



**TATA** CONSULTING ENGINEERS LIMITED

## Engineering a Better Tomorrow Over Five Decades

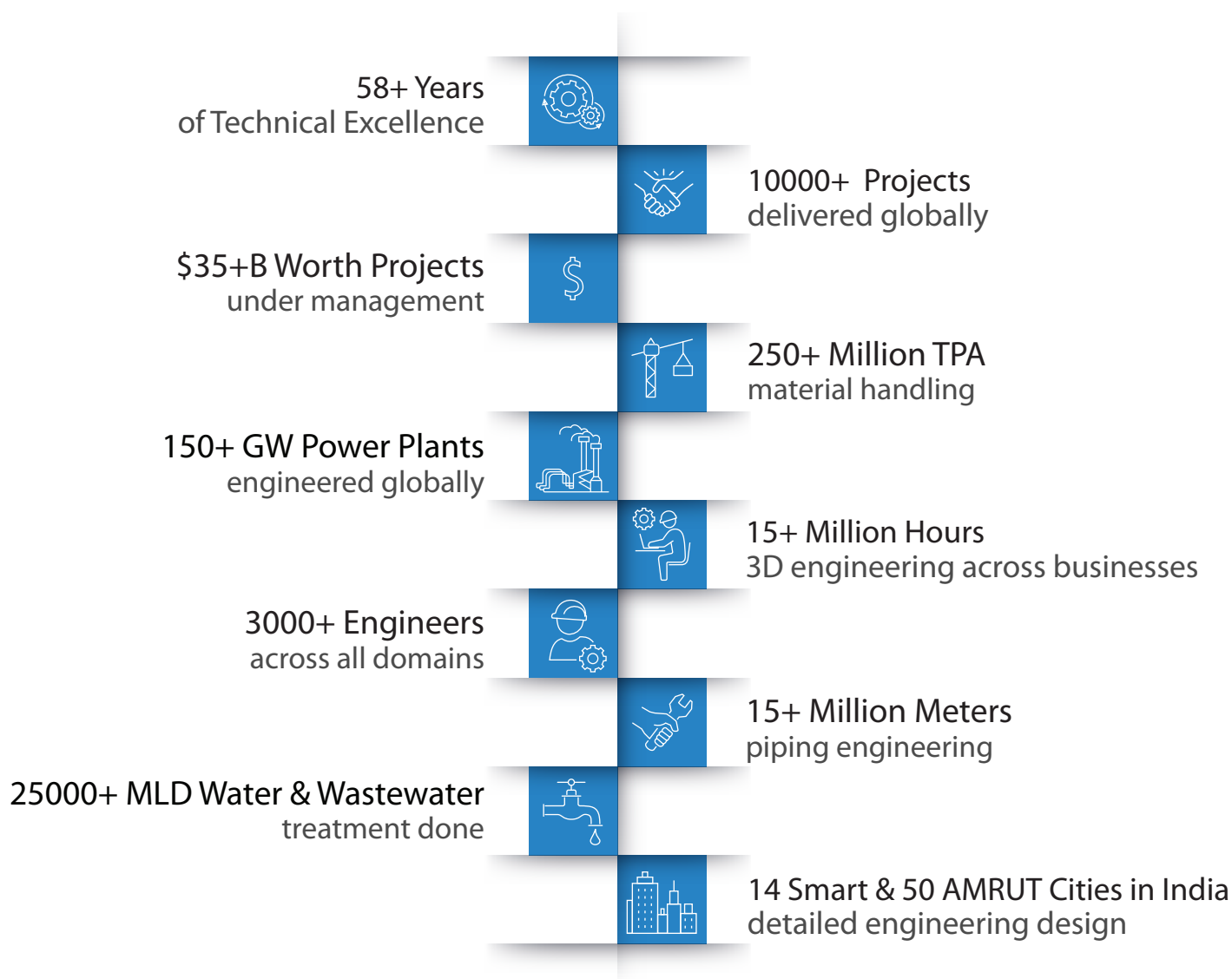


# Delivering Aspirations, Achieving Scale

Established in 1962, Tata Consulting Engineers Limited (TCE) offers its customers invaluable expertise – a by-product of more than five decades of premier service as an integrated engineering service provider. To date, we have completed more than 10,000 assignments in over 55 countries, some of which are a first of their kind. We have cemented long-standing relationships with large international organisations across the world. Thanks to the quality, integrity and multi-disciplinary expertise that we promise our clients, we enjoy industry-wide acclaim and trust from our clientele.

