

BABCOCK & WILCOX

COMPANY OVERVIEW

MARCH 15, 2023







SAFE HARBOR STATEMENT

B&W Enterprises cautions that this presentation contains forward-looking statements within the meaning of federal securities laws. All statements other than statements of historical or current fact included in this presentation are forward-looking statements, including, without limitation, statements relating to the company's business outlook and expected financial performance, including adjusted EBITDA and sales targets, expectations regarding future growth, expansion and profitability, as well as statements a bout B&W's future pipeline of new projects and business within its Renewable, Environmental and Thermal operating segments and their impact on future shareholder value. These forward-looking statements are based on management's current expectations and involve a number of risks and uncertainties, including, among other things, the impact of global macroeconomic conditions, including inflation and volatility in the capital markets; the impact of the ongoing conflict in Ukraine; our ability to integrate a cquired businesses and the impact of those acquired businesses on our cash flows, results of operations and financial condition, including our recent acquisitions of Babcock & Wilcox Solar Energy, Inc. ("Babcock & Wilcox Solar"), formerly known as Fosler Construction Company Inc. and/or Fosler, Babcock & Wilcox Renewable Service A/S, formerly known as VODA A/S ("VODA"), Fossil Power Systems, Inc. ("FPS"), Optimus Industries, LLC ("Optimus") and certain assets of Hamon Holdings Corporation ("Hamon"); our recognition of any asset impairments as a result of any decline in the value of our assets or our efforts to dispose of any assets in the future; our ability to obtain and maintain sufficient financing to provide liquidity to meet our business objectives, surety bonds, letters of credit and similar financing; our ability to comply with the requirements of, and to service the indebted ness under, our debt facility a greements; our a bility to pay dividends on our 7.75% Series A Cumulative Perpetual Preferred Stock; our a bility to make interest payments on our 8.125% senior notes due 2026 and our 6.50% notes due 2026; the highly competitive nature of our businesses and our a bility to win work, including identified project opportunities in our pipeline; general economic and business conditions, including changes in interest rates and currency exchange rates; cancellations of and adjustments to backlog and the resulting impact from using backlog as an indicator offuture earnings; our ability to perform contracts on time and on budget, in accordance with the schedules and terms established by the applicable contracts with customers; failure by third-party subcontractors, partners or suppliers to perform their obligations on time and as specified; delays initiated by our customers; our a bility to successfully resolve claims by vendors for goods and services provided and claims by customers for items under warranty; our ability to realize anticipated savings and operational benefits from our restructuring plans, and other cost-savings initiatives; our a bility to successfully address productivity and schedule issues in our B&W Renewable, B&W Environmental and B&W Thermal segments; our a bility to successfully partner with third parties to win and execute contracts within our B&W Environmental, B&W Renewable and B&W Thermal segments; changes in our effective tax rate and tax positions, including any limitation on our ability to use our net operating loss carryforwards and other tax assets; our ability to successfully manage research and development projects and costs, including our efforts to successfully develop and commercialize new technologies and products; the operating risks normally incident to our lines of business, including professional liability, product liability, warranty and other claims against us; difficulties we may encounter in obtaining regulatory or other necessary permits or approvals; changes in actuarial assumptions and market fluctuations that affect our net pension liabilities and income; our a bility to successfully compete with current and future competitors; our a bility to negotiate and maintain good relationships with labor unions; changes in pension and medical expenses associated with our retirement benefit programs; social, political, competitive and economic situations in foreign countries where we do business or seek new business; the impact of COVID-19 or other similar global health crises, and the other factors specified and set forth under "Risk Factors" in our periodic reports filed with the Securities and Exchange Commission, including, without limitation, the risks described in the Company's Annual Report on Form 10-K for the year ended December 31, 2022 under the caption "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" (as applicable). These factors should be considered carefully, and B&W Enterprises cautions you not to place undue reliance on these forward-looking statements, which speak only as of the date of this presentation, and undertakes no obligation to update or revise any forward-looking statement, except to the extent required by a pplicable law.

