



COMPANY OVERVIEW

March 31, 2025

SAFE HARBOR STATEMENT

Babcock & Wilcox Enterprises, Inc. (“B&W Enterprises” or “B&W”) 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, outlook and expectations regarding B&W's BrightLoop™ technologies and statements about our support of net-zero, decarbonization and sustainable power ambitions, key technologies, as well as statements about 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: our financial condition and ability to continue as a going concern and that we have entered into a number of amendments and waivers to our Debt Facilities (as defined in our Annual Report on Form 10-K for the year ended December 31, 2024); our need of additional financing to continue as a going concern; any negative reactions to the substantial doubt about our ability to continue as a going concern by our customers, suppliers, vendors, employees and other third parties; risks associated with contractual pricing in our industry; our relationships with customers, subcontractors and other third parties; our ability to comply with our contractual obligations; disruptions at our or manufacturing facilities or a third-party manufacturing facility that we have engaged; the actions or failures of our co-venturers; our ability to implement our growth strategy, including through strategic acquisitions, which we may not successfully consummate or integrate; our evaluation of strategic alternatives for certain businesses and non-core assets which may not result in successful transactions; the risks of unexpected adjustments and cancellations in our backlog; professional liability, product liability, warranty and other claims; our ability to compete successfully against current and future competitors; our ability to develop and successfully market new products; the impacts of industry conditions and public health crises; the cyclical nature of the industries in which we operate; changes in the legislative and regulatory environment in which we operate; supply chain issues, including shortages of adequate components; failure to properly estimate customer demand; our ability to comply with the covenants in our debt agreements; our ability to refinance our 8.125% Notes due 2026 and 6.50% Notes due 2026 prior to their maturity; our ability to maintain adequate bonding and letter of credit capacity; impairment of goodwill or other indefinite-lived intangible assets; credit risk; disruptions in, or failures of, our information systems; our ability to comply with privacy and information security laws; our ability to protect our intellectual property and use the intellectual property that we license from third parties; risks related to our international operations, including fluctuations in the value of foreign currencies, global tariffs, sanctions and export controls could harm our profitability; volatility in the price of our common stock; B. Riley's significant influence over us; changes in tax rates or tax law; our ability to use net operating loss and certain tax credits; our ability to maintain effective internal control over financial reporting; our ability to attract and retain skilled personnel and senior management; labor problems, including negotiations with labor unions and possible work stoppages; risks associated with our retirement benefit plans; natural disasters or other events beyond our control, such as war, armed conflicts or terrorist attacks 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, 2024 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 applicable law.

Non-GAAP Financial Measures

Adjusted EBITDA on a consolidated basis is a non-GAAP metric 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 addition, the Company presents the non-GAAP financial measure of Adjusted EBITDA excluding BrightLoop™ and ClimateBright™. Management believes this measure is useful to investors because of the increasing importance of BrightLoop™ and ClimateBright™ to the future growth of the Company. Management uses EBITDA excluding BrightLoop™ and ClimateBright™ to assess the Company's performance independent of these technologies. 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

Helping to make net-zero ambitions a reality today

- Our hydrogen production, carbon capture, waste- and biomass-to-energy, 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



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.

REDUCING THE IMPACT OF GREENHOUSE GAS EMISSIONS

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

SUPPORTING A CIRCULAR ECONOMY

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

THE FOUNDATION OF OUR COMPANY



VISION:

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

MISSION:

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

CORE VALUES:

Safety • Integrity
Quality • Respect • Agility

WE'RE STRENGTHENING OUR BUSINESS TO ACHIEVE PROFITABLE GROWTH

- ▶ Increase focus on large thermal-growth projects and higher-margin aftermarket parts and services and continue to expand geographical presence in support of these markets
- ▶ Leverage our advanced thermal technologies to support fuel switching projects
- ▶ Convert anticipated global pipeline of more than \$7.6 billion of identified project opportunities into bookings, including over \$2.6 billion in BrightLoop™ and ClimateBright™ opportunities
- ▶ Continue to implement up to \$30 million in cost reductions associated with strategic realignment
- ▶ Strengthen balance sheet and evaluate strategic alternatives for non-strategic assets
- ▶ Utilize state and federal project-level financing to accelerate deployment of BrightLoop technology
- ▶ Execute paid front-end engineering and design studies to further drive ClimateBright and BrightLoop technology bookings



