



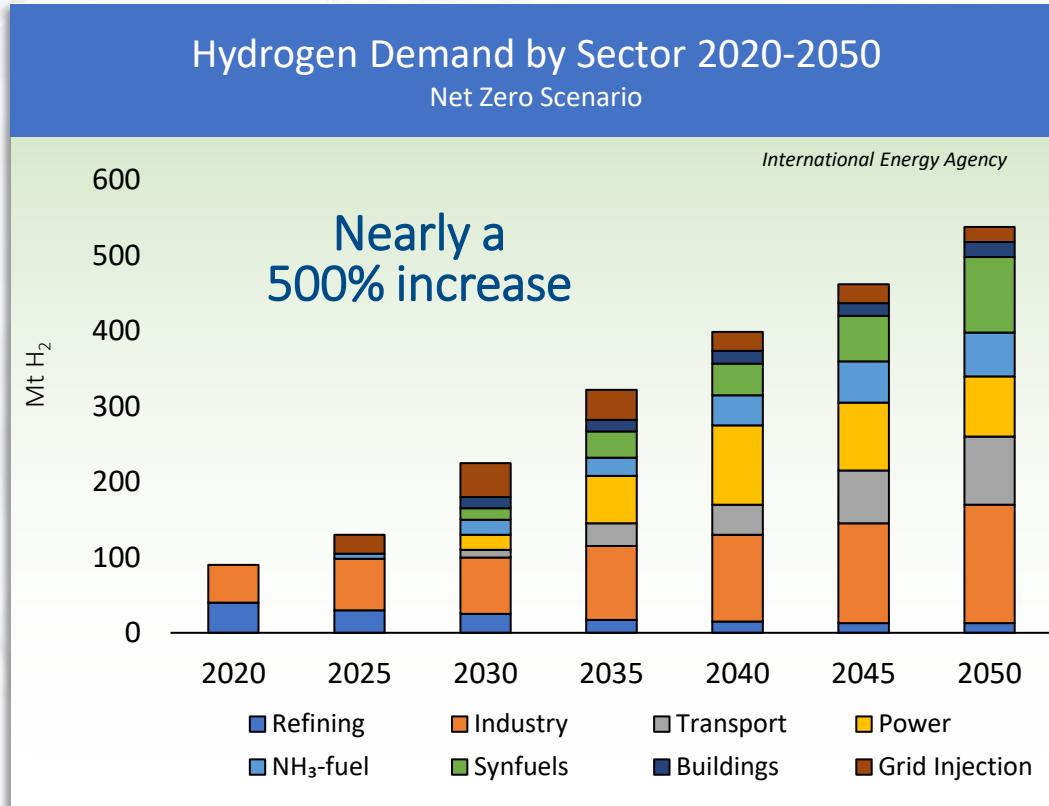
RENEWABLE
ENVIRONMENTAL
THERMAL

Commercializing BrightLoop™ Hydrogen Production in Massillon, Ohio

Brandy Johnson, P.E., Chief Technology Officer

November 20, 2024

The Hype around Hydrogen



NEWSROOM | NOV 11, 2024

Industry Leaders Call for Decisive Action on Clean Hydrogen at COP29

Industrial leaders from across the globe call for collective commitment to scale demand for clean hydrogen and its derivatives by 2030 underpinned by robust incentives and mandates.

BRUSSELS, November 11, 2024 – As world leaders gather in Baku this week, a coalition of nearly two dozen industry associations around the globe is calling for urgent action to scale demand for clean hydrogen and its derivatives by 2030, underpinned by robust incentives and mandates.

Accelerating the implementation of the government policies that drive hydrogen deployment can unlock significant environmental, economic and societal benefits by mid-century:

Generating Solutions for the Next Generation

STEAM GENERATION

Utility and industrial applications, including fluidized bed combustion

COMPONENTS

Ignition systems, heat exchangers and more

ENVIRONMENTAL EQUIPMENT

Flue gas treatment and emissions control

FUEL HANDLING

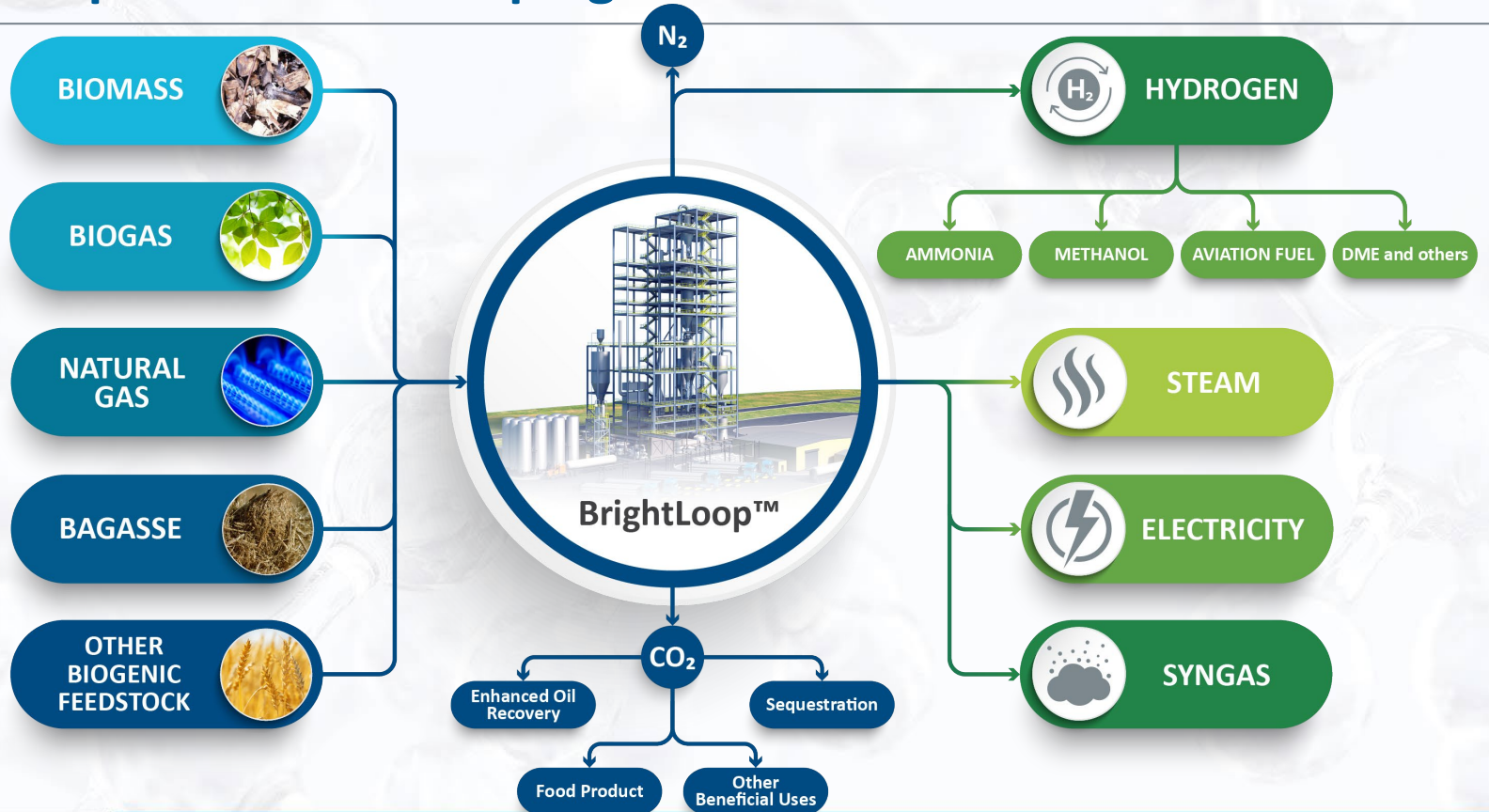
Solid fuel handling systems

SERVICE

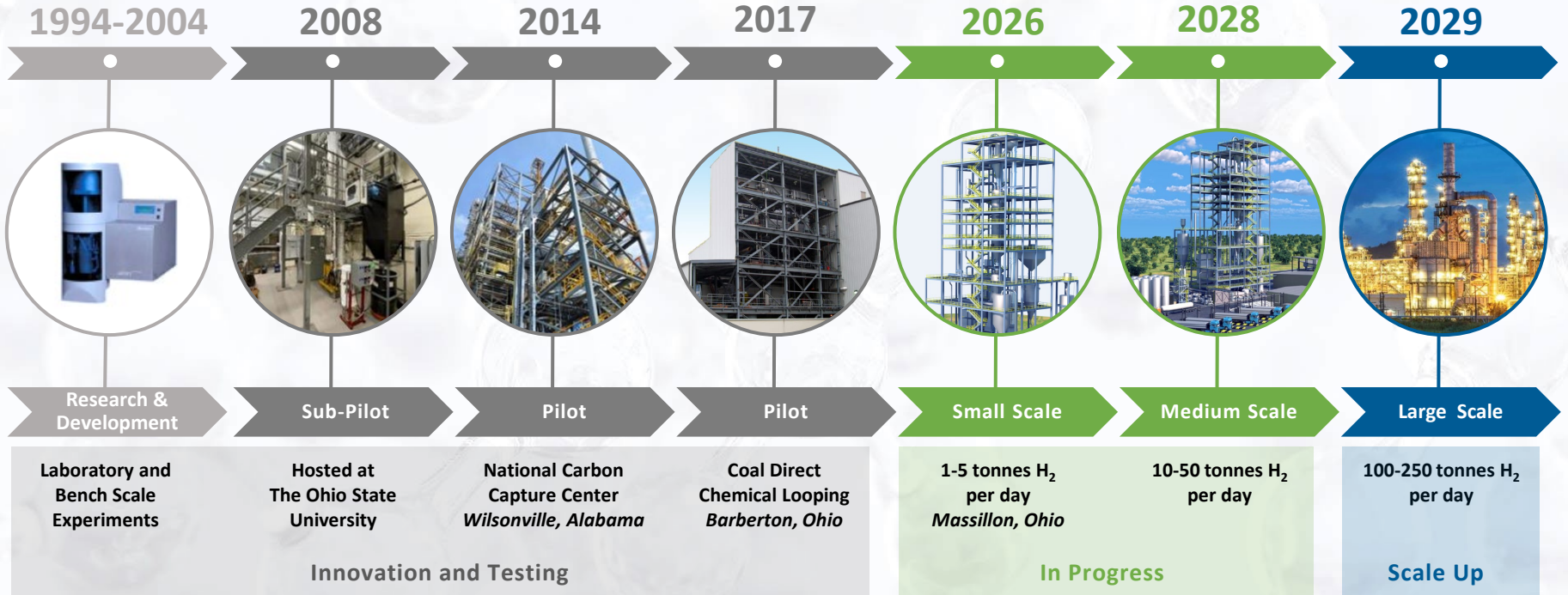
Engineering, project management, construction planning and installation, and more

B&W has 155+ years of experience and commitment to finding a **Better Way** to design and integrate plant-wide technologies

BrightLoop™ Chemical Looping



BrightLoop™ Technology Evolution



Proof is in the Projects



Gillette, