveni Turbines has over 6000 steam turbines installed across 20+ industries in 80+ countries. The company offers steam turbine solutions for various industries and renewable power sectors, including Biomass, Independent Power Producers, Waste-to-Energy, Waste Heat Recovery, and District Heating. Its turbines serve diverse segments like Sugar, Steel, Cement, Textiles, Chemicals, Oil & Gas, Pulp & Paper, and more. Beyond manufacturing, it provides comprehensive aftermarket services for turbines and other rotating equipment. The company's market leadership is built on strong research, development, and engineering capabilities, with a focus on customer-centric R&D and product life-cycle cost efficiency. Its collaboration with global design and research institutions has set benchmarks in turbine efficiency, robustness, and uptime. For more information, visit [www.triveniturbines.com].

About the Products

We design, manufacture and supply industrial steam turbines up to 100 MW with the flexibility to meet customer requirements for today and tomorrow. Our commitment to set benchmarks for reliability and robustness of turbines has resulted in bringing world class turbine solutions to our customers globally. Triveni Turbines offers robust and reliable back-pressure and condensing steam turbines up to 100 MW that work across a wide range of pressure and flow applications with a choice of impulse and reaction technology.

About the Intellectual Property (IP) Policy

Operating in a technology intensive industry, we value Intellectual Property Rights and ensure that our IP team gets involved from the planning and conceptualization stage to the final design and development of products. We have a comprehensive IP strategy for creation and protection of long-term IP assets. The IP policy covers patents, industrial designs, copyrights and trademarks protection. The IP team undertakes complete technology scanning of all R&D projects as well as other protectable IPs.

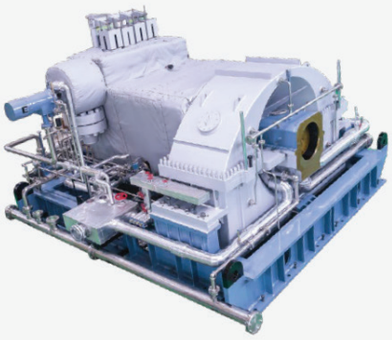
Innovation & Technology

Our endeavour towards continuous product development by deploying cutting edge technology has delivered innovative solutions to customers. Our time tested product development process constantly upgrades steam turbine designs for higher

inlet temperature and pressure, to maximise efficiency and reliability features in the turbine. We are constantly working towards developing technologically superior designs using the latest design tools and software, like Turbo-machinery CFO tools, FEA tools, CAD modelling, lateral and torsional rotor dynamics software, that deliver higher performance and add value to customers.

Our product development program is designed to meet all customer requirements for economic installation and operation. Various reliability and operations improvement features such as quick start cycles and high automation levels are incorporated in the steam turbines.

Triveni Turbines leverages on continuous technology development, which is the result of its innovative ecosystem. Triveni Turbines draws from the extensive knowledge base of domain experts in steam turbine technology as well as its related fields, which enhances the skill base of the entire R&D team.



Condensing & Back-Pressure Steam Turbines (Up to 100 MW)

API Turbines – Oil & Gas - 611 & 612 standards (10 kW to 100 MW)

TVS Motors

About the Company

TVS Motor Company is a reputed two and three-wheeler manufacturer globally, championing progress through Sustainable Mobility with four state-of-the-art manufacturing facilities in Hosur, Mysuru and Nalagarh in India and Karawang in Indonesia. Rooted in our 100-year legacy of Trust, Value, and Service, we take pride in making internationally aspirational products of the highest quality through innovative and sustainable processes. We are the only two-wheeler company to have received the prestigious Deming Prize. Our products lead in their respective categories in the J.D. Power IQS and APEAL surveys. We have been ranked No. 1 Company in the J.D. Power Customer Service Satisfaction Survey for consecutive four years. Our group company Norton Motorcycles, based in the United Kingdom, is one of the most emotive motorcycle brands in the world. Our subsidiaries in the personal e-mobility space, Swiss E-Mobility Group (SEMG) and EGO Movement have a leading position in the e-bike market in Switzerland. TVS Motor Company endeavours to deliver the most superior customer experience across 80 countries in which we operate.