WE'RE LEVERAGING A VAST INSTALLED BASE AND PROVEN TECHNOLOGIES

Ensuring energy security

- More than 300 operating utility and industrial boiler units in the U.S. and nearly 200 operating utility and industrial boiler units across 40 countries around the world
- More than 5,000 industrial water-tube package boilers and other waste heat recovery products installed in a variety of facilities
- Average more than 500,000 U.S. Boilermakers' construction manhours per year over last five years
- One of the top five Boilermaker employers in the U.S. utility industry

Driving decarbonization

- Large worldwide installed base of wet and dry scrubbers for SO_x reduction, particulate control equipment, NO_x reduction technologies, and mercury control systems to meet environmental regulations
- Flue gas pre-treatment technologies for use with CO_2 capture

Supporting sustainable power

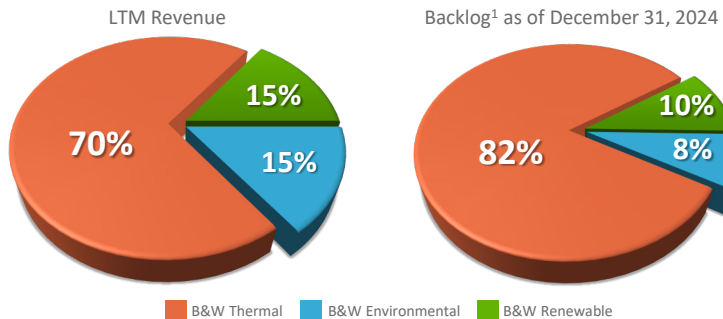
- More than 500 waste-to-energy and biomass-to-energy units at 300+ facilities globally (consuming over 61 million tonnes of waste per year) and a leader in plant availability
- Serving utility, waste management, municipality and investment firm customers

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

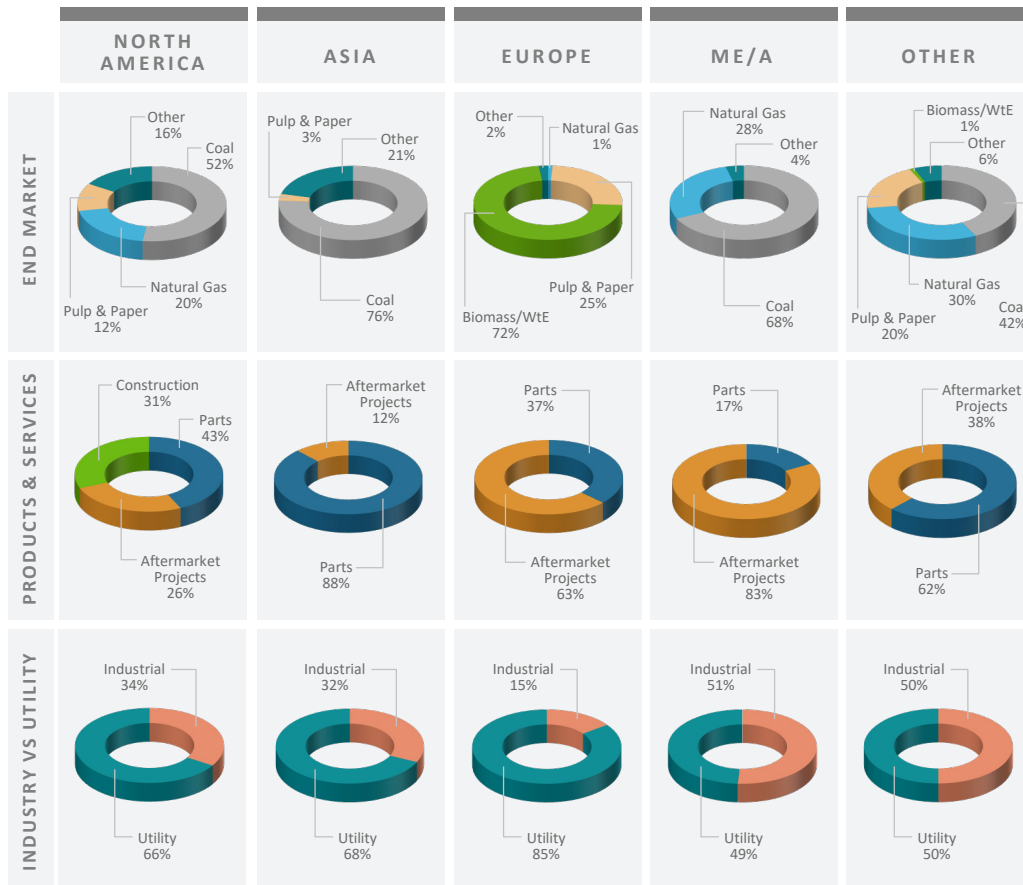
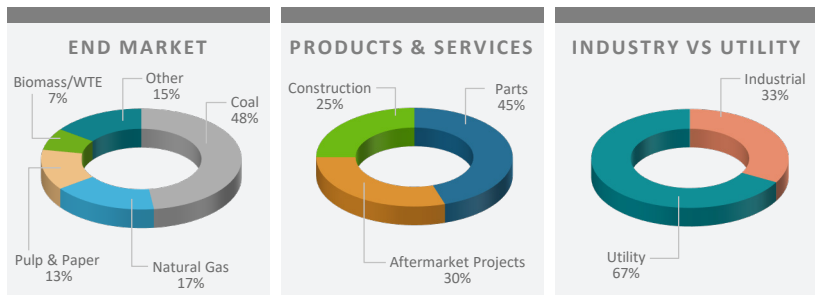


