

DYNATECH PIPING SUPPORT ENGINEERING SERVICES

CRAFTING FUTURE-READY SOLUTIONS FOR INDUSTRIAL INGENUITY

Increasing global warming is an alarming situation for the whole world. Most of the nations have realized it and working towards minimizing their carbon emission levels in their respective countries. As a developing country, emissions originating in India will grow to meet their social and developmental activities. However, the Govt of India 'Ministry of Environment, Forest and Climate Change' has initiated steps in key sectors of the economy, the mitigation efforts have been undertaken with a vision of low carbon emission and sustainable development. One of the major carbon emissions industries is coal-fired captive power plants in steel and power plants for utilities. TATA Steel is one of the industries working with an objective of carbon emission reduction gradually in their captive power plants by discarding their coal-fired boilers by utilizing the waste heat energy in their steel plants.

Presently, the existing industries are facing significant challenges due to the absence of documented or digitized information, required technical skills at different levels, and continual process improvement. Not adhering to the preventive maintenance schedules of servicing of equipment, inspection of critical piping, and relevant piping supports are also major concern. To meet some of these requirements and enhance the reliability of the existing plants, plant engineering services have become pivotal not only in achieving low carbon emissions but also in enhancing safety, reliability, and sustainability. These plant engineering services are indispensable for industrial plant design, installation, operation, and maintenance. As an ISO-9001:2015 and ISO 45001-2018 certified organization,

Dynatech was established to address a few of these industry challenges. It utilizes the expertise of experienced personnel, trained young engineers, and relevant latest technologies to provide innovative solutions in the field of plant engineering services.

Dynatech carries out plant engineering and field engineering studies for the clients' engineering projects and provide engineering solutions. It imparts training & development programs based on the client's needs to the industry personnel to enhance their technical capabilities. Plant engineering encompasses from the initiation of the project till the successful commissioning of the plant. The firm's project management team ensures customer requirements of Quality & Delivery Schedules to the client's satisfaction. It has undertaken many critical projects for customers viz TATA Steel, NTPC, Jindal, Torrent Power, Siemens, Paharpur Industries, Finolex Industries, Hitachi Zosen India, and many other process Industries. The company believes in invisible strong 'Value based Relationships' with their stakeholders. "We have recently undertaken impactful projects, demonstrating its prowess in engineering solutions. Notably, we have been actively involved in a critical project aimed at integrating two power plants which are away 700 meters in distance. Our engineering expertise enables the seamless operation of either plant independently," speaks T. V. V. Satyanarayana, Founder and Head of Dynatech.

With a rich portfolio of 200 plant engineering projects, the company's commitment to the client's satisfactory commissioning is evident in the seamless delivery of high-quality



T. V. V. Satyanarayana,
Founder & Head

outcomes. Following the engineering phase, Dynatech employs 3D design based on the client's requirement to ensure right quantity of material, ease of erection, operation, maintenance, and safety during plant operation. These virtual plants, allowing it to understand and engage clients effectively. By reviewing these, the firm provides clients with a comprehensive understanding of the project before the construction begins, eliminating clashes and surprises in the later stages. This proactive approach not only ensures a smoother workflow but also serves as a valuable tool for client education.

"Our future roadmap is strategically aligned with the evolving needs of the sector. Our focus extends beyond the modernization and enhancing the reliability of the existing plants, acknowledging their current operational challenges. We are particularly geared towards the development and optimization of new industrial facilities. Central to our mission is customer education, where we aim to enlighten clients about the intricacies of modern plant technologies and operational standards", adds T. V. V. Satyanarayana. ||



IS PROUD TO PRESENT

DYNATECH PIPING SUPPORT ENGINEERING SERVICES

AS ONE OF THE

TOP 10 PLANT ENGINEERING SERVICES 2024

*in acknowledgement of its unwavering focus and dedication
to achieve excellence in quality and delivery in this field.*

Sudhakar Singh

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Managing Editor
Industry Outlook