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**INTERNATIONAL ENGINEERING
SOURCING SHOW**

14, 15, 16 March, 2019
Chennai Trade Centre, Chennai, India



SUBCONTRACTING

- Subcontracting exposition - showcasing of Indian industries comprising 350 local and international subcontractors
- Business Matchmaking Programme - business matchmaking and industrial linkage activity allowing Indian SME subcontractors to identify business partners, enter into business collaboration, explore new marketing channels, and engage in one-on-one meetings pre-arranged by the buyers and the sellers
- Buyers' Village - venue for top buyers and international procurement offices in India and other countries to exhibit the parts, they need to procure or for which they require subcontractors
- Seminars - educational and visionary seminars for industrial entrepreneurs covering interesting topics including investments opportunity analysis, business strategies, management and technology and product development

- Automotive/Transport Components/Accessories
- Iron, Steel and its Products
- Cable Glands, Cable Accessories
- Forging & Casting Products
- Components & Parts for Industrial Application
- Conductors
- Electrical Insulation Materials, Electrical Cables
- Electrical Power Tools
- Electrical Wires, Lugs, Cable Rings
- Engine Dynamo Meters & Accessories
- Engineering Plastics & Moulded Parts
- Galvanized Wires, Stainless Steel Wire Mesh
- Hydraulic & Pneumatics Systems
- Hydraulic Press & Hydraulic Cylinder
- Industrial Springs, Spring Coils & Fasteners
- Latches, Locking Systems and Operating Elements

- Machined Components
- Measuring Instruments, Transducers, Meters, Data Recorder, Calibrators
- Mechanical and Electrical Testing Components
- Precision Turned Component
- Pumps and Industrial Valves
- Quality Control and Analytical Equipment
- Resin Transfer Moulding (RTM), Injection Moulding, Compression Moulding, Pultrusion
- Sheet Metal Components, Fittings & Flanges
- Steel Mills Equipment and Supplies
- Systems/Sub-Assemblies





FUTURE FACTORY

Welcome to the Future Factory 2019, showcasing latest manufacturing solutions required for large scale modern manufacturing.

Manufacturing has emerged as one of the high growth sectors in India. Under the Make in India initiative, the Government of India aims to increase the share of the manufacturing sector gross domestic product (GDP) to 25 per cent by 2022, and create 100 million new jobs by 2022.

Future Factory 2019: Need for Modernisation

The manufacturing sector of India has the potential to reach US\$ 1 trillion by 2025 and India is expected to rank amongst the top three growth economies and manufacturing destination of the world by the year 2020.

India's Capital Goods manufacturing industry serves as a strong base for its engagement across sectors such as Engineering, Construction, Infrastructure and Consumer Goods.

India has a requirement of investment worth US\$ 750 billion in infrastructure by 2022 to have sustainable development in the country. Infrastructure sector includes power, bridges, dams, roads and urban infrastructure development and is a key driver for the Indian economy.

Several initiatives by the Government of India and the major automobile players in the Indian market are expected to make India a leader in the two wheeler and four wheeler market in the world by 2020.

India's energy use will grow at a rapid pace to fuel economic development, urbanisation, and improved energy access. This provides a US\$ 750 billion investment opportunity by 2025.

Future Factory will showcase various products and technologies required to create factories for the future.

Future Factory 2019: Planned Expansions and Technology Requirements

India is seeking manufacturing solutions and technologies for aircraft components, auto-electricals and electronics, automotive batteries, heavy commercial vehicles, passenger cars, two and three wheelers, cement, agro intermediates, agro chemicals, basic polymers and elastomers, construction chemicals, other performance chemicals, valves and pumps, construction machinery, machine tools, pressure vessels, solar photo voltaic cells, lighting, mobile phones, printed circuit boards, bulk drugs, pharma APIs, generic pharmaceuticals, flats, forgings and castings etc.

Future Factory 2019: Products on Display

Future Factory 2019 shall display modern technologies core to Manufacturing 4.0 and Large Scale Manufacturing.

- **Smart Factory Design**
- **Production Machines and Equipment**
- **Collaborative Robots and Service Robots**
- **Automation and Assembly Solutions**
- **Motion Control and Sensor solutions**
- **Industrial IoT, Big Data & Cloud Computing for Manufacturing**
- **Simulation Technologies**
- **Augmented Reality and Virtual Reality Solutions**
- **System Integrators**

Future Factory 2019: Target Visitors

End Users and Decision Makers from aerospace and defence, auto and auto components, cement, chemicals, engineering, ESDM, pharmaceuticals, steel and textiles.

