EMERSON FOR A SELF-RELIANT INDIA

AS INDIA BUILDS OUT A SELF-SUFFICIENT MANUFACTURING ECOSYSTEM, EMERSON IS READY WITH TECHNOLOGY AND ENGINEERING SOLUTIONS.
Driven without compromise to address the world’s most critical needs, we show customers that, no matter the challenge, they can Consider It Solved™.
EMERSON’S COMMITMENT TO INDIA

Make in India is a major national program of the Government of India to promote the country's manufacturing sector. As a result of these efforts and the Aatmanirbhar program, India's manufacturing industry is witnessing a surge in technology adoption to enhance performance, productivity and operational efficiencies. Emerson is aligned with this initiative to build best-in-class infrastructure, foster innovation, protect intellectual property and enhance skill development in the country.

Emerson's huge footprint in India – multiple world class manufacturing locations, R&D centers, engineering centers across the nation to support India and global customers – is a complete ecosystem to support the national directives.

EMERSON FOR A SELF-RELIANT INDIA

We are mindfully leveraging India’s potential to position itself as one of the leading innovative nations of the world.

Emerson’s Industrial IoT offerings aid business performance improvements, while its innovative Commercial & Residential Solutions business ensures energy efficiency, sustainable infrastructure, food safety and human comfort.

Our focus in India is to develop a large-scale, efficient and cost-effective domestic technology & engineering ecosystem.

A sizeable percentage of Emerson’s workforce in India is made up of engineers who are poised to provide high quality engineering services in the field of process automation for local and global operations.

There is consistent emphasis on leveraging India’s manufacturing capabilities and local ingenuity to create global impact.

Nearly 70 percent of Emerson products for India are made in India. Our vision for India as a manufacturing hub is to serve customers in India, southeast Asia, the Middle East & Africa.

We recognize that India’s biggest opportunity is to expand its labor force and talent pool through upskilling education.

Emerson is galvanizing partnerships to help address the skills-gap issue in STEM through investments in upskilling promising talent for India and the world.

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For decades, Emerson has been helping some of the biggest companies in India to automate and optimize production processes through best-in-class technologies, software and industry expertise. We believe we are uniquely positioned to serve this market. Our global comprehensive technologies, when coupled with local ingenuity and market proximity, allow us to go the extra mile to help our customers in India to secure measurable business improvement and consistently achieve Top Quartile performance. We look forward to partnering with our customers to build upon India’s strength as a leading and self-reliant market across the region.

- SUSAN HUGHES
President, Emerson Automation Solutions, Asia Pacific
Market dynamics, technical complexity and the unyielding pressure to do more with less are challenges facing all industries. Yet each industry is unique, and there are no simple answers. Emerson has developed a comprehensive portfolio of industry expertise, with a network of global industry centers and thousands of industry and application experts to solve these challenges.

Since Emerson first established roots in India in the 1980s, our operations in the country have become our greatest success story. India is among our fastest-growing markets and our comprehensive product portfolio of value-added technology and software solutions helps us solve the toughest challenges across varied sectors:

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Emerson is where technology and engineering come together to create solutions for the benefit of our customers, driven without compromise for a world in action.
EMERSON AUTOMATION SOLUTIONS INDIA

AUTOMATION SOLUTIONS – EXPERTISE AND KEY BRANDS
Taking on the industry’s toughest challenges, and bringing predictable success any time, any place.

MEASUREMENT SOLUTIONS
The broadest range of measurement and analytical technologies for process clarity and insight.

Rosemount       Daniel
Micro Motion     Roxar

SYSTEMS & SOFTWARE & MACHINE AUTOMATON
The systems and tools that provide the decision integrity to run your operation at its full potential.

DeltaV          Ovation      OSI
AMS Suite       Machine Automation

FINAL CONTROL & REGULATE
Highly reliable final control technologies to help you regulate and isolate your process with certainty.

Fisher         Virgo
Bettis          Vanessa & Keystone

DISCRETE & INDUSTRIAL
Most trusted brands in power generation, electrical protection, power quality, fluid automation, materials joining, precision cleaning and machine motion

ASCO & Aventics
Branson

SOLVE & SUPPORT
Expertise and global resources to help you dependably define, execute and support a strategy throughout the lifecycle of your operation.