Non-GAAP Financial Measures

This presentation contains information regarding our a djusted EBITDA, which is a non-GAAP financial measure. Adjusted EBITDA on a consolidated basis is defined as the sum of the adjusted EBITDA for each of the segments, further adjusted for corporate allocations and research and development costs. At a segment level, adjusted EBITDA presented is consistent with the way our chief operating decision maker reviews the results of operations and makes strategic decisions about the business and is calculated as earnings before interest expense, tax, depreciation and amortization adjusted for items such as gains or losses arising from the sale of non-income producing assets, net pension benefits, restructuring costs, impairments, gains and losses on debt extinguishment, costs related to financial consulting, research and development costs and other costs that may not be directly controllable by segment management and are not allocated to the segment. We present consolidated Adjusted EBITDA because we believe it is useful to investors to help facilitate comparisons of our ongoing, operating performance before corporate overhead and other expenses not attributable to the operating performance of our revenue generating segments. In this presentation, we also present certain targets for our adjusted EBITDA in the future; these targets are not intended as guidance regarding how we believe the business will perform. We are unable to reconcile these targets to their GAAP counterparts without unreasonable effort and expense due to the aspirational nature of these targets.

WE'RE A GLOBAL ENERGY LEADER CREATING A BRIGHTER FUTURE

Providing high quality and innovative technologies since 1867

- From our first patent for a more efficient boiler to more than 17,000 patents since, we continue to drive innovation and change
- Today, we are a globally recognized technology leader and innovator at the forefront of the energy transition

Ensuring energy security for customers and the world

- Helping utility and industrial customers with the technical challenges of moving from current to future energy sources
- Delivering systems, parts and field services to help utility and industrial plants operate more effectively and efficiently

Making net-zero ambitions a reality today

 Our waste- and biomass-to-energy, carbon capture, hydrogen production and environmental technologies support the reduction of greenhouse gases, including CO₂ and methane, in an environmentally friendly way





WE'RE HELPING CUSTOMERS CREATE CLEAN AND RELIABLE ENERGY

BABCOCK & WILCOX RENEWABLE

CLEAN ENERGY SOLUTIONS

SUPPORTING A CIRCULAR ECONOMY

Ecologically sound ways of using and recycling resources like biomass, municipal waste, and solar energy to create clean, renewable baseload power while reducing greenhouse gas emissions.



REDUCING THE IMPACT OF GREENHOUSE GAS EMISSIONS

Hydrogen production, carbon capture, ash handling, cooling systems, energy recovery and storage, and advanced emissions control solutions to help preserve the world's natural resources.



CREATING RELIABLE AND EFFICIENT STEAM GENERATION

Providing boilers and related equipment, aftermarket parts, service and upgrades to help utilities and industries generate reliable thermal energy from a wide range of fuels and bridge the gap during the global transition to new energy sources. DELIVERING VALUE THROUGH TECHNOLOGY-DRIVEN PRODUCTS AND SERVICES, WITH CONTINUAL PRODUCT IMPROVEMENT AND ROBUST R&D EFFORTS TO SUPPORT FUTURE ENERGY NEEDS

THE FOUNDATION OF OUR COMPANY

Our Vision:

Advancing energy and environmental solutions that bring power and progress to our world.

Our Mission:

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

Our Core Values: Safety • Integrity • Quality • Respect • Agility

WE'RE LEADING AND DRIVING **CLEAN POWER SOLUTIONS**



U.S. Inflation Reduction Act increases the investment into low carbon intensity solutions and hydrogen production



Energy trade disruptions around the world require increased use of available natural resources and reliable energy



Global drive toward renewable and reusable energy sources to limit carbon and methane emissions



Water scarcity and environmental regulations drive need for custom cooling solutions

B&W SUPPORTS GLOBAL TRENDS DRIVING THE NEED FOR **SUSTAINABLE ENERGY CONVERSION SOLUTIONS**



E.U. Net-Zero Industry Act accelerating investment in solar, energy storage and carbon capture



