



STBC
PROVEN PERFORMANCE

ABOUT STEC



STEC is a national engineering consultancy company with a strong presence in providing innovative solutions at any point of a project phase.

STEC provides a comprehensive engineering network solution focusing on short-integrated and robust engineering delivery solutions to achieve customer expectations.

Our team has an outstanding background and record of accomplishments in developing practical and cost effective solutions to engineering problems in many industries and a wide range of applications.

Our organization is recognized for high-quality technical excellence and the development of adaptive-innovative solutions.

OUR STRENGTHS

- Experience in engineering, study, and analysis
- Strong collaborations
- Fast-track project expertise
- Reliable partner
- Highly qualified personnel
- Fit for purpose design

OUR PRINCIPLES

- Business Excellence
- Technical Integrity
- Adaptive-Innovative Solution
- Safety and Sustainability

INDUSTRY SEGMENTS

Upstream and Midstream Hydrocarbons Engineering Solutions:

Onshore Facility, Offshore Facility, FPSO/FSO Facility, MOPU/MODU Facility, LNG Facility, CNG Facility, FSRU-Pipelines and Terminals Facility

Sustainable and New Energy Engineering Solutions:

Biomass Power, Solar Power, Electric vehicle charging station, and Carbon Capture Facility

Infrastructure Engineering Solutions: Power Plant Generation Facility, Master planning-building-infrastructure, Jetty Facility, Sewage-Effluent-Waste Water Treatment (IPAL) Facility, Water-treatment and Drinking Water Supply System (SPAM) Facility

Chemical, Minerals and Metals Engineering Solutions: General Chemical Facility, Chemical Formulation Facility, Fe-Ni Smelter Facility, and Co-Ni Smelter Facility

PROVEN PERFORMANCE THROUGH EXCELLENT DELIVERY

We carry out fit-for-purpose projects that require adaptive-innovative engineering expertise, technical know-how, and business strategy alignment. Proven performance through excellent delivery is our motto, thus enabling us to gain the reputation of being a reliable and trustworthy partner.

EXPERTS IN DELIVERY

We are always focused on project execution and commit to achieving customer expectations. The excellent project management skills, combined with a wide range of functional expertise in design engineering, technical procurement, estimator, quality management, HSE & sustainable knowledge, robust collaboration experiences, and special engineering consultancy support, enable us to deliver the projects on the highest outcomes consistently.

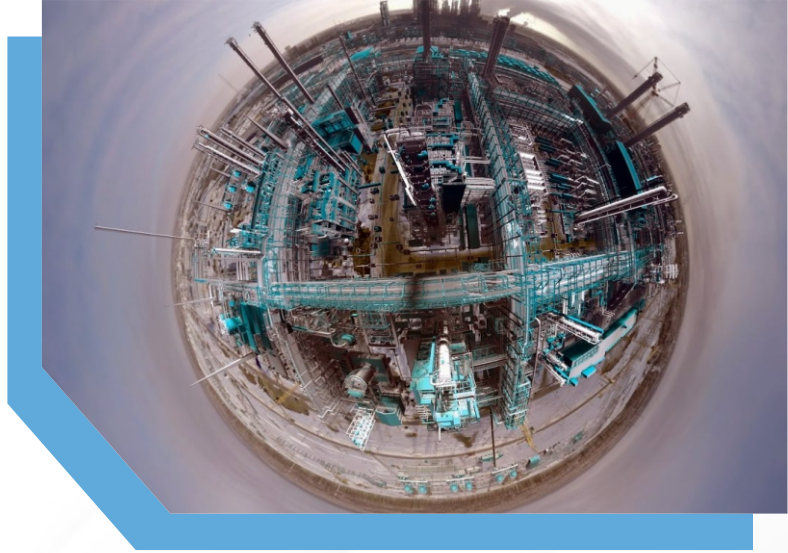


FIT-FOR-PURPOSE

Our excellent track record in delivering projects on time and on budget to achieve a fit-for-purpose objective has enabled our sustained business growth over the years.

CAPACITY AND FLEXIBILITY

We have the minimum critical mass to successfully manage the projects while maintaining the essential flexibility to respond quickly and effectively to customer needs. We always consider a proven capacity to execute multiple projects simultaneously for achieving high-quality performance outcomes.



COLLABORATION TEAM POWER-DRIVEN

We have developed our capabilities through continuous project experiences in a broad industry, different cultures and behavior, and the complexity of the projects across all functions. With experience, skilled employees, and qualified engineers, we have the full range of technical resources to undertake the challenge and provide adaptive-innovative solutions to the projects.

RELIABLE PARTNER

As a reliable partner, we also maintain good collaborations with external interfacing to provide robust-integrated solutions for the projects. Above all, we recognize that the project's reputation is built on all stakeholder integrity and the ability to reliably deliver the long-term benefit of the customers, projects, environments, and local communities.

***" Proven Performance
through Excellent
Delivery " is our motto
for performance, enabling
us to gain the reputation
of a reliable and
trustworthy partner.***

PROJECT EXPERIENCES AND CAPABILITY

We have developed our capabilities through continuous project experiences in a broad industry, different cultures and behavior, and the complexity of the projects below.

EARLY CONCEPTUAL DEVELOPMENT

- Preliminary Project Scope and Business Strategy
- Local Content Compliance Strategy
- Country Design Approval Strategy
- Local Jurisdiction Requirement Strategy
- Preliminary CAPEX and OPEX Estimate

CONCEPTUAL DESIGN

- Option Development and Delivery Strategy
- Preliminary Value Engineering Analysis
- Site Selection Study
- Preliminary 3D Model, AR/VR and 4D - BIM Model

FEED DESIGN

- CAPEX and OPEX Estimate
- Local Codes Standard and Regulation Review
- FEED Engineering Design Review
- HAZOP and HAZID Review
- CAD Design and Drafting Works
- Green Building Strategy
- EPC Scope of Work and ITB Preparation
- Obtain Budgetary Quotation and Commercial Bid Analysis Preparation
- Specific Engineering Study, Calculation and Analysis (Pipe Stress Analysis, Free-span Analysis, Roadcrossing and Pipeline Stability, Steady State&Transient Pipeline Analysis, Loadflow Analysis, Push-over Analysis, Loadout Analysis, Lifting and Transportation Analysis, Etc.)

PROJECT LIFE-CYCLE CAPABILITY

- Greenfield Project
- Brownfield Project
- Maintenance and Operational Project

ENGINEERING DISCIPLINE CAPABILITY

- Process Engineering
- Mechanical (Static, Rotating, HVAC, and Package) Engineering
- Piping and Layout Engineering
- Civil, Structural and Architectural Engineering
- Electrical Engineering
- Instrumentation, Control and Telecommunication Engineering
- Pipeline (Onshore, Offshore/Subsea) Engineering
- Safety (Fire, Process and Loss Prevention) Engineering
- Environmental and Sustainability Engineering
- Site Survey Engineering

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