

HEATING SURFACE REPLACEMENTS

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OVERVIEW

BABCOCK POWER INC. is a group of business units that have been strategically assembled and integrated as a single-source supplier of advanced technology, energy products, and elite professionals that embody our core values of safety, integrity, quality, and invention—with services as diverse as the customers we serve.

With expertise in OEM products for the power industry, the teams within our business units work together to tackle critical situations that can include the replacement of heating surface components that often lead to costly emergency plant shutdowns. Because of this integrated team effort, Babcock Power has the ability to provide turnkey products and services that are second to none.

We are a global leader in the field, and we take that reputation seriously. Through our combined experience of industry excellence, we work every day toward a common goal of providing our customers around the world with cutting edge solutions to repair and improve their plant operations.

BENEFITS

- At Babcock Power, our greatest strength comes from our integrated business units. Working together under one lead project manager, our teams at Vogt Power International, Boiler Tube Company of America, and TEiC Construction Services (TEiC) combine to find effective turnkey solutions for heating surface replacements.
- A single source with multi-expertise: Vogt Power International engineers the exact heat surface replacement solution; Boiler Tube Company of America manufactures it; TEiC installs it. Babcock Power offers our customers a unified contract packed with the experience and know-how that our competition isn't able to provide.
- With extensive OEM experience, Babcock Power offers “start-to-finish” assistance that can include budget estimates and supporting the customer to determine formal RFQ requirements.



Inspection of External Penetration Hot Spot



Stack Corrosion Inspection

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If Flow Accelerated Corrosion (FAC) occurs, it can attack heat transfer sections within a Box. These features enable timely, expert replacement service:

- **RESOLVE TUBE LEAKS AND FAILURES FAST** — FAC can attack heat transfer sections and can cause emergency shutdown situations. Babcock Power teams have the expertise to analyze the situation, design a dependable solution, and get it taken care of fast.
- **MAXIMIZE PERFORMANCE WITH IN-KIND GEOMETRY** — The Babcock Power team can engineer, design, procure, fabricate, deliver and install a superior new heating surface.
- **UPGRADE TUBE MATERIAL** — The Babcock Power company, Vogt Power International, can engineer a superior upgrade of tube material from carbon steel to P22 alloy. This can be accomplished while maintaining existing steam production.
- **REDUCE THE RISK OF FAC** — The upgraded material provides a long-term solution by lowering the possibility of FAC episodes. Thus the situation is resolved and the future is protected.



SAFETY³ PEOPLE. POWER. PROJECTS.

We're giving safety the third degree.

Babcock Power Inc. and its subsidiaries place the safety, health and security of our people at the core of our company values. Our team is our most valuable resource, generating solutions everyday to deliver safe, clean, reliable energy globally. With a keen focus on safety, Babcock Power Inc. conducts business in a manner that protects our people, our customers and the environment. From innovation to generation, we are proud of our award-winning safety record and are committed to operating with integrity and excellence.

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