Tamil Nadu: The Perfect Host

Tamil Nadu has a diversified manufacturing sector and features among the leaders in several industries such as automobiles, pharmaceuticals, textiles, leather products, chemicals, among others.

Upcoming Projects in Tamil Nadu

- **Ennore LNG Project**, with an expected capacity of 5 MT of LNG per annum, is being developed by Indian Oil LNG
- **GK Industrial Park**, an upcoming 243 ha fabrication-focused industrial property in Tiruchirapalli
- Proposed 8-lane of **Bengaluru-Chennai Expressway (BCE) Phase-II**, with an estimated project cost of US\$ 670 million
- **Integrated Aerospace Park in 1,214 ha in Perambalur** region, with an estimated investment of US\$ 830 million
- **Aerospace Park in over 100 ha in SIPCOT Industrial Park** to provide services in aerospace engineering, production and maintenance of aerospace components, repair and overhauling facilities for avionics
- **Smart Cities Mission**, for which Tiruchirapalli, Tirunelveli, Thiruvananthapuram, Thanjavur, Tiruppur, Salem, Vellore, Coimbatore, Madurai, Thoothukudi, Chennai and Erode are the cities identified in Tamil Nadu
- **Chennai Bengaluru Industrial Corridor (CBIC)** is a 560 km long corridor, spread across more than 8,900 ha in Tamil Nadu
- **Madurai Tuticorin Industrial Corridor** is expected to have an outlay of US\$ 28.9 billion and cover 29 industrial projects spanning across southern districts of Tamil Nadu



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INNOVATION AND TECHNOLOGY

EEPC India's Innovation and Technology Pavilion at IESS is a major confluence of India's premier R&D Academia and Industry, seeking research collaborations & technology transfers etc. Major participants include...CSIR Labs, Indian Institute of Technologies (IITs), various niche & multidisciplinary research undertakings under the Government such as DAE, DRDO and ISRO, besides, R&D Institutes under Department of Heavy Industry, Ministry of MSME & Department of Science and Technology and the series of Private R&D Academia, Innovators, Start ups and Techno-preneurs etc.

- 3D Printing
 - Advanced Manufacturing
 - Centres of Excellence
 - Tool Rooms & Hi-Tech Training
 - Green Manufacturing Technology
 - Healthcare and Medical Technologies
 - Industrial Automation
 - Smart Factory
 - Industrial Internet of Things (IIoT)
 - Precision Engineering
 - Innovators Start-ups
- Renewable Energy
 - Research Labs & Academic Research Institutes
 - Robotics & Emerging Technology
 - Media and Publications in Scientific Research & Innovations
 - Testing Laboratories
 - Training Centres
 - Virtual & Augmented Reality
 - Advanced Product Design
 - Multi-Disciplinary Scientific Research & Spill Over Manufacturing Technologies



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INDUSTRIAL & ELECTRICAL MACHINERY

The Electrical Machinery sector consists of generation, transmission and distribution machinery. The Government of India has de-licensed the Electrical Machinery industry and has allowed 100% foreign direct investment (FDI) in the sector. EEPC India, under the aegis of Ministry of Commerce and Industry, Government of India, has identified the Electrical Machineries, Equipments and Components sector as one of the four focus sectors under 'Brand India Engineering'.

'Brand India Engineering' is an initiative being implemented by EEPC India under the aegis of the Ministry of Commerce and Industry, Government of India, in close cooperation with the industry to enhance Indian engineering exports, by highlighting and showcasing Made in India products and their capabilities in the global market. The initiative involves a 360-degree approach in promoting the branding of Indian engineering products.

Electrical Machinery Exports on the Rise: Exports of Electrical Machinery and Equipments rose to US\$8.9 billion in 2017-18 from US\$5.3 billion in 2013-14 with a CAGR of 13.7%.

- Machineries & Equipments for
 - Agriculture & Food Processing
 - Chemicals & Petrochemicals Industry
 - Construction & Building
 - Heavy Engineering Industries
 - Mining Industry
 - Oil & Gas Industry
 - Plywood Industry
 - Pollution Control
 - Conventional Energy
 - Non Conventional Energy
 - Rolling Mills, Plants
 - Steel Mills, Plants
 - Tea Processing
 - Waste Management System
- Diesel Engines, Generators
- Electric Motors, Generators & Transformers
- Electric Power Machinery & Switchgear
- Electrical Transmission & Distribution Equipment
- Industrial and Domestic Batteries

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