BABCOCK & WILCOX PROFILE

- **Headquarters:** Akron OH, USA
- **Founded:** 1867
- **Ownership:** Public (NYSE: BW)
- **Employees:** ~2,000
- **LTM Revenue December 2024:** ~\$717.3M



BWE Consolidated

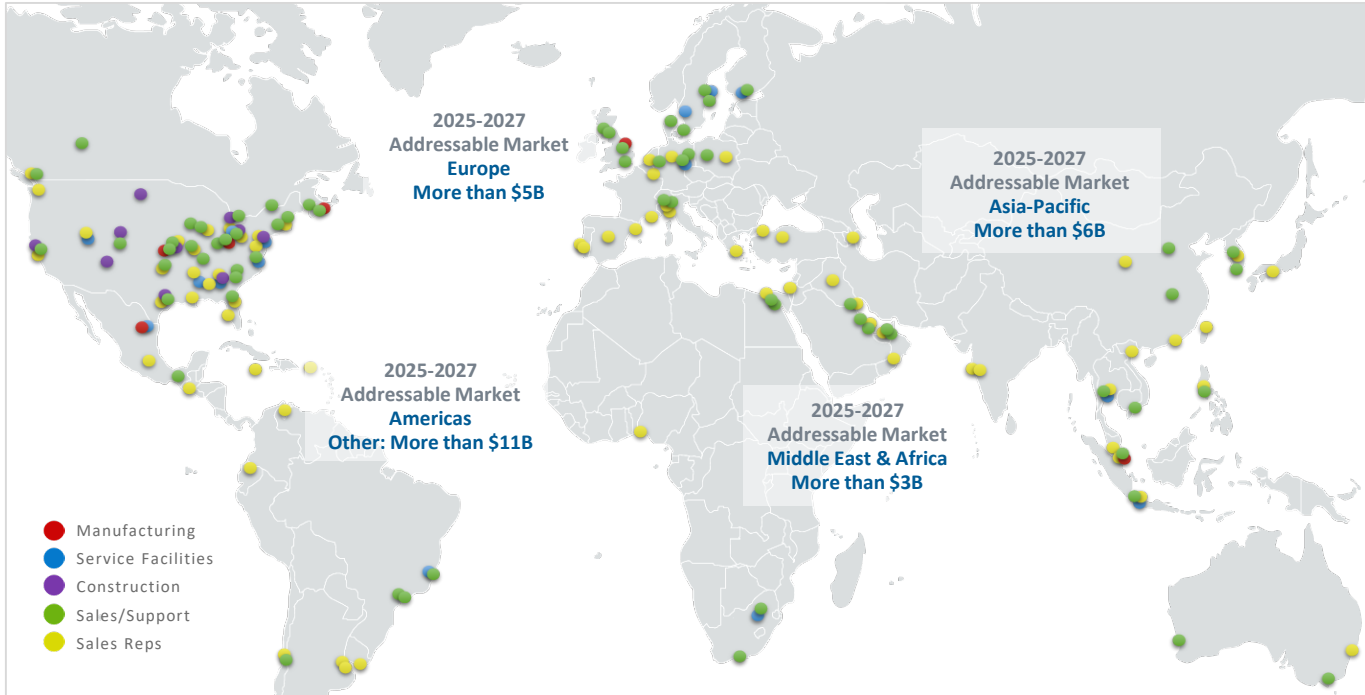


Notes: All charts based on LTM December 31, 2024 revenues, unless otherwise noted.
 1. Backlog does not include shorter lead-time parts and services.