A strong utility and industrial boiler installed base creates stable aftermarket in the U.S. and continued growth in international power generation

WE'RE DRIVING GROWTH, INNOVATION AND EXPANSION

OPPORTUNITY	INNOVATION			
Meet the global need for carbon reduction and greenhouse gas reduction with patented renewable waste-to-energy, biomass, hydrogen production, solar and carbon-capture solutions	Provide best-in-class environmental technologies across a broad array of markets to meet growing environmental regulations and climate goals			
GROWTH	EXPANSION			
Leverage tailwinds created by government tax incentives and global climate investment strategies to drive sales of innovative energy transition technologies and services	Utilize experienced sales, service and business development teams in key international regions to serve the growing renewable, environmental and thermal markets			

FOCUSED ON DRIVING INNOVATIVE ENVIRONMENTAL, **RENEWABLE AND** ENERGY TRANSITION TECHNOLOGIES, GROWING AFTERMARKET SALES BY LEVERAGING THE INSTALLED BASE, AND EXPANDING **INTERNATIONALLY IN KEY REGIONS**

CORE GROWTH STRATEGIES

WE'RE LEVERAGING A VAST INSTALLED BASE AND PROVEN TECHNOLOGIES









- More than 500 waste-to-energy and biomass-to-energy units at 300+ facilities globally
- > Serving utility, waste management, municipality and investment firm customers
- Extensive expertise in managing and executing both utility-scale and community solar projects



- Large worldwide installed base of wet and dry scrubbers for SOx reduction, particulate control equipment, NOx reduction technologies, and mercury control systems to meet environmental regulations
- Flue gas pre-treatment technologies for use with CO₂ capture
- Nearly 2,000 wet, dry and hybrid cooling system units (10,000+ cells) installed globally



- More than 300 operating utility and industrial boiler units in the U.S. and nearly 200 operating utility and industrial boiler units across 38 countries outside of North America (excluding waste-to-energy and biomass)
- More than 5,000 industrial water-tube package boilers and other waste heat recovery products installed in a variety of facilities, including refining, petrochemical, food processing, metals and mining, carbon black and wood products

A VAST GLOBAL INSTALLATION OF B&W'S CORE TECHNOLOGIES AT UTILITY AND INDUSTRIAL PLANTS, RENEWABLE PLANTS AND PULP & PAPER FACILITIES CREATE A LARGE GROWTH OPPORTUNITY FOR PARTS, SERVICES AND RETROFITS

BABCOCK & WILCOX PROFILE

CORPORATE SNAPSHOT	
Headquarters:	Akron OH, USA
Founded:	1867
Ownership:	Public (NYSE:BW)
Employees:	~2150
LTM Revenue December 2022:	~\$890M
LTM Adjusted EBITDA:	\$72.4M
2023 EBITDA Target:	\$100M to \$120M ²

CONSOLIDATED



B&W RENEWABLE



B&W ENVIRONMENTAL







Notes: All charts based on LTM December 31, 2022 revenues, unless otherwise noted. 1. Backlog does not include shorter lead-time parts and services. 2. The most comparable GAAP target is not available without unreasonable effort. Disclaimer: B&W Enterprises cautions not to place undue reliance on any forward-looking statements, which speak only as of the date of this presentation and may be impacted by the risks described in our SEC reports including, without limitation, the impact of COVID-19 on us and the capital markets and global economic climate generally. We undertake no obligation to update or revise any forward-looking statement, except to the extent required by applicable law.

A SOLID PIPELINE OF GLOBAL OPPORTUNITIES



BRIGHTLOOP[™] HYDROGEN PRODUCTION



SOLID ADVANTAGES:

- Hydrogen from solid fuels can utilize a variety of solid or gaseous fuels as feedstock
- High rate of carbon captured inherent CO₂ isolation without the need for expensive carbon capture equipment
- Competitive hydrogen cost lower levelized cost of hydrogen when compared to other hydrogen production methods
- Scalable for a range of applications accommodates both large and small applications

BRIGHTLOOP[™] HYDROGEN PRODUCTION PROGRESS

BRIGHTLOOP[™] EVOLUTION



BABCOCK & WILCOX ENTERPRISES, INC.

GLOBAL LEADER IN CLEAN POWER PRODUCTION TECHNOLOGIES — OUR CLIMATEBRIGHT[™] SUITE





- B&W is at the forefront of developing CO₂ capturing technologies
- Multiple technologies ready for commercial demonstration
- 93 active patents related to carbon capture technology
- Positioned to provide critical solutions to meet global climate goals

B&W'S PORTFOLIO OF CLEAN POWER PRODUCTION SOLUTIONS CONTINUES TO EVOLVE TO REACH CUSTOMERS AT ALL STAGES OF THEIR ENERGY TRANSITION.

GLOBAL LEADER IN COMPREHENSIVE WASTE-TO-ENERGY SOLUTIONS



1 3 K 7 3

NET-NEGATIVE CARBON INTENSITY FOR BIOMASS AND MUNICIPAL SOLID WASTE

OxyBright with B&W's biomass-fired BFB boiler produces carbon negative electricity with a -**2,500**gCO₂e/kWh carbon intensity

OxyBright with B&W's WtE solution could produce carbon negative electricity with a -**1,000** gCO₂e/kWh carbon intensity

Our negative carbon intensity (-2500 gCO_2e/kWh) is nearly seven times more negative than the US grid is positive (+373 gCO_2e/kWh)



B&W'S WASTE-TO-ENERGY TECHNOLOGY REDUCES METHANE EMISSIONS

- Methane has 84 times the Global Warming Potential (GWP) of CO₂ⁱ
- Annual additions to landfills in the U.S.ⁱⁱ produce emissions equivalent to **10 million cars**
- Landfills in the U.S.ⁱⁱⁱ emit more than 330 million tons of 20year basis GWP each year, roughly equal to 70 million cars^{iv}
- Waste-to-Energy (WTE) avoids landfilling while producing baseload clean energy

- B&W's state-of-the-art technology has been installed in more than 500 units in more than 30 countries, including:
 - The most recent WTE facility in the U.S. (Palm Beach Renewable Energy Facility, Florida)
 - One of the world's largest waste treatment facilities in the world (Shenzhen East, China)



ENEWABLE

BABCOCK & WILCOX





WTE TECHNOLOGIES

- Boiler/steam generation island
- DynaGrate[®] combustion grate
- Fuel handling systems
- Emissions control equipment

1 ton of waste in a LANDFILL emits 3.42 metric tons of global warming potential



Landfill methane is **84 times** as potent as CO₂.

FACILITY emits .001 metric tons of global warming potential

1 ton of waste in a WASTE-TO-ENERGY



Reduced to .03% of Landfill GWP

B&W IS ACTIVELY DEPLOYING TECHNOLOGY THAT CURBS THE GLOBAL WARMING IMPACT OF METHANE

Anthropogenic and Natural Radiative Forcing. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S.K. Allen, J. Boschung, A. Nauels, Y. Xia, V. Bex and P.M. Midgley (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA. <u>https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_Chapter08_FINAL.pdf;</u> 20-year basis # EIA Biomass Explained: Waste-to-energy (Municipal Solid Waste), November 29, 2020 <u>https://www.eia.gov/energy.explained/biomass/waste-to-energy.php</u>

EPA Landfill Methane Outreach Program: Project and Landfill Data by State; https://www.epa.gov/imop/project-and-landfill-data-state#...text=The%201MOP%20Landfill%20and%20Landfill.more%20than%202%2C600%20MSW%20landfills and EPA U.S. Greenhouse Gas Inventory 2020, Chapter 7: Waste, Section 7.1 Landfills (CRF Source Category 5A1)

^w Equivalent car emissions calculated using EPA metric of 4.6 metric tons of CO2 per year per passenger car



