

Case Study: Engineering Support

Client: Dixie-Southern Constructors, Inc.

The Challenge:

To assist in the creation of structural detail drawings and the fabrication of large duct components.

BACKGROUND:

Dixie-Southern Constructors, Inc. specializes in the fabrication of carbon steel, stainless steel and alloy weldments for various industrial applications. After being awarded a substantial contract for design and fabrication, Dixie-Southern determined they would require additional engineering support to ensure a successful completion of the project. Dixie requested TES to partner with them to supply engineering expertise to ensure the tight production schedule was met.

THE TES SOLUTION:

TES assigned one lead engineer, two designers and one checker to the project to develop and deliver general arrangement, shop/panel box assembly, plate layout and structural design drawings.

Additionally, TES utilized three-dimensional modeling software to validate the design and prevent potential fabrication issues in the future.

TES was effective to the point that they were chosen as the sole-source to assist with further phases of the project.

THE RESULTS:

TES's experience and dedication enabled Dixie-Southern to meet their project schedule constraints without adding internal headcount.

Also, the engagement of the TES team allowed Dixie-Southern's in-house engineering team to remain focused on their core competencies.

Due to the success of the initial partnership, Dixie-Southern awarded TES several new contracts.





POWER/AIR POLLUTION CONTROL
Including: Structural Engineering, Analysis, Inspection and Technical Publications

> Power/Air Pollution Control

Thinkpath Engineering Services, L L C . (TES) – When You Insist on a Professional

TES specializes in developing unique and innovative solutions for power/air pollution control issues. Our team of dedicated engineers and specialists has the experience and insight to ensure timely, sound and cost-efficient service.

TES has provided essential services for more than 550 utility-related projects throughout our 30 year history. We offer numerous and varied resources to our clients who operate in a wide range of fields and industries.

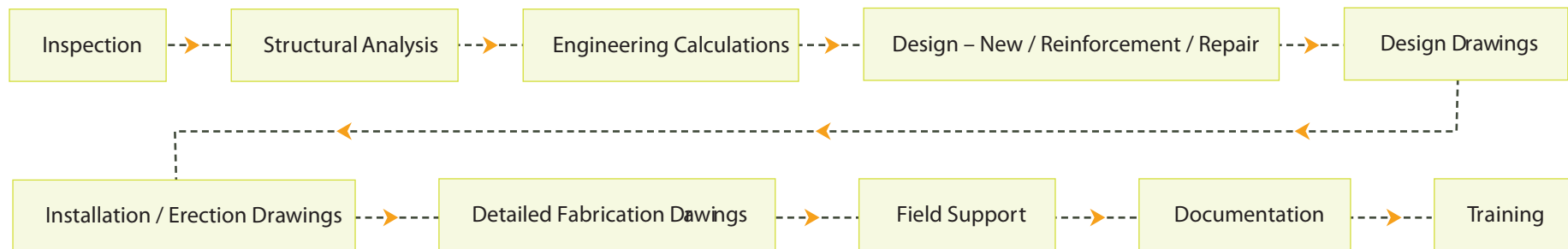
TES has led the way with Electrostatic Precipitators (ESP) and ductwork inspections, analysis, structural steel design modifications, foundation design, maintenance manuals and electrical and controls engineering.

We re Experts in Power/Air Pollution Control

Our typical services during plant maintenance shutdowns and outages include:

- Visual component review
- Ultrasonic thickness readings
- Plate work samples and testing
- Written inspection reports
- Recommendations
- Engineered repairs as necessary

The TES Power/APC Process:





Markets Served

Structural Engineering & Design

Our diverse engineering experience and excellent technical capabilities have combined to create a culture of success at T E S . Our clients demand the best and our professionals do not disappoint.

TES provides expertise in:

- Casings — Electrostatic Precipitators (ESPs), Selective Catalytic Reactors (SCRs), Flue Gas Desulpherization (FGD) also called Scrubbers
 - New Additions
 - Reinforcements
 - Repairs
- Foundations
- Fabrication Details
- Professional Engineering Reviews
- Condition and Integrity Analysis

Field Services

TES professionals can offer their expertise right on the job-site. Our engineers will monitor and advise on-site, in any number of specialized capacities for as long or as briefly as you require them.

TES Field Services include:

- Structural Inspections
- On-site Project Management
- Field Engineering Support
- Construction Management
- Operations & Safety Audits

Documentation & Training

TES produces precise and technologically advanced Technical Publications and Documentation. We have focused on this area as a central aspect of our business since TES's inception and have consistently satisfied our clients.

TES offers:

- Maintenance Manuals & Training
- Operations Manuals & Training
- E-Docs

You Can Count on TES

TES excels in the art of structural analysis and modification, providing experienced engineers on-site to facilitate all your air/pollution control requirements. Offering insight and innovation, TES will fit a unique solution to your company's singular needs.