DIGITAL TRANSFORMATION SOLUTIONS
CONSULTING
LIFECYCLE & EDUCATION SERVICES

EMERSON’S FOOTPRINT IN INDIA

7,500+ Employees
Including more than 4,000 engineers

53 Facilities
Operating in India including 8 existing and 2 upcoming manufacturing plants, and 7 engineering centers

2 Acquisitions made in India
Since 2011 (Virgo and Ameya)

Invested in India
since the 1980s

“Emerson is driven without compromise to support critical infrastructure for India’s engineering ecosystem. Our focus on innovation and operational excellence is helping this market drive its next phase of growth, and we continue to deliver industry-specific products and services to parallel India’s mission toward self-reliance.”

- ANIL BHATIA
Vice President & Managing Director, Emerson Automation Solutions, India
Leveraging India’s potential as one of the leading innovative nations of the world, our innovation footprint in the country is focused toward continuous development and upgrade of pathbreaking solutions.

**Emerson Innovation Center (EIC), Pune, Maharashtra**
- A 2,10,000 sq. ft. facility, established in 2003
- Houses 25+ businesses under one roof with over 900 professionals working on cutting-edge design and development projects, advanced digital technologies, engineering simulations, artificial intelligence, machine learning and data analytics
- More than 1,000 inventions, 600 patent applications, 200 patent grants
- Center for collaboration with multiple divisions and business groups across Emerson worldwide in developing new products and designs with the objective to reduce the time-to-market

**Global Cybersecurity Lab, Pune, Maharashtra**
- Established in 2016, and located at the Emerson Innovation Center
- Integral part of Emerson’s larger global cybersecurity network that helps manufacturers confidently adopt digital transformation strategies using Emerson products and solutions
- Focused on defining security requirements, designing threat models and security walkthroughs, maintaining security practices and simulating cyber-attacks in industrial environments to identify and address potential vulnerabilities

"Emerson Innovation Center – Pune is a unique global engineering center. With over 900 employees and 25+ business units under one roof, EIC provides new product development and allied services to both Emerson platforms – Automation Solutions and Commercial and Residential Solutions. Its world-class laboratories spread over 60,000 square feet serve business units with a robust verification and validation program. Innovative thinking is at the core of our organizational culture and consistent efforts to nurture it has created an engine for innovations – adding great intellectual assets for Emerson."

- KETAN LIKHATE
  General Manager & Center Leader,
  Emerson Innovation Center, Pune
3. Emerson Machine Automation Solutions (MAS), Hyderabad, Telangana
- A 14,000 sq. ft. facility established in 2001 for designing and developing PLC products used in various industrial automation applications
- A strong team of highly skilled professionals having skills in electronic board, development and embedded software development is engaged in developing cutting edge products to solve customer’s automation needs in critical infrastructure segments like power plants, refineries, petro chemicals, food and beverages and factory automation
- Developed many new products over the last several years which are installed in many countries including India
4. Emerson Information Technology Solutions (EITS), Mohali, Punjab
- Established in 2007, it presently has a workforce of 550 engineers who provide world-class IT services to Emerson's business units in India and across the globe
- Core capabilities include escalation and crisis management, new technology implementation and preventative support
- Committed to upskilling through coaching and learning programs that are designed for workforce integration into Emerson's global talent pool

5. Emerson Energy Solutions International (ESI), Hyderabad, Telangana
- Global supplier of knowledge-based IT solutions for the management of pipeline systems using simulation models and business solutions developed by Emerson
- Provides decision support software and services that enhance operational efficiency, commercial profitability and safety across the oil and gas pipeline, storage, marketing, and distribution functions

6. Global Engineering Center (GEC), Noida, Uttar Pradesh
- Critical hub to meet rapid development of Emerson’s Power & Water Solutions business, with specializations in high value-added products, business development, customer proposals and product marketing
- Offers comprehensive application and project engineering services including Emerson’s Ovation™ control systems, optimized solutions for thermal, renewable, combined cycle, combustion turbine and water treatment plants, software development and validation, high-fidelity simulation modeling, and performance calculations
- Workforce of over 350 professionals are central to GEC’s commitment to skill and competency development

7. Open Systems International (OSI) Energy Automation, Bengaluru, Karnataka
- The 30,000 sq. ft. facility established in 2013 provides automation and engineering management solutions
- The center employs a workforce of over 180 employees and services clients in South Asia, Southeast Asia and the Middle East
Emerson’s regionalized manufacturing strategy for India remains different from the other regions – unlike China for China and Russia for Russia, our strategy for this market is India for the region. In addition to servicing customers within the country, Emerson’s facilities in India are positioned to support customers in Southeast Asia, Africa and the Middle East.