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A SOLID PIPELINE OF GLOBAL OPPORTUNITIES

Total anticipated pipeline of more than \$7.6 billion over the next three years with over \$12 billion in opportunities

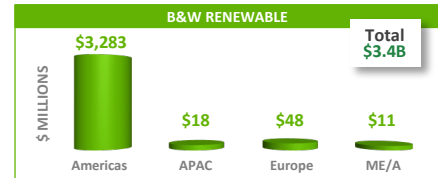
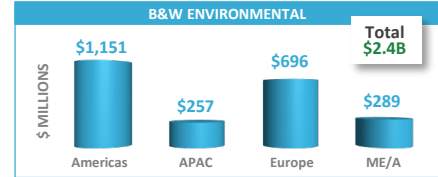
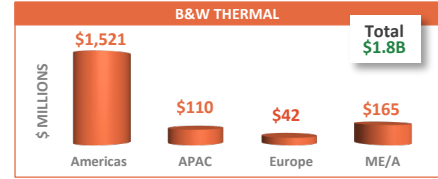


A WIDE FOOTPRINT AND ONGOING EXPANSION POSITIONS B&W TO LEVERAGE MARKET TRENDS AROUND THE WORLD

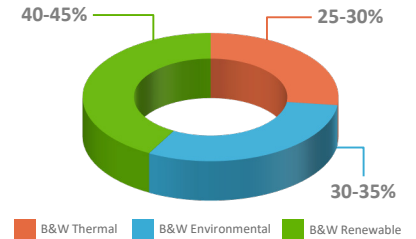
Note: Pipeline does not include parts, small service and construction.

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3-YEAR PIPELINE



PIPELINE REVENUE SPLIT 2025-2027



LEADERSHIP TEAM



**Chairman and
Chief Executive Officer**

Kenneth Young



**Executive Vice
President and Chief
Financial Officer**

Cameron Frymyer



**Executive Vice
President and Chief
Commercial Officer**

Jimmy B. Morgan



**Executive Vice President,
General Counsel and
Corporate Secretary**

John J. Dziewisz



**Chief Technology
Officer**

Brandy Johnson



**Senior Vice President,
Corporate Operations**

Gillianne Hetrick



**Executive Vice
President and Chief
Operating Officer**

Chris Riker



**Vice President,
Corporate Development**

Sarah Serafin



Non-Executive Advisor

Dr. Homaira Akbari

CORPORATE GOVERNANCE

BOARD OF DIRECTORS



**Chairman and
Chief Executive Officer**

Kenneth Young



Henry Bartoli



Rebecca Stahl



Joseph Tato



Alan Howe



Philip Moeller



Naomi Boness

FINANCIAL INFORMATION

CONSOLIDATED FINANCIAL SUMMARY - CONTINUING OPERATIONS

(\$ in millions)	Year Ended <u>December 31, 2024</u>	Year Ended <u>December 31, 2023</u>
Revenue	\$ 717.3	\$ 727.3
Gross margin	\$ 177.0	\$ 176.7
Selling, general and administrative expenses	\$ 141.5	\$ 150.1
Operating income	\$ 25.1	\$ 16.6

Note: Figures may not be clerically accurate due to rounding.

CAPITAL STRUCTURE

(\$ in millions)

As of December 31, 2024

CAPITALIZATION:

Total Debt¹ **\$ 464.6**

Senior Notes \$ 340.2

Revolving Credit Line \$ 35.1

Letter of Credit Collateral* \$ 89.3

Cash, cash equivalents and restricted cash \$ 127.6

Net Debt **\$ 337.0**

Note: Figures may not be clerically accurate due to rounding.

1) Debt excluding leases of \$9.3 million.

*Letter of Credit Collateral under the Axos Credit Facility is on B&W's balance sheet in Restricted & Long-Term Restricted Cash offset by debt. The previous PNC/MSD letter of credit facility and associated collateral was not required to be included on B&W's balance sheet.

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



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



Waste-to-Energy Boilers

Reduces dependency on landfills and reduces methane gas emissions

Fuel: Municipal solid waste, refuse derived fuel



Biomass-Fired Boilers

Carbon-neutral technology

Fuel: Wood, wood waste, straw, sludge



Process Recovery Boilers

Single-drum, industry-standard unit for improved mill operation

Fuel: Black liquor

KEY TECHNOLOGIES:

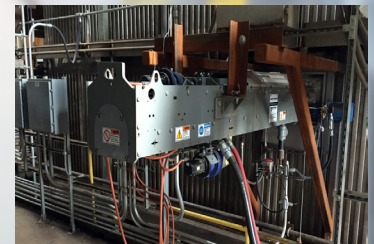
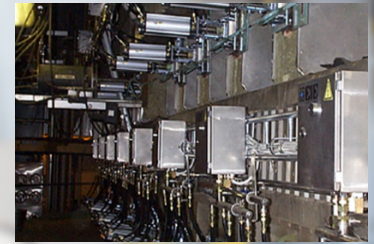
BOILER CLEANING EQUIPMENT, SOOTBLOWERS, SYSTEMS AND REPLACEMENT PARTS



