



Synterprise Engineering Services

Synterprise delivers top quality capital projects and engineering services - guaranteed. No one does it better – increase or maintain production, reduce costs, and increase reliability using our **Critical-Depth Expertise** and enhanced technology advantages gleaned from delivering many years of engineered solutions on a global basis.

Turbine and Aux Engineering

Synterprise personnel have over twenty years of experience systematically improving turbine resources at minimum risk.



- Turnkey Turbine Overhauls
- Repair Supervision and Engineering Oversight
- Engineered Equipment Repair
- Root Cause Analysis and Solution Development
- Engineered Capacity Upgrades
- Performance Engineering & Testing Guidance
- Turbine and Aux O&M Training Programs

Boiler and Auxiliary Equipment Engineering Services

Exceptional depth in combustion optimization, boiler upgrade design, best practice maintenance, operational efficiency, equipment assessments, refurbishment technologies, and upgrades for grate fired, wall fired, corner fired, and fluidized bed combustion technologies. Expertise encompasses:

- Turnkey Boiler Modifications
- Boiler Modification & Upgrade Engineering
- Boiler Operations / Procedures Assessment and Improvement
- Boiler and Aux Inspection Services
- Boiler Tube Failure Management Program
- Combustion Improvement & Performance Testing
- NOx Reduction Engineering & Equipment
- Aux Equipment Upgrades – APH, Mills, Ash, Air, Water, Etc
- Boiler And Aux O&M Training Services



Transmission and Distribution Engineered Solutions



- Financial and Economic Evaluations
- Environmental Impact Studies
- Project Management
- Transmission and Distribution Design
- Distribution Systems
- Safety Audits and Safety Inspections
- One-Line Diagrams and Construction Drawings
- Site Selection & Equipment Layouts
- Equipment Procurement
- Construction Coordination
- Relay, Control & Metering
- Protective Systems Coordination
- Substation Automation
- Grounding Systems
- Maintenance Programs
- GIS



Synterprise Global Consulting
1110 Market St, Ste 525
Chattanooga, TN 37402
1-423-267-5363

Plant Systems Engineering Services

We offer a full range of plant systems modification engineering services; equipment condition assessments; reliability analysis; operations & maintenance expertise; and training programs for plants. Our enterprise asset management implementation and support is globally recognized. Services include:

- Plant Capital Projects – Boiler, Turbine, Environmental, Balance of Plant
 - Turnkey Capital Project Modifications
 - Project Management
 - Project Engineering
 - Project Specification And Procurement
 - Economic Justification
 - Project Planning, Scheduling, And Control

- Enterprise Asset Management System Implementation And Support
 - Enterprise Asset Management Expertise – Full Program Implementation To Current System Upgrades To Business Process Improvement
 - Work Management System Improvement
 - CMMS System Evaluation / Selection / Implementation
 - Supply Chain Management System Support
 - Reliability Program Development, Implementation, Optimization
 - Structured Reliability Engineering And Plant Reliability Management Support
 - Plant Engineering “Content Management”
 - Equipment System Maintainability And Operability Engineering
 - New Equipment System O&M Program Optimization – PM, PdM, CBM



Compliance and Evaluation Services

- | | |
|---|---|
| <ul style="list-style-type: none"> • Due Diligence Reviews • Technical Feasibility Studies • Event/Failure Analysis • Expert Witness • Emission Control Equipment Testing • Specification Development • Boiler Testing | <ul style="list-style-type: none"> • Plant Engineering Program Evaluations, Audits, and Performance Improvement • Design Reviews • Quality Program Performance Engineering • Equipment Testing and Control • Human Performance Development |
|---|---|



Non-Destructive Testing Services

Synterprise provides our clients with subject matter expert knowledge to obtain the best equipment condition assessment possible using today's technologies, allowing practical decisions based on remaining life projections. Synterprise utilizes state of the art field assessment technologies (eddy current examinations, ultrasonic analysis, vibration analysis, oil analysis, thermography, motor current analysis, real time monitoring of operational parameters, etc),

Who We Are

Synterprise believes in doing business the 'old fashioned way' by forging long-term relationships with our Clients based on providing exceptional service. We actively listen, understand our Client's issues, and commit ourselves to their best interests. If you don't like what we do, we promise to make it right. Our Clients deserve nothing less.



Synterprise Global Consulting
 1110 Market St, Ste 525
 Chattanooga, TN 37402
 1-423-267-5363