1. Emerson Process Management India (EPMI), Pawane, Mumbai, Maharashtra
   - 65,000 sq. ft. integrated facility established in 2010
   - Houses the India Measurement Manufacturing Center (IMMC) and India Transmitter Manufacturing Facility with strong team of 250+ professionals who provide concept-to-commissioning engineering services and ship 100,000 transmitters annually
   - Over 570 Delta V™ systems and 140 Ovation systems are shipped out of IMMC and installed in India across process and power industries
   - More than three decades of integration experience of analytical systems
   - Supported by the Emerson Engineering Staging Facility located in Nashik, Maharashtra

2. Fisher Chennai Manufacturing (FCM), Chennai, Tamil Nadu
   - A 324,000 sq. ft. manufacturing facility established in 1995
   - Over 10,000 valves are manufactured annually and has a customer base of over 500 companies
   - Serves hydrocarbon, refinery, petrochemical, oil & gas, pulp & paper, power, chemicals, fertilizers, pharma and metals & mining sectors

3. Emerson Pressure Management (PRM), Chennai, Tamil Nadu
   - A 20,000 sq. ft. facility inaugurated in 2014
   - Cornerstone for Emerson’s One India initiative and manufacturing hub for the South Asia and Asia Pacific markets
   - Capabilities include regulator and LPG internal valve assembly, skid fabrication and assembly, testing and dimensional laboratories, special regulators and construction
4. Emerson Isolation Valves (ISV), Pune, Maharashtra
- A 400,000 sq. ft. facility established in 1986
- Integrated facility that manufactures legacy Virgo and Vanessa and Keystone Valves and Controls products
- Global manufacturer of KTM-Virgo Valves and enables regional assembly of butterfly valves, with nearly 100,000 valves produced annually
- The Isolation Valves (ISV) factory presently located in Hinjewadi will relocate to the EIMC, Talegaon facility in a phased manner over 2020-21

Navi Mumbai, Maharashtra
- A 8500 sq. ft. facility, established in 2012
- Expertise in application, design, engineering of plastic and non-ferrous metal joining, and precision cleaning technologies
- Manufacturing of ultrasonic and vibration custom tools and fixtures, and special purpose machines for customized automation projects
- Manufacturing capacity of ~350 ultrasonic fixtures and ~100 vibration welding fixtures per year

6. Emerson Fluid Control and Pneumatics (ASCO), Chennai, Tamil Nadu.
- A 43,000 sq. ft. facility established in 2019
- Over 200 employees deliver broad and applied expertise
- Nearly one million solenoid coils produced per year
- Over 200k solenoid valves, 5,000 cylinder/actuators and 800 fluid motion control systems and solutions developed
- Broad portfolio of products includes solenoid valves for different process industries, solenoid for industrial products, pulse valves for pollution control, fuel dispensing valves for dispensers and for other ancillary industries, cylinders for factory automation, direction control valves, and systems and solution for factory automation
- Supports Asia Pacific market from India factory

In India, Emerson provides leading-edge products and systems, leveraging innovative technologies to constantly challenge the status quo and deliver the best possible service for our customers. Along with Pune and Mumbai, Chennai in Tamil Nadu is a strong manufacturing hub for our Automation Solutions business in India. We have ambitious expansion plans in the pipeline in this state, including an upcoming facility in Mahindra World City, to continue manufacturing for India and meet our customers’ aspirations for Top Quartile performance with a vibrant and highly skilled talent pool.