Reliability, versatility, maximum cleaning performance and low maintenance, backed by experience

- Boiler cleaning
- Replacement parts & upgrades
- Cameras & monitoring
- Port rodders & dampers
- Titanium intelligent sootblowing & boiler cleaning controls
- Gauges & level indicators

HIGH PERFORMANCE BOILER CLEANING PRODUCTS

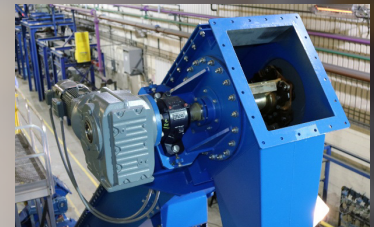
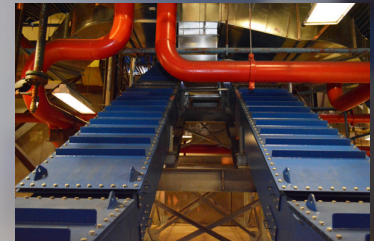
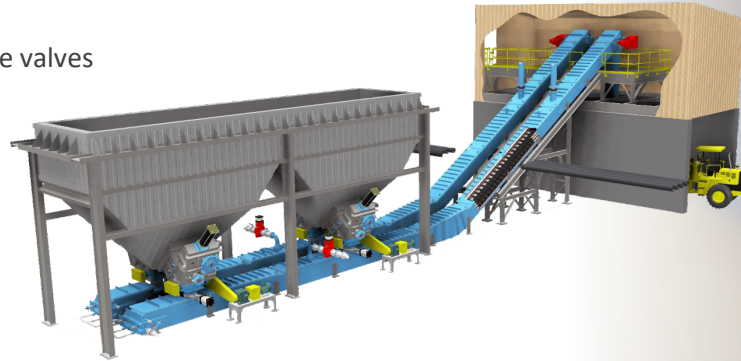


KEY TECHNOLOGIES: SUBMERGED GRIND CONVEYOR ASH HANDLING



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

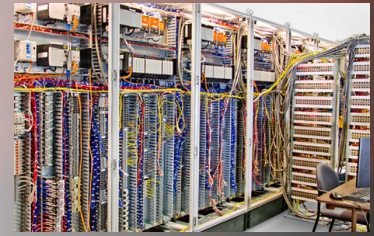
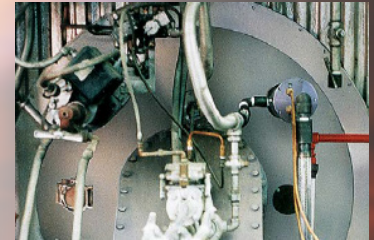
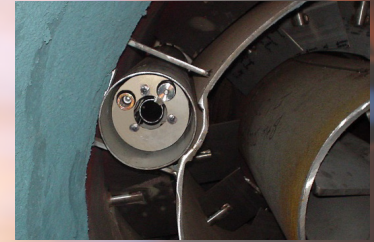
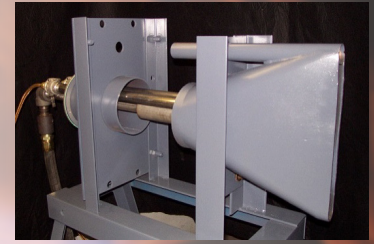
KEY TECHNOLOGIES: IGNITORS, FLAME SCANNERS AND CONTROLS



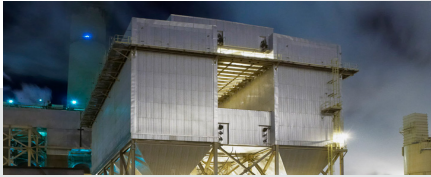
Designed for safety, reliability and fuel flexibility

- Natural gas conversions from oil- or coal-firing
- Alternative energy fuels such as hydrogen, biodiesel, methanol and biogas
- 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**



KEY TECHNOLOGIES: EMISSIONS CONTROL



Pre-Treatment for Post-Combustion Carbon Capture

- Wet and Dry Scrubbers, Sorbent Injection, Electrostatic Precipitators, Fabric Filters, Selective Catalytic Reduction systems
- Complements SolveBright™ Process, Other Post-Combustion Technologies



