

COMBUSTION ENGINEERING SOLUTIONS

A Division of Applied Thermal Coatings, Inc.

ENGINEERING

METALLURGY

HEAT TREATMENT

COATINGS

WHO WE ARE

ATC-CES offers fully-integrated asset lifecycle management solutions across your power plant and beyond. We have complete in-house execution capability to design and execute custom-fit thermal turnkey service solutions for your power plant or industrial process applications.

We specialize in service solutions for boilers, HRSGs & steam turbines and have world class engineers with skills and capability ranging from component design, field diagnostics, state of the art metallurgical testing and service, welding engineering solutions right through to final disposition and repair.

WHY WE ARE YOUR IDEAL PARTNER

ATC-CES has a wealth of experience to deliver bespoke, cost effective solutions for you:



Our expert teams possess both the know-how and know-why, meaning they understand your plant as well as the OEMs.



We have the key expertise to keep your fleet running reliably with our in-house capabilities related to plant metallurgy, welding and manufacturing engineering.



Our goal is not to sell replacement parts, but to engineer cost effective solutions that drive reliability and flexibility into your plant.



We address your problems promptly and efficiently so you save time and money.

CLIENTS

We work with smart clients who outsource to experts their non-recurring, specialized or problematic projects.

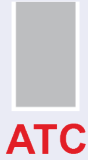


Visit us at
www.atc-ces.com



Call us:
+1 423 267 0647





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OUR INTEGRATED OFFERING

ENGINEERING ASSESSMENT & DESIGN

- Boiler/HRSG design and analysis
- Pressure part design
- Piping system analysis
- Fitness for service/FEA analysis
- Structural steel design
- Duct design
- Project management
- Material supply
- Construction consultation

METALLURGICAL, WELDING, ENGINEERING SERVICES

- Failure analysis & RCA
- Condition assesment & remaining life
- Advanced characterization of CSEF steels (Gr 91, 92)
- Material characterization
- Mechanical properties testing
- Welding engineering services
- Welding repair technology
- NDE inspections and replications
- Consulting / codes / standards
- Creep and corrosion testing

COATINGS

- Diffusion
 - Chromizing
 - Aluminizing
 - Boronizing
- Thermal spray
- Plasma transfer arc

HEAT TREATMENT SERVICES

- Annealing
- Normalizing / Tempering
- Quench / Tempering
- Strees relief
- Post weld heat
- Treatment
- Solution annealing
- Flame hardening

LEADERS

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The Materials Information Society



OUR MISSION

We strive to support the commercial success of our clients by providing superior technical services and problem-solving capabilities covering all mechanical design and materials-related issues in as timely and cost-effective manner as possible.

OUR EXPERIENCE DELIVERS FAST AND EFFECTIVE SOLUTIONS YOU CAN RELY ON!



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