INTRODUCTION AND OVERVIEW

Engineering Reliable, Sustainable and Intelligent Assets

The world is entering a new era of infrastructure and industrial development. Assets that once served a singular purpose are now expected to do much more. They must operate reliably in increasingly complex environments, support sustainability objectives, optimise the use of resources and leverage intelligence to continuously improve performance.

From power systems and manufacturing facilities to transportation networks, water infrastructure and urban ecosystems, engineering is being called upon to create solutions that are not only efficient and resilient but also adaptive to changing needs and future challenges. As industries transform through digitalisation, energy transition and technological advancement, the definition of engineering excellence itself is evolving.

For more than six decades, Tata Consulting Engineers (TCE) has partnered with clients to transform ideas into assets that create lasting economic, industrial and societal value. Established in 1962 and a wholly owned subsidiary of Tata Sons Private Limited, TCE has grown into a multidisciplinary engineering and project consultancy with capabilities spanning energy, infrastructure, manufacturing, industrial and advanced technology sectors. Operating across geographies and supported by a network of engineering, project management and technology specialists, the Company helps clients navigate complexity, accelerate transformation and deliver outcomes that endure.

At the heart of TCE's approach is its distinctive OEPC™ (Owner's Engineer and Project Consultant) model, which combines engineering excellence, project delivery expertise and lifecycle thinking within a single integrated framework. From concept development and feasibility studies to engineering, project management, commissioning support and asset sustenance, TCE supports clients across the entire asset lifecycle. This integrated approach enables the Company to bring together technical depth, execution discipline and domain knowledge to deliver solutions that are aligned with business objectives and long-term value creation.

Today, the engineering landscape is being reshaped by powerful forces. The global energy transition is accelerating investments in renewable energy, nuclear power, sustainable fuels and lower-carbon industrial systems. Rapid urbanisation is driving demand for smarter and more resilient infrastructure. Advanced manufacturing, semiconductors, artificial intelligence and digital technologies are transforming industrial ecosystems. At the same time, organisations are expected to deliver growth while addressing environmental stewardship, resource efficiency and long-term sustainability. In this environment, engineering can no longer be viewed solely through the lens of design and construction. It must create assets that continue to generate value throughout their lifecycle by combining operational reliability, environmental responsibility and intelligent performance.

This understanding forms the foundation of this year's theme. Reliability remains the cornerstone of engineering excellence, ensuring that critical infrastructure and industrial facilities perform safely, efficiently and consistently throughout their operational life. Sustainability reflects a commitment to balancing economic growth with responsible use of resources, lower environmental impact and resilience to future challenges.

Engineering assets that perform reliably, adapt intelligently and endure sustainably.

Intelligence represents the growing integration of digital technologies, advanced analytics, automation and data-driven decision-making into engineering solutions, enabling assets to become more connected, adaptive and efficient. Together, these principles define the way TCE approaches engineering and value creation for its clients.

Across power generation and transmission, hydrocarbons and chemicals, mining and metallurgy, transportation, water and environmental infrastructure, advanced manufacturing, project management, digital engineering and sustainable built environments, TCE continues to help clients solve complex challenges and create long-term value. The Company combines engineering rigour with innovation, sustainability expertise and digital capability to deliver solutions that address present needs while preparing for the future. Supported by a growing international footprint and strengthened through collaboration across the Tata ecosystem, TCE remains committed to contributing to economic progress, industrial competitiveness and societal development.

As TCE enters its next phase of growth, the Company is strengthening its position as a global engineering partner by expanding capabilities, deepening customer relationships and investing in future-focused technologies and solutions. Through a combination of engineering excellence, innovation, sustainability and digital leadership, TCE is building the foundations required to address increasingly complex challenges while creating lasting value for clients, communities and society.

Guided by its Vision, Mission and Values, and anchored in the Tata philosophy of leadership with trust, TCE continues to build on a legacy of technical excellence, professional integrity and customer focus. As industries and communities confront new opportunities and challenges, the Company remains focused on its purpose of Engineering a Better Tomorrow™ by creating assets that are dependable in performance, responsible in impact and intelligent by design.

64+ Yrs
Of engineering excellence

07
Patents

8,455
Engineers across all domains

60
Countries

$50+ Bn
Worth projects under management

12,000+
Projects delivered globally

Our Pillar of Success

Vision

To be an internationally respected Engineering Consultant offering Comprehensive Solutions

Mission

Provide Technically Excellent and Innovative Solutions, for adding value for all Stakeholders, and Operate Globally as Professional Consulting Engineers

Values

- Customer Satisfaction and Loyalty
- Technical Excellence with Professional Ethics
- Responsibility to Society
- Employee Dignity and Self-respect
- Organisational and Individual Growth