

# B&W Products and Services

Babcock & Wilcox (B&W) • Allen-Sherman-Hoff (A-S-H) • Diamond Power • FPS • Vølund

Established in 1867, Babcock & Wilcox (B&W) is a global leader in renewable, environmental and thermal technologies, services and engineered solutions for a wide range of power and industrial applications.

## Decarbonization Technologies

BrightLoop™ chemical looping  
low-carbon hydrogen production

SolveBright™ post-combustion  
carbon capture

OxyBright™ oxy-combustion

BrightGen™ hydrogen  
combustion

Industrial, utility and community  
solar

Energy storage systems

## Applications

Power plants

Cogeneration

Pulp and paper mills

Petrochemical and oil and gas  
refineries

Iron and steel mills

Metals and mining

Cement plants

Waste-to-energy

Food processing

District heating and cooling

General industry and  
manufacturing

## Boilers, Steam Generators

Supercritical, ultra-supercritical  
and subcritical boilers

Waste-to-energy boilers

Biomass boilers

Fluidized-bed boilers (circulating  
and bubbling)

Process recovery boilers

Shop- or field-assembled water-  
tube package and industrial  
boilers

Heat recovery steam generators

Waste heat and sulfuric acid  
steaming equipment, packaged  
economizers

## Environmental Equipment

Flue gas desulfurization (wet, dry,  
circulating, seawater)

Dry sorbent injection

Powdered activated carbon  
injection

Electrostatic precipitators  
(wet, dry)

Fabric filters (baghouses)

Selective catalytic and non-  
catalytic NO<sub>x</sub> reduction systems

Zero liquid discharge spray dryers

## Auxiliary Boiler Equipment

Burners – low-NO<sub>x</sub> coal, natural  
gas, oil, black liquor

FPS® ignitors, scanners, valves,  
controls and level measurement  
equipment

Overfire air systems

Pulverizers

Combustion grates

Air heaters – tubular and  
regenerative

## Boiler Cleaning

Diamond Power® sootblowers

Water cleaning

Dual media cleaners

Recovery boiler port rodders,  
liquor gun stations and cleaners

Cameras and diagnostics

Replacement parts and upgrades

## Ash and Material Handling

Allen-Sherman-Hoff® bottom ash  
systems

Remote dewatering systems

Vacuum, pressure, and dense-  
phase fly ash conveying systems

Mechanical conveyors

Replacement parts and upgrades



continued ►

## Retrofits, Rebuilds, Upgrades and Replacement Parts

B&W's replacement parts and upgrade services are available for original equipment supplied by most manufacturers.

- Air system rebuilds
- Ash handling system replacement parts and upgrades
- Assured Stock Program® inventory management
- Balanced draft conversions
- Circulation upgrades
- Coal pipes and valves
- Cyclone furnace replacement
- DynaGrate® combustion grates
- Environmental equipment replacement parts and upgrades
- Expansion joints, flues and ducts
- Fuel conversions and repowering
- Furnace pressure increases
- Pulverizer/mill component rebuilds, upgrades and replacement parts
- Sootblower parts and upgrades



View and download any of our product and service literature from our website using this QR code.

## Pressure Parts

- Boiler furnace walls and openings
- Boiler tubing
- Composite/weld overlay panels
- Economizers
- Superheaters and reheaters
- Steam drums, headers and attemperators

## Plant Optimization Systems and Controls

- Advanced diagnostic systems
- Cameras, sensors, temperature monitoring and gauges
- Control systems
- EvenFlow™ coal flow balancing system
- Flame Doctor® combustion diagnostic system
- FocalPoint™ combustion tuning and optimization
- Heat Transfer Manager® software
- Titanium® sootblowing controls and intelligent cleaning systems

## Construction

- Deliver and erected (D&E) project execution
- General mechanical contractor
- Construction and engineering technology
- Plant maintenance programs
- Refinery turnaround services

## Engineering and Other Services

- Capacity assessment, upgrade and uprate studies
- Circulation and cycling analyses
- Combustion flow modeling
- Commissioning and start-up services
- Condition assessment and unit performance studies
- Laboratory corrosion and failure analysis
- Engineering studies
- Field engineering services
- Operation and maintenance
- Technical training



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RENEWABLE | ENVIRONMENTAL | THERMAL

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