

# INSPECTION SERVICES

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**Vogt Power**  
International  
a Babcock Power Inc. company

From a routine inspection to unplanned operational outages, Vogt is the OEM with the engineering know-how to execute a safe and comprehensive inspection plan.

## ANNUAL INSPECTIONS IDENTIFY

- Safety issues
- Reliability issues
- Equipment in need of repair or monitoring
- Technology upgrade opportunities
- Performance improvement opportunities

## SERVICES

- Annual base visual inspection
- Videoscope
- Flow Accelerated Corrosion (FAC) program
- Ultrasonic Thickness (UT) testing
- Tube sample and failure analysis
- Metallurgical and sample analysis
- High energy piping
- Multi-year and fleet agreements

## TYPICAL SCOPE

- Inspection preparation and outage planning meeting
- Ductwork, casings, expansion joints and pipe penetrations will be inspected for hot spots and damage
- Drums, steam separator and pressure parts for integrity and water level control
- Spot UT checks of riser piping, drum belly plates and separators for erosion or corrosion issues
- Burners, structural steel, foundations and distribution grids for degradation and integrity
- Insulation liner, casing, pipe hangers, spring cans and other accessible areas
- Access lanes, stack and breeching areas for integrity, buildup, corrosion
- Catalyst system for integrity, sealing issues and plugging
- Tube and finning conditions including leaks, corrosion and fouling
- Equipment and instrumentation
- Overview of water chemistry concerns
- Comprehensive inspection report and exit interview



External Penetration Hot Spot



Stack Corrosion

**Contact a Vogt Account Manager to assist with your outage requirements and develop a proposal. At time of order Vogt locks in your outage dates and puts you in direct contact with our inspector. They specifically run through your site safety protocols and requirements.**



**VOGT POWER INTERNATIONAL INC.**, a Babcock Power Inc.® company has a rich history in replacing HRSG components and understands the HRSG failure mechanisms from operational cycling, duct firing, and under deposit corrosion. Vogt Power's Aftermarket Services is committed to serve the needs of HRSG users in maintaining and operating their equipment in the ever-changing power market. Our goal is complete customer satisfaction through effective communication and teamwork. The results of such an approach are evident in our growing number of repeat customers.

Vogt Power offers Aftermarket products and services for all OEM HRSGs. Our core competencies lie in turnkey HARP replacements, distribution grid or baffle retrofits, plant heat rate improvements, safety upgrades and engineering studies. Vogt Power offers domestic pressure part fabrication and construction services through our Babcock Power sister companies, Boiler Tube Company of America and TEiC Construction Services. In addition, Vogt Power has excellent vendor alliances offshore for high quality and cost competitive fabrications. We provide a seamless project execution experience across our companies and through these alliances.

Vogt also offers services to assess the general condition of the HRSG through regular, FAC or high energy piping inspections and life expectancy studies. Our Parts department can provide replacement or spare parts for the plant including a 2-year spare parts list with typical consumables.

**Contact Vogt Power International Aftermarket products at 1.888.VOGTPWR or email: [aftermarket@vogtpower.com](mailto:aftermarket@vogtpower.com).**



Attemperator

SAFETY<sup>3</sup> 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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