Evolving and diversifying into several industry sectors, some of it funded by international funding agencies, we have built capabilities and built up scale. Through evolving market trends, industry evolution and progress, the one constant that has held us in good stead is our [Tata promise of ethical practices and a robust commitment to values](#).

Eminent in the engineering consultancy services domain, we have an established presence in almost all key industry segments, capabilities to handle multi-dimensional, large scale assignments, and long-term relationships fostered across the globe. Our specialised, in-house talent pool and ability to provide holistic solutions under one-roof, makes us a force to be reckoned with, in the engineering consulting sector.



Atal Mission for Rejuvenation and Urban Transformation (AMRUT)

# Where There is Engineering, There is TCE

We provide end-to-end solutions from concept to commissioning, project management consultancy & asset life cycle management. Our tried and tested technology capabilities have been developed over the years with diversified projects delivered to a global clientele. A dedicated talent pool with core engineering skills in key industry segments, makes our service line a completely integrated service model. Expertise in complex projects, collaboration with downstream parties for project delivery, cost effective and environmentally-friendly solutions, core engineering skills, quality systems, processes and simulation tools.



## DESIGN & ENGINEERING

- Project Concept Development
- Pre-feasibility & Feasibility Reports
- Detailed Project Reports
- Environmental Study Reports
- System Studies
- Frontend Engineering Design (FEED)
- OE Services
- Detailed Engineering



## PROJECT MANAGEMENT & SAFETY

- Project Management
- Engineering Review
- Construction Management / Supervision
- Program Management
- Interface Management
- Specialised Services
- Quality & Safety Audits
- Outage Management



## PROCUREMENT MANAGEMENT

- Procurement Assistance
- Quality, Inspection & Equipment management
- Vendor Quality Assessment
- Vendor Management
- Inquiry/Tender Preparation and Award



## DIGITAL & ADVANCED TECHNOLOGIES

- 3D Modelling & 4D Simulation
- Asset Digitisation
- Engineering IT Services
- BIM & IIoT
- New Machine Development
- Machine Localisation
- Machine Component Development
- Design Validation
- FE Analysis
- Special Projects



## Infrastructure

Infrastructure Business Unit of Tata Consulting Engineers is a part of a nation's everyday life. What goes behind it is what we strive to do tirelessly – we improve the quality of life of the ordinary person on the street. To be able to do this, we work with public and private sector organisations, government and local bodies and international funding institutions. We plan and design townships and cities, waterways and water distribution, transport and the environment. We not only conceptualise; we ensure its materialised.

### SECTORS

Water, Wastewater & Sewage



Environment + Sustainable Infrastructure (Ecofirst)