- RJ LAKSHMIKANTHA
  Vice President & Managing Director- FLMC, Emerson Automation Solutions - South Asia, Australia & New Zealand
7. Emerson Machine Automation Solutions (MAS), Bengaluru, Karnataka
- Established integration facility in 1997; 25,000 sq. ft. facility to provide products and services to its customers in South Asia
- Provides customers with industry-leading technologies and quality expertise embedded in high performance controllers in a compact, secure package
- Over 70 automation patents give MAS market leadership in:
  - Largest installed base in India in fossil based power balance of plant applications
  - More than 6 GW of experience in renewable power
  - More than 500 systems in conventional and metro railways in various applications from traction to ventilation & environment control and integrated building management systems
- Makes India the only other Emerson market outside the Unite States that provides “Repair & Return” facilities to customers

8. Emerson Export Engineering Center (EEEC), Nashik, Maharashtra
- a 15,363 sq. ft. staging area

Upcoming Integrated Manufacturing Campuses in Chakan and Chennai
- Upcoming state-of-the-art, integrated automation solutions plant in Talegaon, Pune, Maharashtra called the Emerson Integrated Manufacturing Center (EIMC), and Mahindra World City, Chennai, Tamil Nadu
- Emerson's Integrated Manufacturing Center in Talegaon, Pune, is spread over 800,000 sq. ft.
- The isolation valves (ISV) factory presently located in Hinjewadi will relocate to the EIMC, Talegaon facility in a phased manner over 2020-21
- It will also manufacture legacy Ameya products. Other capabilities include quarter turn gear box for rotary valves, manual override gear box for rotary valves with actuators, linear gears box for linear valves and valve operating systems on actuators
- Emerson Mahindra World City, Chennai, Tamil Nadu is a 303,000 sq. ft. integrated office-manufacturing facility that is expected to employ over 200 professionals
Maharashtra is the most industrialized state in India. It has industry-friendly policies, which was exemplified when it provided enormous support during the COVID-19 crisis. Good infrastructure, support from the Government and readily available talent pool provides an ideal business environment for the industry.

Emerson’s Commercial & Residential Solutions business works with the heating, cooling and refrigeration industries to help ensure human comfort and health, protect food quality and safety, and advance energy efficiency. Products manufactured under this business are used in critical and essential industries such as healthcare, hospitals, pharmaceuticals, cold storage, food preservation, railways, commercial refrigeration, heating & air-conditioning.

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*Emerson Climate Technologies (India) Private Limited (ECTIL), Maharashtra:*
- Established in 1993 as a critical unit for Emerson’s Commercial & Residential Solutions business in India
- Manufactures hermetically sealed compressors, condensing units and heat pumps, making Emerson a prominent supplier in the Heating Ventilation & Air conditioning market segments
- Market leadership position with locally designed reciprocating compressor technology, which are optimized for Indian climatic and power conditions. Nearly 40% of locally manufactured compressors are exported to Middle East, Africa, USA and Asia

**Atit Plant**
- 1 million reciprocating compressors manufactured per year
- 3,25,000 sq. ft.

**Chakan Plant**
- 15,000 condensing units and heat pumps manufactured per year
- 25,500 sq. ft.

**Karad Engineering Center**
- Design & R&D Center with 11 product platforms, 14 test calorimeters, 92 reliability test jigs and 2 sound labs
- 28,700 sq. ft.

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*SANDEEP GUPTA*
Vice President & Managing Director, Emerson Climate Technologies (India)
Ever since Emerson’s entrance into the Indian marketplace, we have worked hard to cultivate a pro-business environment with the help of a highly skilled and intelligent workforce. We combine our best-in-class technology, groundbreaking innovation and passion for excellence to make a true difference in the communities and industries in which we operate.

Catalyzing Skill Development
- Active involvement with the National Employability Enhancement Mission (NEEM), a joint initiative by the All India Council for Technical Education and the Government of India. Through this initiative, Emerson offers on-the-job practical training to enhance employability in technical or non-technical stream for students who had to discontinue their education after Class 10
- Engagements with industry associations and technical institutes like ISA, ICC, CII, Fieldcomm, IIT BHU, VESIT and others

Commitment To Diversity And Inclusion
- Global campaign on Women-in-STEM (science, technology, engineering, math) aims at a balanced male-female ratio within Emerson, and encourages women engineers in their professional growth path across the industry
- Multi-market association with the Society of Women Engineers (SWE) facilitates engagement at all levels – from university outreach to corporate programs and conference participation
- Collaboration with technology and management institutions allow engagement with promising young talent from various work and technical fields

Community Engagement & Corporate Social Responsibility
Emerson proactively works with schools, colleges and universities to promote STEM among children and youth, and invests in setting up maths labs, tinkering labs, and mobile science labs at various educational institutes with support from our CSR Partner NGOs.