Particulate Control

- Pulse Jet Fabric Filters / Baghouses
- Wet and Dry Electrostatic Precipitators
- Wet Particulate Scrubbers
- Multiclone® Dust Collectors



SO₂ / Acid Gas Control

- Wet or Seawater Flue Gas Desulfurization Systems
- Semi-Dry Flue Gas Desulfurization Systems (Spray Dry Absorbers, Circulating Dry Scrubbers)
- Wet ESPs and Dry Sorbent Injection



NO_x Control

- Selective Catalytic and Non-Catalytic Reduction
- Low NO_x Burners and Combustion Systems



Mercury

- Powdered Activated Carbon Injection
- Absorption Plus™, MercPlus™, Mitagent™ Additives



Wastewater Elimination

- Wastewater Evaporation System via Spray Drying



SO₃ / Acid Mist Control

- Wet Electrostatic Precipitators
- Dry Sorbent Injection

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 and mercury



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



300+

Wet Scrubber Installations



90+

Dry Scrubber Installations



260+

Wet ESP Installations



490+

Dry ESP Installations



1000+

Fabric Filters Installations



35+

Sorbent Injection Installations



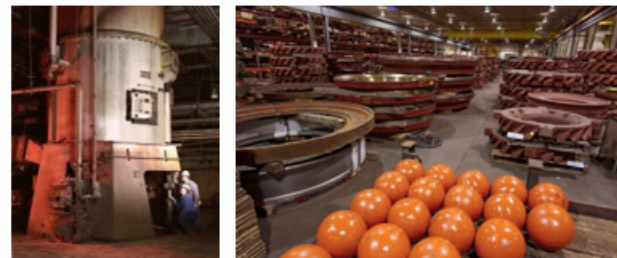
100+

SCR Installations

KEY CAPABILITIES: AFTERMARKET SERVICES

UPGRADES & RETROFITS

Maintaining/improving plant operation:
Projects for extending the life of power, process and environmental equipment



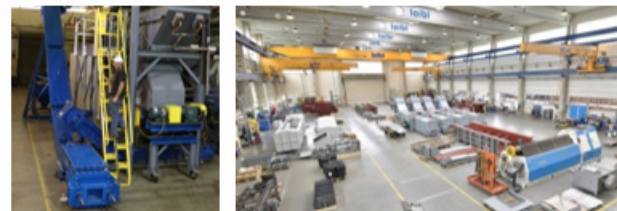
REPLACEMENT PARTS

Supplying components for system reliability:
High-quality standard or custom-engineered pressure and non-pressure parts



OPTIMIZATION SYSTEMS

Enhancing efficiency with proven technology:
Diagnostic, monitoring, tuning and control systems for combustion and cleaning equipment

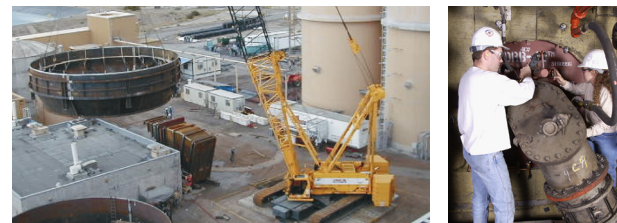


ENGINEERING SERVICES

Evaluating options for improved performance:
Expert people, tools and processes to measure, model, design, deliver, train and project manage