Master Planning & Urban Development



Buildings & Facilities



Industrial & Manufacturing Facilities



Ports, Transportation



### QUICK FACTS

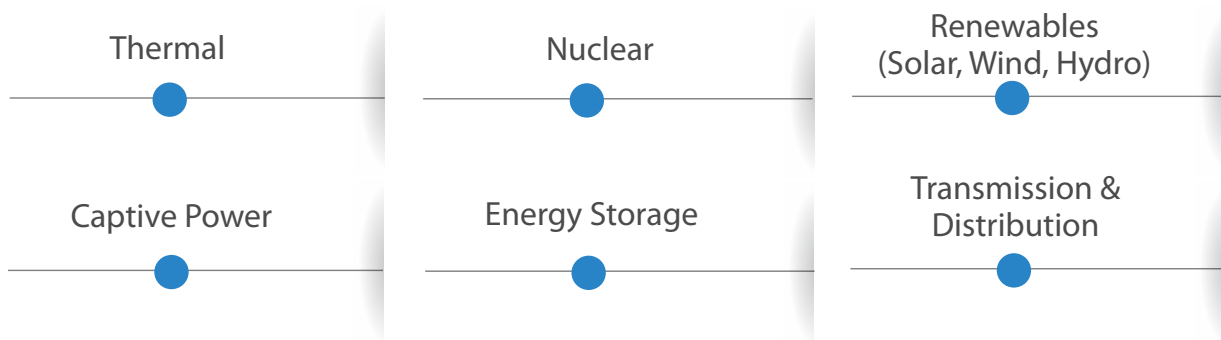
- Water & Wastewater management solutions across 11 states in India
- Direct water supply to 0.56 million households in 2 cities
- Modular engineering solutions in waste management for Middle East & Africa
- 0.5 to 90 MLD Sewage Treatment Plants, 550 km Sewer pipes - dia 150 mm to 1000 mm
- 139 Waste management projects across India
- 430,000 sqm Manufacturing Infra, 3,60,000 sq ft Residential Infra
- 1,01,00,000 sq ft BUA Educational & IT Infra, 24,00,000 sq ft BUA Hospital Infra
- 14 Smart Cities, 50+ Towns under AMRUT project smart cities



## Power

Strategically positioned to provide services relevant to customers in all regions, our Power Business has a track record of about six decades in concept to commissioning solutions in every aspect of the Power sector. TCE's Power Business commenced in the early stages of India's electrification program and has now grown to be a market leader. The Energy Business prides itself in its capabilities to design, build and upgrade all kinds of power generation facilities, transmission and distribution solutions and value additions for power generation efficiencies.

### SECTORS



### QUICK FACTS

- Engineered over 150+ GW power
- 100+ GW Coal-fired plants, 25+ GW Combined & Simple Cycle Gas Fired plants
- 6+GW Hydropower Plants, 11+ GW Solar Plants, 1.5+ GW Wind Farm
- 2+ GW Nuclear Power Plants
- Over 250+ clients across the globe
- 300+ projects delivered till date





## Resources - Mining & Metallurgy

TCE is among the leading players in this industry segment providing one stop solutions for its valued customers from mines to metal manufacturing and processing. TCE's vast experience in the mining sector serves as a closed-loop solutions outfit, including metals processing, ancillary infrastructure and raw material management, right from exploration planning.

### SECTORS

Ferrous &  
Non-Ferrous

Geology  
& Mining

Beneficiation

Material  
Handling

### QUICK FACTS

- Enabled 10 Million Ton integrated steel plant
- 100+ Million Ton of ore handling
- 150+ Million Ton of waste handling
- 300,000 Ton of structural steel engineering and fabrication
- 85 projects across the globe on metal/mine
- 1 Million m3 of concrete for metal/mine infrastructure
- 1,900 MW of power for metal/mine facilities
- One of the largest Zinc, Bauxite & Iron Project
- 80 MGD of water provision for plant



## Resources - Hydrocarbons & Chemicals

More than four decades of experience in providing comprehensive engineering services (Concept to commissioning). Safety in Design and operations is critical in the Hydrogen and Chemical Industry hence the HCBU workforce is oriented into Safety Instrumented System (SIS), which is one of the most important layers of protection against accidents and hazards in the industry. HCBU workforce has also adopted High Integrity Pressure Protection System (HIPPS), a type of SIS, designed to prevent over-pressurisation of a plant.

### SECTORS

Oil & Gas

Petrochemicals  
& Refineries

Food &  
Pharma

Specialty  
Chemicals

### QUICK FACTS

- Asia's largest fertilizer plant
- Ethiopia's first PVC Plant
- Asia's largest paint manufacturing facility – 150,000 & 300,000 klp
- First Bank Currency Rolling Paper Mill in India for Reserve Bank of India
- First Dedicated Engineering Centre to serve as an alliance partner to a large petrochemical major in Saudi Arabia



## Our Presence



### Tata Consulting Engineers Limited

Head Office: Unit No NB 1502 & SB -1501, 15th floor, Empire Tower,  
Cloud City Campus, Thane Belapur Road Airoli, Navi Mumbai, Maharashtra 400708, India  
[www.tce.co.in](http://www.tce.co.in) | [tceconnect@tce.co.in](mailto:tceconnect@tce.co.in)