About the Products

TVS Motor manufactures the largest range of two-wheelers, starting from mopeds, to scooters, commuter motorcycles, to racing inspired bikes like the TVS Apache series and the TVS Apache RR310. Whatever your requirement be, we have one for everyone.

About the Intellectual Property (IP) Policy

TVS Motor Company's IP Policy focuses on protecting patents, designs, trademarks, and copyrights related to its innovations. With significant investment in R&D, the company ensures compliance with legal standards, encourages compliance with legal standards, encourages strategic collaborations, and actively monitors the market to enforce its intellectual property rights, maintaining its competitive edge.

R&D Structure

TVS Motor Company boasts an extensive R&D team of 900+ members, including Engineers, PhDs, Researchers, Design Specialists, Technologists and Market Analysts. TVS Motor Company's R&D structure is designed to foster innovation and enhance product development which includes Dedicated R&D Centers, Innovation Labs, Cross-Functional Teams, Sustainability focus to align with global trends. TVS Motor Company's R&D structure incorporates consumer feedback and market research to align products with customer needs.

Best Practices

TVS Motor Company employs several best practices in its operations including extensive Research and Development, resulting in products that are industry leading in terms of innovation. TVS-M strives for delivering total customer satisfaction by anticipating customer need and presenting quality vehicles at the right time and at the right price. TVS-M focuses on speed and agility to seize opportunity in a volatile, uncertain, complicated, ambiguous world. Its quality policy outlines delivering on-time, quality products meeting customer expectations, understanding customer expectations and improving satisfaction, engage employees to improve quality, training employees to add value for customers, and engaging partners to improve products. TVS-M follows commitment towards a sustainable future for societies and the environment.

Uno Minda Ltd

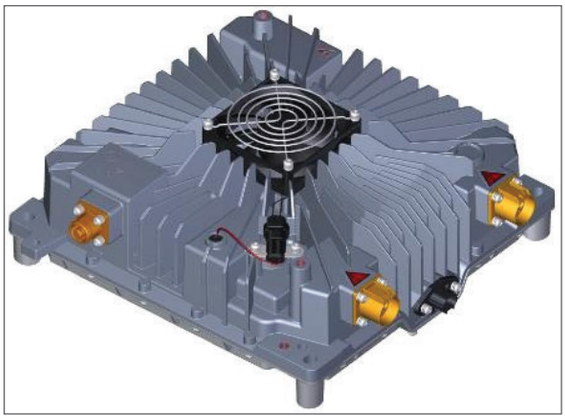
About the Company

Uno Minda Ltd (UML) is a leading global manufacturer of proprietary automotive solutions and systems supplying to OEMs as Tier-1. UML is a prominent manufacturer of switching and sensor systems, lighting systems, acoustics systems, seating systems, EV Components, ADAS, alloy wheels etc. Since its inception in 1958, UML has built formidable automobile domain specific product portfolio which led UML to become automotive component manufacturing giant. UML is supplying automotive components and systems to leading Indian and international OEMs based in India, Asia, South and North America and Europe. UML has over 74+ manufacturing plants globally with overseas manufacturing facilities in Indonesia, Vietnam, Spain, and Mexico and 37+ R&D and Engineering Centres in India, Germany and Spain working on advanced technologies.

About the Products

Uno Minda Limited uses state-of-the-art technologies to manufacture a wide range of automotive products for various segments like 2 wheelers, 3 wheelers, 4 wheelers, commercial vehicles and Off-road vehicles catering to both internal combustion engines (ICE) and electric/hybrid vehicles.

In particularly, the Lighting Domain includes front and rear lighting systems such as head lamp, bi-functional projector lamps, fog lamp, daylight running lamps, tail lamp, blinker lamp,



fender lamp, number plate lamp, cornering lamp etc.

and Acoustic Domain includes electro-mech horn, electro-mech trumpet horn, electronic disc horns, speakers, AVAS etc.

The Electronic and Control System domain includes Switching systems, infotainment systems, USB chargers, air brakes, off-board and on-board chargers, battery management systems, DC-DC Converters etc.