NGOs supported by Emerson include:
- Masoom
- Purkal Youth Development Society
- Agastya International Foundation
- SOS Children’s Villages of India
- Lend-A-Hand India
EMERSON BUILDS SKILLS IN AND FOR INDIA

Science experiments with the help of Mobile Science Laboratory

Mathematics Lab created at government school at Moi

Advanced instrumentation Labs, advanced process control labs and instrumentation created by Emerson at VJTI Mumbai, SGGS Nanded, IIT Chennai and Jadavpur University in Kolkata.

STEM day for the children of Emerson India employees
CONTACT US

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Maharashtra
Tel: (022) 666 20 566, Fax: (022) 666 20 500

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**Innovation Centers**

**Emerson Innovation Center (EIC)**
Plot No. 23, Hinjewadi Phase 2 Rd, Phase 2, Hinjewadi Rajiv Gandhi Infotech Park, Maan, Pune- 411 057
Maharashtra
Tel: (020) 4200 1000

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**Engineering Centers**

**Emerson Information Technology Solutions (EITS)**
3rd Floor, F-3 Tower, Landmark Plaza, Plot No. A-40A, Phase-VIII B, Industrial, Area, Quark City India Pvt. Ltd, Sahibzada Ajit Singh Nagar - 160 059
Punjab
Tel: (0172) 426 7800

**Emerson Export Engineering Center (EEEC)**
Emerson Tower, Matrix Complex, Old Mumbai - Pune Hwy, beside Shopper's Stop, Wakadewadi, Pune- 411 005
Maharashtra
Tel: (020) 6704 7000

**Emerson Energy Solutions International (ESI)**
201, Manjeera Trinity Corporate, JNTU, KPHB Phase 3, Kukatpally Mall, Hyderabad- 500 072
Telangana
Tel: (040) 6766 6800/888

**Fisher Chennai Engineering Center (FCEC)**
Unit No. 2, International Technology Park, ASCENDAS (Crest), Tharamani, CSIR Road, Chennai- 600 113
Tamil Nadu
Tel: (044) 6656 1454

**Global Engineering Center (GEC)**
Tower A, Windsor IT Park, A-1 Sector 125, Noida- 201 301
Uttar Pradesh
Tel: (0120) 419 4444

**Open Systems International (OSI)**
Energy Automation India Pvt Ltd
Unit No. 29, Lower Ground Floor, Creator Building, International Tech Park Bangalore (ITPB), Whitefield, Bangalore- 560 066
Karnataka
Tel: +91 80 41265051
Fax: +91 80 41275051

**Emerson Pneumatics (ASCO)**
57 Kundrathur Main Road, Gerugambakkam Porur, Chennai- 600 128
Tamil Nadu
Tel: (044) 6633 7300

**Emerson Ultrasonic India (Branson)**
Plot no. 110, Pawane Village MIDC Rd, MIDC Industrial Area, Pawne, Navi Mumbai- 400 710
Maharashtra
Tel: (022) 6181 6700

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**Manufacturing Plants**

**Emerson Process Management India (EPMI)**
Plot no. A-145, TTC Industrial Area, MIDC Industrial Area, Pawne, Navi Mumbai- 400 705
Maharashtra
Tel: (022) 6673 6000

**Emerson Pressure Management (PRM)**
Plot No: S, 6, 7 & B, Self Help Industrial Estate, Keelkattalai, Chennai- 600 117
Tamil Nadu
Tel: (044) 4903 4300

**Emerson Machine Automation Solutions (MAS)**
Emerson Automation Solutions
209, 210 2nd Floor, Manjeera Trinity Corporate JNTU - Hitech City Road
KPHB Phase 3 Kukatpally
Hyderabad-500072

**Emerson Machine Automation Solutions (MAS)**
Building No.8, Ground Floor Velankani Tech Park, No. 43, Electronics City Phase I, Hosur Road, Bengaluru- 560 100
Karnataka

**Emerson Isolation Valves (ISV)**
277, Raisoni Industrial Park, Hinjewadi Phase II, Maan, Mulshi- 411 057
Maharashtra
Tel: (020) 6674 4000

**Emerson Integrated Manufacturing Center (EIMC)**
Plot No. C-1, Talegaon MIDC Phase-II, Tal. Maval, District- Pune, Maharashtra