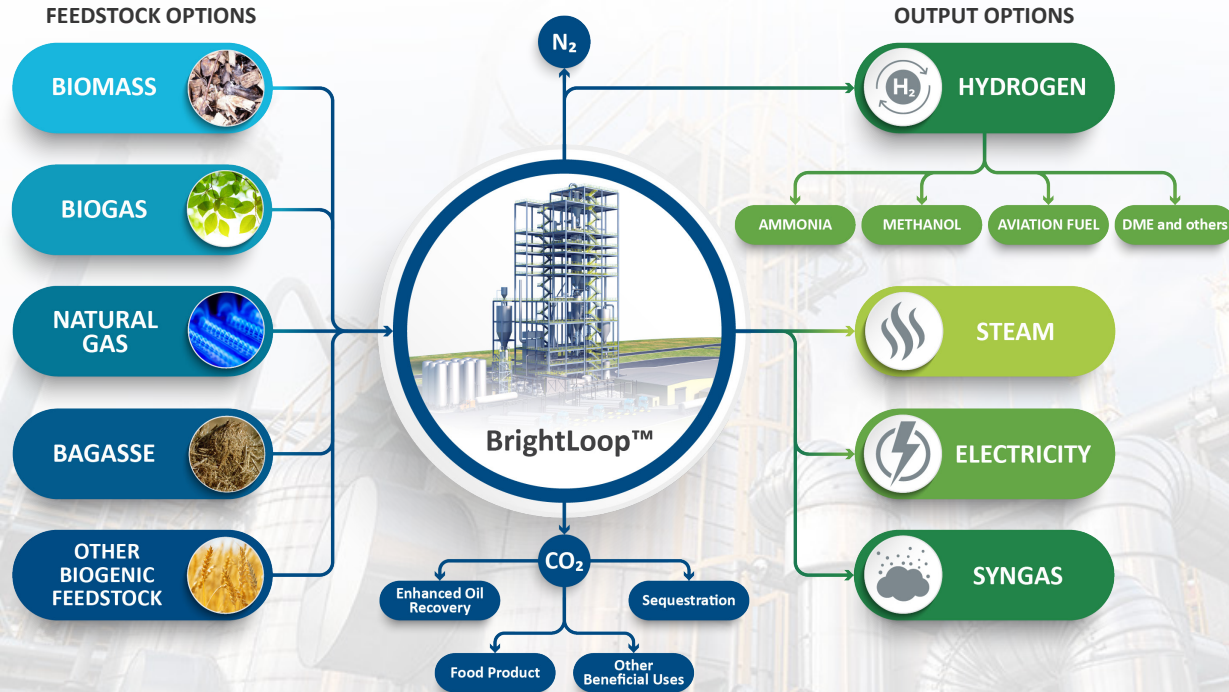
CONSTRUCTION

Adding value through constructability:
Safe execution of new installation, retrofits, system maintenance/repair, plant modifications



B&W'S EMERGING TECHNOLOGIES

BRIGHTLOOP™ HYDROGEN PRODUCTION

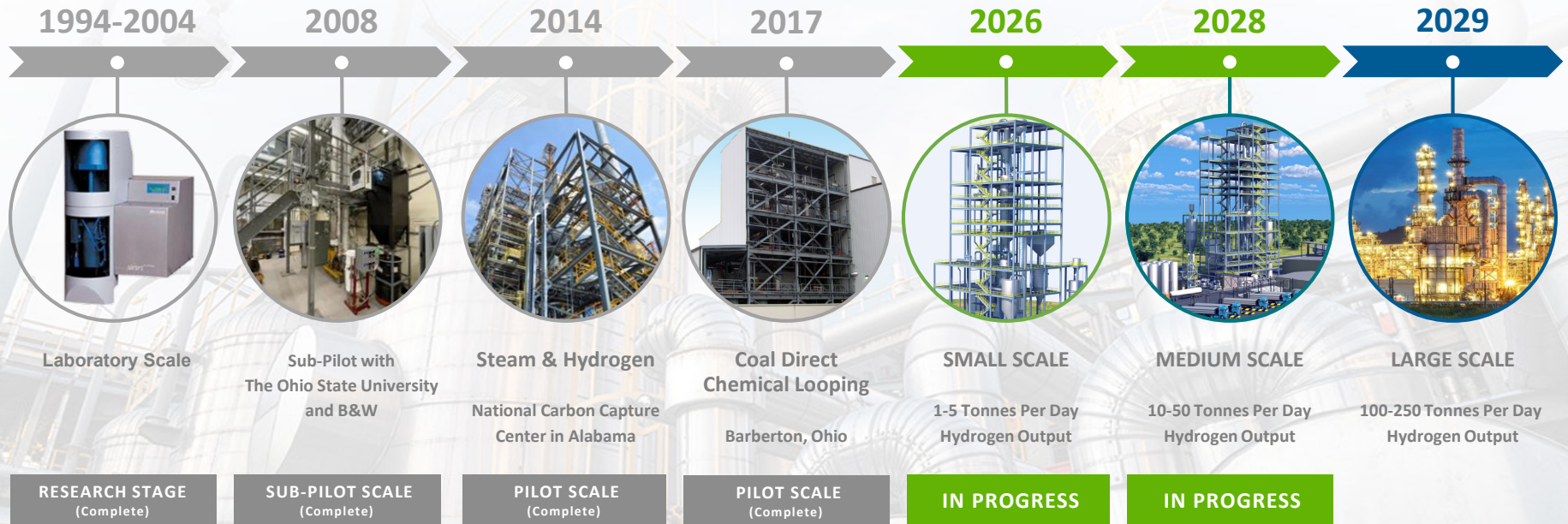


SIGNIFICANT ADVANTAGES:

