As a technology innovator, Babcock & Wilcox (B&W) provides a comprehensive package of engineered solutions for a wide range of applications.

Established in 1867, we are a global leader in advanced energy and environmental technologies and services for the power, renewable and industrial markets.
The industries we serve are wide and varied, and include:

- Power Utilities
- Pulp & Paper
- Natural Gas/Combined Cycle
- Refinery & Petrochemical
- Metals & Mining
- Pharmaceutical
- Chemicals
- Cement
- Iron & Steel
- Automotive
- Food & Beverage
- Hospitals & Universities
- General Industry/Manufacturing
Steam for Power and Process

With more than 300,000 MW of generating capacity in approximately 60 countries, B&W’s heritage is built on steam generation. We also have sold and installed more than 5000 industrial steam boilers for a wide range of process applications.

From the initial patent for the water-tube safety boiler to the world’s first supercritical boiler to technologies using the latest advanced steam cycles, our robust designs deliver availability and long-term operation.

Our boilers serve the diverse needs of power utilities and industry by providing reliable steam generation from a variety of fuels, including coal, oil, gas, biomass, refuse and waste fuels.
Renewable Energy

When B&W Vølund developed its first waste-to-energy plant in 1930, it revolutionized waste-disposal techniques. Since then, B&W has grown to become one of the world's leading suppliers of equipment and technologies that turn solid waste and biomass into thermal energy.

As a renewable fuel, biomass is CO₂-neutral. Our experience includes a wide range of fuel sources, including sawdust, wood and wood waste, wood chips, stover, peat, bark chips, straw and other opportunity fuels.
Waste-to-energy (WTE) is a vital part of a strong and sustainable waste management chain. As a critical component of a circular economy and fully complementary to recycling, it is an economically and ecologically sound way to provide a source of energy while diverting waste from landfills.

Our WTE technology, developed and improved over the last 80 years, has been used in more than 500 applications – engineered, tested and proven to offer real and lasting benefits.
Boiler Cleaning

There’s a reason seven out of ten power plants feature B&W’s Diamond Power® sootblowers.

Using superheated or saturated steam, compressed air or water, Diamond Power boiler cleaning components and systems are trusted to remove deposits, reduce plugging of gas passes, and maintain boiler efficiency. Our component and system designs meet customer needs for precision, reliability, efficiency and long-term operation.

Controls and Diagnostics

B&W provides integrated control systems for a wide range of power plant operations, including comprehensive software for boiler, environmental and auxiliary equipment optimization.

Boiler monitoring cameras, along with advanced controls and monitoring systems for boiler cleaning, intelligent sootblowing, ash handling, cooling systems, electrostatic precipitators, and process diagnostics and optimization systems for combustion and emissions are also available.
Ash and Material Handling

B&W’s Allen-Sherman-Hoff® bottom and fly ash systems are reliable and cost-effective alternatives to ash storage ponds and help to minimize use of process water. Engineered systems include dry and wet bottom ash conveyor systems, remote dewatering systems and a wide range of pneumatic transport systems.

B&W Loibl provides a range of solid fuel conveyance and in-feed technologies to transport and process fuel for power, heat and process steam generation.

Our bulk material transport solutions range from single conveyor belts to complete customized systems and serve a wide range of material handling needs in many industries.

Cooling Systems

B&W SPIG provides an extensive range of turnkey cooling system solutions. Our experience includes wet, dry and hybrid cooling systems as dictated by site-specific requirements. We can supply both mechanical and natural draft systems and design for a wide range of project specifications such as high seismic loads, vibration control, corrosion, noise control, plume abatement, sub-freezing operation, and sea water use.
Air Emissions Control

B&W is an innovator and industry leader in providing advanced air emissions control and energy recovery equipment and technologies for power plants and industrial processes. Our engineered solutions control a wide range of pollutants and emissions, such as acid mists and gases including hydrogen chloride (HCl) and sulfur oxides (SO$_x$), particulates, nitrogen oxides (NO$_x$), carbon monoxide (CO), mercury, and other hazardous air pollutants (HAPs).

Multi-pollutant control strategies are integrated to optimize overall plant emissions levels and help meet air emissions requirements.
Modifying, improving and maintaining existing equipment are vital considerations for the long-term viability and profitability of all operations. B&W provides a comprehensive mix of products, replacement parts and services to support optimized equipment and system operation and reliability, regardless of original manufacturer.

An extensive network of worldwide regional service centers, field service engineers and technical support personnel are available to provide the customized service and aftermarket solutions for your requirements.

Our capabilities also include expert equipment installation and construction services.
B&W is Energy. B&W is Environmental.

**OUR VISION**
To be innovators and partners, trusted for excellence.

**OUR MISSION**
B&W delivers environmentally conscious, technology-driven solutions and services to energy and industrial customers worldwide – safely, ethically and as promised.

**OUR CORE VALUES**
- Safety
- Integrity
- Quality
- Respect
- Agility
Established in 1867, Babcock & Wilcox is a global leader in advanced energy and environmental technologies and services for the power, industrial and renewable markets. For more information or to contact us, visit our website at www.babcock.com.

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