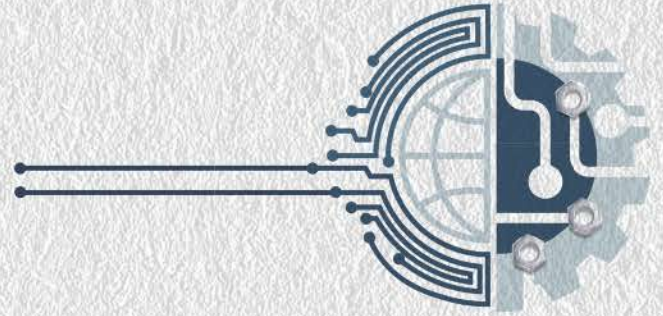


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**INTERNATIONAL ENGINEERING  
SOURCING SHOW**

**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 Program - 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
- Innovation to Business - links and matches research and development agencies to the manufacturing industry. Identifies products and parts to help commercialize innovations
- Industrial Design Clinic - an advisory clinic where industrial entrepreneurs can obtain valuable advices to improve the manufacturing competitiveness through design insights on process and strategic levels. This will help to take design at higher level of manufacturing functions, it is very important to develop a design scenario and environment at the early stage of conception.
- 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

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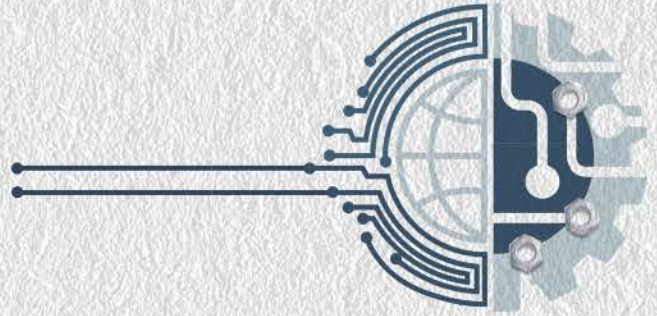


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## FUTURE FACTORY 2019

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 USD 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 USD 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 USD 670 million
- **Integrated Aerospace Park in 1,214 ha in Perambalur** region, with an estimated investment of USD 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 USD 28.9 billion and cover 29 industrial projects spanning across southern districts of Tamil Nadu

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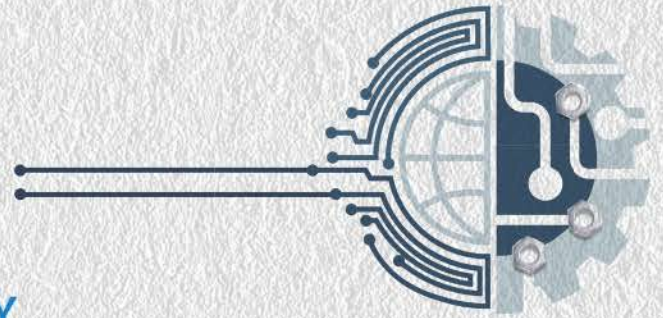


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## INNOVATION AND TECHNOLOGY

- Opportunities for industry to interact with leading R&D academia and create partnerships on Space Research, Nuclear Research, Defence and Aerospace technologies.
- A wide array of solutions for Automation and Industry 4.0.
- Cluster-level technology upgradation.
- Live displays, demonstrations and scale models.
- We propose to organise Indian Engineering Design & Innovation Conclave along with NID, DIPP, MOC, Indian Design Council.

- 3D Printing
- Advanced Manufacturing
- Centres of Excellence
- Design and Tool Rooms
- Green Manufacturing/Technology
- Healthcare and Medical Technologies
- Industrial Automation
- Industrial Internet of Things (IIoT)

- Innovators Start-ups
- Renewable Energy
- Research Labs & Academic Research Institutes
- Robotics & Emerging Technology
- Scientific Research & Development Media and Publications
- Testing Laboratories
- Training Centres
- Virtual & Augmented Reality

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