FINANCIAL INFORMATION

CONSOLIDATED FINANCIAL SUMMARY

(\$ in millions)	Twelve M <u>Decemb</u>	onths Ended <u>er 31, 2022</u>	Twelve Mor <u>December</u>	nths Ended <u>31, 2021</u>	Twelve Months <u>December 31,</u>	Ended <u>2020</u>
Revenue	\$	889.8	\$	723.4	\$	566.3
Operating Income (loss)	\$	(4.2)	\$	20.8	\$	(1.7)
Net Income (loss)	\$	(26.6)	\$	31.5	\$	(10.3)
Net income (loss) attributable to stockholders of common stock	\$	(37.7)	\$	21.8	\$	(10.3)
Adjusted EBITDA	\$	72.4	\$	70.6	\$	45.7
Adjusted EBITDA Margin %		8.1%		9.8%		8.1%

Note: 2020 Reported results include the recognition in Q3 2020 of a \$26.0 million non-recurring loss recovery settlement related to certain historical EPC loss contracts; figures may not be clerically accurate due to rounding; see SEC financial filings and/or slides in Appendix for reconciliation of non-GAAP measures; COVID-19 adversely impacted all segments in 2020 and 2021.

CAPITAL STRUCTURE

(\$ in millions)	As of December 31, 2022		
CAPITALIZATION:			
Total Debt	\$	353.00	
Cash, cash equivalents and restricted cash		113.50	
Net Debt	\$	239.50	
TOTAL DEBT LEVERAGE:			
LTM 12/31/2022 Adjusted EBITDA ⁽¹⁾		72.40	
Net Leverage ⁽²⁾		3.31x	
Note: Figures may not be clerically accurate due to rounding. (1) See SEC financial filings and/or slides in Appendix for reconciliation of non-GAAP measures. (2) Net Debt compared to LTM 12/31/2022 Adjusted EBITDA.			





APPENDIX

LEADERSHIP TEAM









Chairman and Chief Executive Officer

Kenny Young



Executive Vice President and Chief Financial Officer

Lou Salamone



Executive Vice President and Chief Operating Officer

Jimmy B. Morgan



Executive Vice President, General Counsel and Corporate Secretary

John J. Dziewisz



Chief Strategy and Technology Officer

BrandyJohnson



Vice President, Corporate Operations

Gillianne Hetrick



Senior Vice President, Clean Energy

Joe Buckler



Senior Vice President, Thermal

Chris Riker



Vice President, Corporate Development

CORPORATE GOVERNANCE

BOARD OF DIRECTORS



Chairman and Chief Executive Officer

KennyYoung



Henry Bartoli



Homa ira Akbari

ADVISORY BOARD

Rod O'Connor



JosephTato



Rebecca Stahl



Peter O'Keefe



Phillip Piddington



Alan Howe



Philip Moeller



Eric Powell

ADJUSTED EBITDA RECONCILIATION (1)

(\$ in millions)	Twelve Months Ended December 31, 2022 ⁽⁴⁾	Twelve Months Ended Dec 31, 2021	Twelve Months Ended Dec 31, 2020 ⁽³⁾		
Net income (loss)	\$ (26.6)	\$31.5	\$ (10.3)	1)	Adjusted EBITDA is a non-GAAP Measure; figures may not be
Interest expense	50.8	41.4	60.7		clerically accurate due to rounding
Income tax (benefit) expense	11.0	(2.2)	8.2	2)	Cost associated with development
Depreciation & a mortization	24.0	18.3	16.8		of commercially viable products t are ready to go to market.
EBITDA	59.2	89.0	75.4	10.	
Goodwillimpairment	7.2	- (
Benefit plans, net	(37.5)	(48.1)	(5.6)	3)	Adjusted EBITDA for the twelve
Gain on sales, net	(2.6)	(14.0)	(3.2)		months ended December 31, 2020, include the recognition of a
(Gain) loss on debt extinguishment		(6.5)	6.2		\$26.0 million loss recovery
Stock compensation	8.7	10.5	4.6		settlement related to certain historical EPC loss contracts in the
Restructuring activities and business services transition costs	8.5	10.7	11.8		third quarter, as previously disclosed.
Advisory fees for settlement costs and liquidity planning	1.5	5.5	6.4	4)	Adjusted FRITDA for the twelve
Litigation legal costs	10.7	4.9	2.1	.,	months ended December 31, 2022
Acquisition pursuit and related costs	5.5	4.8	-		gain on sale related to development
Contract Disposal (O&M)	3.0		-		rights of a future solar project that was sold.
Product development ⁽²⁾	4.1	4.7	-		
Foreign exchange	0.6	4.3	(58.8)		
Financial advisory services	1.4	2.7	4.4		
Contract step-up purchase price a djustment	1.7		-		
Loss from business held for sale		0.5	0.5		
Other-net	0.4	1.6	3.7		
Income from discontinued operations	-		(1.8)		
Adjusted EBITDA	\$72.4	\$70.6	\$45.7		