The ADAS Controller and Sensor System domain includes Sensor systems, actuators, controllers, automotive wireless chargers, climate control modules, body control modules, telematics control units, front, surround and rear-view camera systems, parking assistance systems etc.

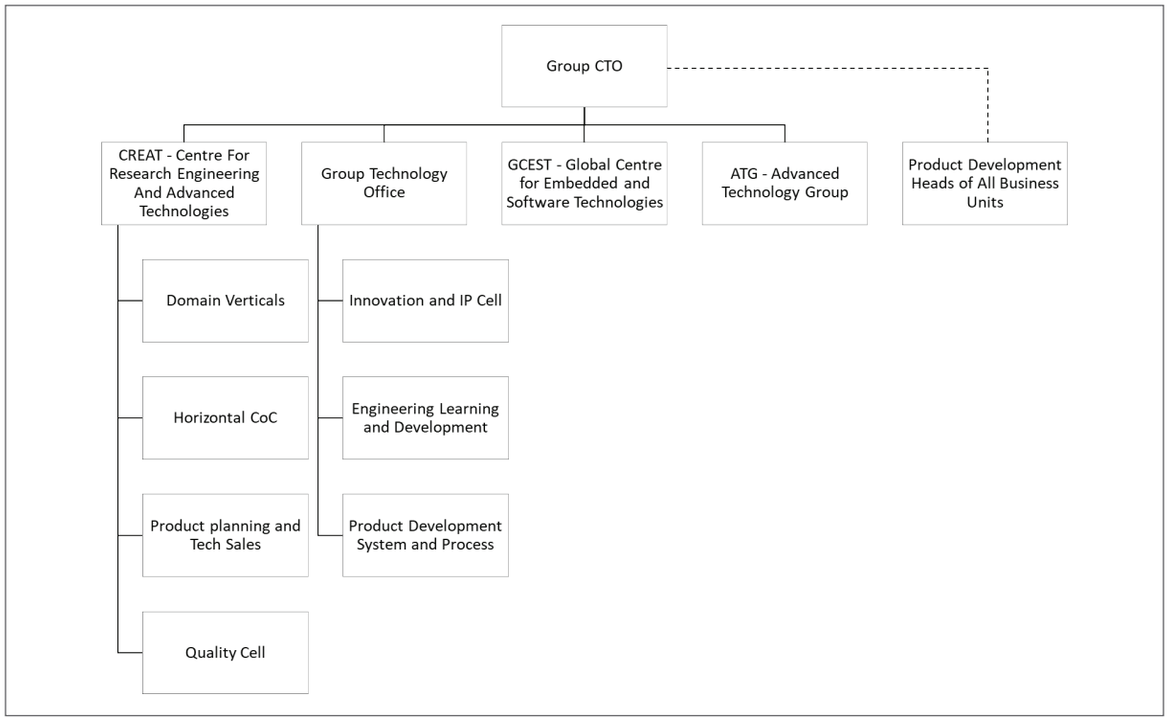
The Safety and Comfort System domain includes seating systems for major vehicle segments, hoses, steering wheels, seat belts, airbags etc.

The Light Metal and Powertrain System domain includes alloy wheels, air filters, general castings etc.

About the Intellectual Property (IP) Policy

Uno Minda's IP Manual (Elaborative version of IP Policy) is a comprehensive guide that ensures efficient utilization and safeguarding of IP rights and outlines organization's approach to intellectual property management, encompassing key areas such as the structure and responsibilities of the IP Committee and IP Cell, guidelines for stakeholders, risk avoidance measures, and enforcement system.

R&D Structure



Team Strength

The centralized IP Cell of UML is responsible for identifying, protecting, prosecuting and enforcing all IPs. The IP cell consists of experienced IP professionals including patent agents, patent drafting & prosecution professionals, patent & design analysts, and legal associates. By aligning with legal frameworks, industry standards, and the company's strategic goals, the IP cell ensures the effective protection and utilization of the company's intellectual property.