- **Hydrogen from solid fuels** – can utilize a variety of solid or gaseous fuels as feedstock
- **High rate of carbon captured** – inherent CO₂ isolation supports sequestration or utilization without the expensive post combustion capture equipment and operation
- **Competitive hydrogen cost** – lower levelized cost of hydrogen when compared to other hydrogen production methods
- **High-quality hydrogen** – production from steam produces higher quality as compared to separating hydrogen from fuel
- **Scalable for a range of applications** – accommodates both large and small applications

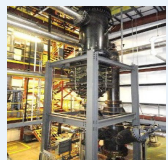
BRIGHTLOOP™ HYDROGEN PRODUCTION PROGRESS

BRIGHTLOOP EVOLUTION



LEVERAGING DECADES OF FUNDING AWARDS AND INVESTMENTS CONTINUE TO SCALE THIS INDUSTRY – CHANGING TECHNOLOGY

COAL DIRECT CHEMICAL LOOPING (CDCL)



2,000

OPERATING HOURS

50

STARTUP / SHUTDOWNS

NATIONAL CARBON CAPTURE CENTER (NCCC)



1,000

OPERATING HOURS

20

STARTUP / SHUTDOWNS

2009 CL
with OSU

2010 NCCC
Design & Construction

2010 NCCC
Testing

2012 – 2014 CDCL DOE
Techno-Economic Analysis

2016 – 2018 DOE
Pre-FEED CDCL

2022 - Present
Commercialization

THE OHIO STATE UNIVERSITY

TGA TESTING

500 **10,000**

TEST RUNS HOURS OF TESTING

3 Reactor SUB-PILOT

50 **1,000**

TEST RUNS HOURS OF TESTING

BENCH SCALE

200 **5,000+**

TEST RUNS HOURS OF TESTING

SUB-PILOT

50+

TEST RUNS

2,000+

HOURS OF TESTING

75

STARTUP / SHUTDOWNS

PATENTED IRON OXIDE PARTICLE

10,000+

CYCLE TIMES

3,000+

HOURS OF TESTING

10,000+

TOTAL TESTING HOURS



Experts Trained

70

OSU CL
RESULTED PHDs

100

GRAD
STUDENTS

250

OTHER STUDENTS
AND STAFF

TOTAL R&D INVESTMENT

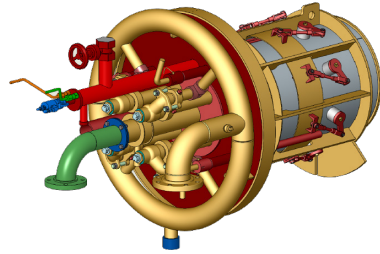
\$275M+

DOE GRANTS – STATE GRANTS – OSU – B&W
to study impact of various feedstocks on hydrogen
production and advance the technology

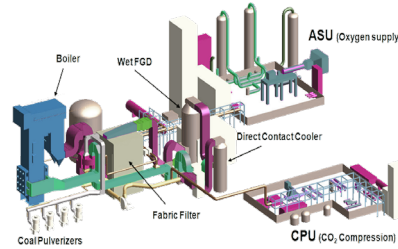
GLOBAL LEADER IN CLEAN POWER PRODUCTION TECHNOLOGIES



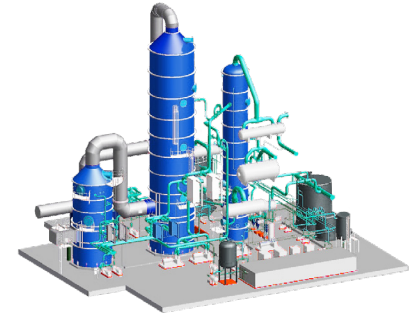
BrightLoop™
HYDROGEN PRODUCTION



BrightGen™
HYDROGEN COMBUSTION



OxyBright™
OXYGEN-FUEL COMBUSTION



SolveBright™
POST-COMBUSTION CARBON CAPTURE

OUR CLIMATEBRIGHT SUITE

- Emerging technologies: Long Duration Energy Storage, Green Steam and Direct Air Capture
- 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.

BIOENERGY WITH CARBON CAPTURE AND SEQUESTRATION (BECCS)

B&W's biomass boilers paired with either OxyBright™ or SolveBright™ produce carbon-negative energy with a **-2,500gCO₂e/kWh carbon intensity**

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

Our negative carbon intensity (-2,500 gCO₂e/kWh) is **nearly seven times more negative than the U.S. grid is positive (+373 gCO₂e/kWh)**





BABCOCK
& WILCOX