KEY TECHNOLOGIES AND CAPABILITIES

KEY TECHNOLOGIES: STEAM GENERATION





Utility Boilers

High pressure, high efficiency, high capacity, low emissions Fuel: Coal, oil, natural gas, multi-fuel



BABCOCK & WILCOX

WABLE

Waste-to-Energy Boilers

Reduces dependency on landfills and reduces methane gas emissions Fuel: MSW, RDF



Natural Gas-Fired and Other Industrial Water-Tube and Fire-Tube Boilers

Bottom- or top-supported, shop- or field-assembled Fuel: Natural gas, oil, CO, waste heat and gases



Heat Recovery Steam Generator Components Pressure parts, casing, ducting, drums, housing and frames Fuel: Waste heat and gases





Carbon-neutral technology Fuel: Wood, wood waste, straw, sludge



Process Recovery Boilers

Single-drum, industry-standard unit for improved mill operation Fuel: Black liquor



DYNAGRATE® COMBUSTION GRATE

- Large installed base with diverse set of customers
- Grate design allows for high availability and long operational time, leading to reduced O&M cost
- High thermal efficiency and low emissions
- Fuel flexibility
- Factory assembled modules reduce field construction

A MARKET LEADER WITH DIFFERENTIATING TECHNOLOGY IN WASTE-TO-ENERGY SOLUTIONS



KEY TECHNOLOGIES: EMISSIONS CONTROLS



PURPOSE	TECHNOLOGY SOLUTION	PURPOSE	TECHNOLOGY SOLUTION
Particulate Control	 Pulse Jet Fabric Filters (PJFF) / Baghouses Wet and Dry Electrostatic Precipitators (ESPs) Wet Particulate Scrubbers Multiclone[®] Dust Collectors 	Mercury, Dioxins, Furans	 Powdered Activated Carbon Injection Absorption Plus[™], MercPlus[™], Mitagent[™] Additives GMAB[™] ADIOX[®] and MERCOX[™] technologies
NO _x Control	 Selective Catalytic and Non-catalytic Reduction (SCR/SNCR) Low NO_X Burners and Combustion Systems 	Wastewater Elimination	 Wastewater Evaporation System (WES) via Spray Drying Air-Cooled Condensers
SO ₂ / Acid Gas Control	 Wet or Seawater Flue Gas Desulfurization (FGD) Systems Semi-dry FGDs (Spray Dry Absorbers, Circulating Dry Scrubbers) Wet ESPs and Dry Sorbent Injection (DSI) 	Pre-treatment for Post- Combustion Carbon Capture	 Wet and Dry Scrubbers, Sorbent Injection, ESP Fabric Filters, SCRs Complements SolveBright process, other post-combustion technologies
SO ₃ / Acid Mist Control	Wet ESPsDry Sorbent Injection (DSI)		



KEY TECHNOLOGIES: SUBMERGED GRIND CONVEYOR ASH HANDLING

IN THE REPORT OF T

Designated to meet current and future U.S. regulatory requirements for ash handling with:

- Lower equipment cost
- Lower installation cost
- Ability to utilize existing hoppers and gate valves
- No hopper modifications
- Short outage time
- Short lead time
- Available redundancy under the boiler
- Lower O&M costs



AN INNOVATIVE SOLUTION TO ELIMINATE ASH PONDS

KEY TECHNOLOGIES: FLUE GAS TREATMENT FOR CARBON CAPTURE

- To optimize carbon capture on solvent-based scrubbing technologies, reductions in various pollutants found in the incoming flue gas are required
- Our solutions include technologies for acid gases, particulate and acid mist, NO_x, mercury, and flue gas moisture



THE WORLDWIDE LEADER IN FLUE GAS PRE-TREATMENT TECHNOLOGIES FOR POST-COMBUSTION CARBON CAPTURE



BABCOCK & WILCOX

ENVIRONMENTAL

KEY TECHNOLOGIES: COOLING SYSTEMS







Water preservation technology customized for high-performance, long-life, low noise, corrosionresistant applications



AIR FIN COOLERS

Cost-effective designs using embedded or wrapped tubes to meet required thermal, mechanical, noise, and space requirements



DRY

OPTIMIZATION SERVICES

Specialized services to maximize plant performance and minimize costs and maintenance

KEY CAPABILITIES: GLOBAL PARTS & SERVICE





KEY TECHNOLOGIES: IGNITORS, FLAME SCANNERS AND CONTROLS

Designed for safety, reliability and fuel flexibility

- Natural gas conversions from oil- or coal-firing
- Alternative energy fuels such as hydrogen, bio-diesel, methanol, and bio-gas
- Burner management and controls for complete turnkey system capability
- Flame scanning capability can be effectively implemented on any industrial application
- Technologies can be utilized for new construction or retrofit projects
- Safety standards conforming to National Fire Protection Association (NFPA) classes

PROVEN TECHNOLOGIES WITH INSTALLATIONS IN MORE THAN 70 COUNTRIES, INCLUDING MORE THAN 11,000 IGNITORS









BABCOC

BABCOCK

KEY TECHNOLOGIES: ENGINEERED PRODUCTS AND HRSG COMPONENTS

ENGINEERED PRODUCTS AND SOLUTIONS, QUALITY MANUFACTURING

- Comprehensive mechanical and process design upgrades
- Chanute, Kansas, manufacturing facility has produced more HRSG components than any other facility in North America
 - Pressure part modules and coils, superheaters, economizers
 - Finned tubing
 - Casing
 - Ducting
 - Steam drums
 - Housing and frames
- Firetube and watertube package boilers
- Sulfuric acid plant capabilities

PROVEN EXPERIENCE IN HEAT TRANSFER AND STEAM GENERATING EQUIPMENT FOR USE IN A WIDE RANGE OF APPLICATIONS.



KEY CAPABILITIES: SOLAR INSTALLATION

ENGINEERING AND PROCUREMENT

- Project Cost Analysis
- Grid Integration and Interconnection
- Technical Evaluation
- Push-Pull Testing
- AC and DC Engineering
- Permitting and AHJ Permissions
- Logistics
- Strategic Procurement of Structural Components and Electrical BOE

BENEFITS OF A SOLAR ADDITION:

- 1. Powering up/down operations
- 2. Supplemental/plant energy source
- 3. Additional MW/GW output

INDUSTRY-LEADING

EPC SERVICES

High efficiency. Low emissions. Integrated solutions for clean power production.



CONSTRUCTION

- Subcontractor Management
- On-Site Construction Management
- Coordination and Supervision of Projects
- Utility Interconnections
- Quality and Commissioning Control
- Electrical and Structural QA/QC
- BOE

KEY TECHNOLOGIES: LONG DURATION ENERGY STORAGE

- B&W offers Pressurized or Atmospheric Fluidized Bed technology for long duration energy storage
- B&W also has an exclusive option to license NREL's Enduring long duration energy storage technology

NREL Enduring: (8-100 hours storage)

- Electric heater (stores heat in sand)
- Air Brayton Combined Cycle



LONG DURATION ENERGY STORAGE SMOOTHS RENEWABLE ENERGY PEAKS AND BRIDGES WEATHER EVENTS



BABCOCK & WILCOX

NEWABLE