Best Practices

- Regular IPR awareness sessions and Invention harvesting workshops for relevant stakeholders.
- Monetary reward policy for inventors.
- Due diligence and Infringement Risk mitigation procedures are followed strictly.
- Technology/Product development is assisted by Landscape/State of art studies.
- Patentability/Novelty searches are mandatory for patent and design filing.
- Monitoring potential IPR infringement in collaboration with Marketing and Business Engineering Team.
- IP Manual provides a framework for handling all IPR-related activities.
- IP strategies are in-line with the corporate business strategies at group level.
- With the help state of the art facilities, the confidentiality of the IPR portfolio is maintained at high level.

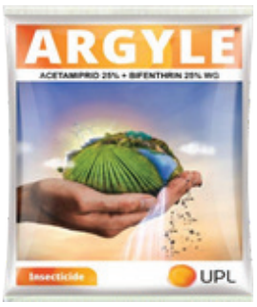
UPL Ltd

About the Company

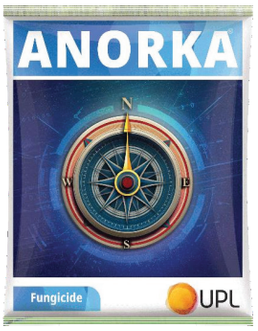
UPL Group (UPL) is a global provider of sustainable agriculture products and solutions that cover the entire agrifood value chain – spanning seeds, conventional crop protection products and natural solutions, on-farm equipment and services, and post-harvest solutions. UPL works hand-in-hand with farmers, suppliers, and distributors around the world to bring consumers fresh, nutritious, and sustainably grown food. UPL was established in India in 1969 and has continued to evolve with the industry. A purpose-led company, UPL is committed to transforming global food chains, making farming practices and food products more sustainable. Throughout our 50+ year legacy, we have grown in both scale and impact, completing more than 40 acquisitions, and accumulating more skills, more innovation, and more technologies within our growing portfolio. Despite our fast-paced growth, we maintained our legacy values of customer-centricity and sustainability.

About the Product

Tridium- India's first 3 way fungicide with broad spectrum disease control, resistance management and an enhanced crop vigour.



Argyle is a broad spectrum insecticide with long duration of control with quick knock down against a wide range of pest complex and has phytotonic effect on plants.



Anorka is a Novel combination of World's first SDHI chemistry i.e. Boscalid and azoxystrobin which is a leading fungicide. It provides better Residue and Resistance management along with effective control of powdery mildew.

About the Intellectual Property (IP) Policy

UPL Ltd. has global IP policy which is applicable to all employees and consultants of UPL ltd. and its subsidiaries. This policy makes sure that inventions of employees and consultants that are within the scope of their employment/engagement are owned by UPL or its subsidiary. This policy also helps employee appreciate the importance of confidentiality of intellectual property and abide by this policy.

Team Strength

Intellectual Property (IP) team at UPL plays a pivotal role in safeguarding the company's innovative solutions and ensuring competitive edge in the global market. The team specializes in managing patents, trademarks, and proprietary technologies across UPL's diverse portfolio, spanning crop protection, sustainable agriculture and specialty chemicals.

Best Practices

UPL group has IP policy in place to protect innovations across the company. Multiple IP workshops are conducted for R&D scientists, field trial and marketing team along with periodic employee's awareness program.

NOTES

Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, with around 9,000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 365,000 enterprises from 294 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian Industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness, and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Through its dedicated Centres of Excellence and Industry competitiveness initiatives, promotion of innovation and technology adoption, and partnerships for sustainability, CII plays a transformative part in shaping the future of the nation. Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

For 2024-25, CII has identified "Globally Competitive India: Partnerships for Sustainable and Inclusive Growth" as its Theme, prioritizing 5 key pillars. During the year, it would align its initiatives and activities to facilitate strategic actions for driving India's global competitiveness and growth through a robust and resilient Indian industry.

With 70 offices, including 12 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with about 300 counterpart organizations in almost 100 countries, CII serves as a reference point for Indian industry and the international business community.

Confederation of Indian Industry
The Mantosh Sondhi Centre
23, Institutional Area, Lodi Road, New Delhi – 110 003 (India)
T: 91 11 45771000

E: info@cii.in • W: www.cii.in

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