

# Heat Recovery Steam Generators

Design, upgrades, manufacturing, service and replacement components

*Building on more than 150 years of experience in steam generation, Babcock & Wilcox (B&W) Chanutte combines our proven industry experience and expertise in thermal technology to provide advanced Heat Recovery Steam Generator (HRSG) technologies.*

B&W and our licensees have supplied more than 300 HRSGs worldwide, since designing and supplying our first waste heat recovery boilers in the 1950s. Today, combined with the team from Chanutte, we provide reliable systems, upgrades and replacement components suitable for a wide range of combustion turbine applications.

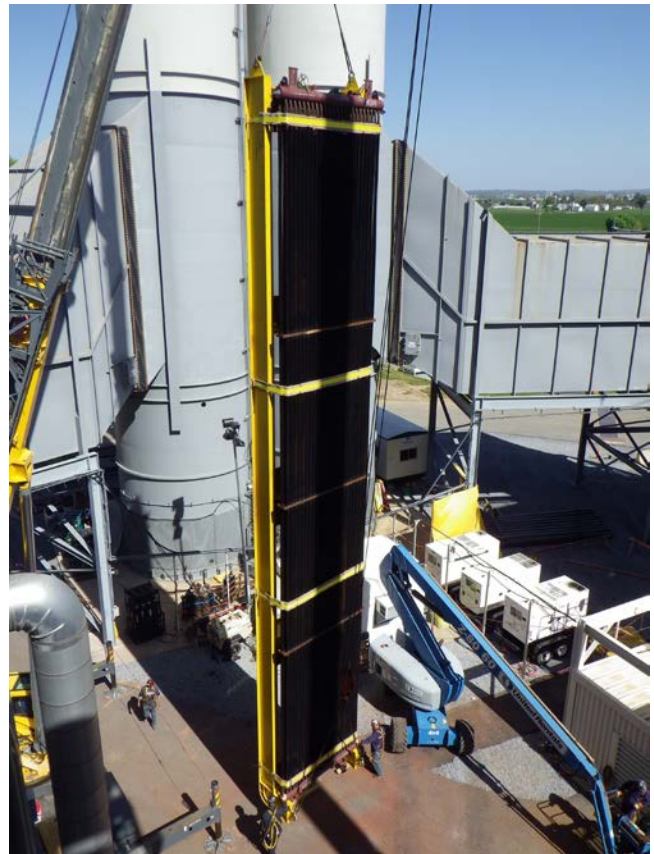
With more than 40 years of experience and expertise in the HRSG sector, you can rely on quality craftsmanship delivered from our team of engineering, production and project management experts.



## HRSG COMPONENT CAPABILITIES

B&W provides a wide range of quality, custom fabricated HRSG components, including:

- Pressure part modules
- HARPs / high-pressure evaporator coils
- Superheaters, economizers
- Evaporative surface
- Finned tubing
- Headers
- Casing
- Inlet ducting
- HP, IP and LP steam drums
- SCR/CO catalyst housing and frames



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## Modular HRSG components and HARPs

B&W designs and manufactures both modular components for small and mid-sized HRSGs and individual coils or HARPs for large frame combined cycle units. We can also provide in-kind replacement pressure parts or engineered upgrades to correct material failure or operating problems for improved heat transfer, plant efficiency and reliability.



## Headers

We have over 33 years of industry-leading experience in the custom fabrication of HRSG headers and manifolds. We manufacture premium HRSG headers and manifolds for the most common joint styles used throughout the industry.



Our engineers can also provide upgraded replacement headers to resolve operating and mechanical issues. Flow Accelerated Corrosion (FAC) can often be resolved by utilizing new material types to improve reliability and extend the life of the component. Our engineers are qualified to evaluate flow distribution, thermal expansion and perform applicable code calculations.

## Finned tubes

Finned tubes (or fintubes) are a critical component at the heart of virtually every heat recovery system. To deliver maximum heating performance and efficiency, HRSG finned tubes require complex custom designs and precision fabrication capabilities. Our premium finned tubes are meticulously produced to exacting customer specifications, for fit, functionality and reliability.



## Custom casing and inlet ducting

Our experience in custom manufactured casing solutions includes most types of internally insulated, floating liner designs used in the industry. Heavy steel fabrication equipment and overhead crane height provide sufficient capacity for the largest plates and components.



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For more information or to contact us, visit our website at [www.babcock.com](http://www.babcock.com).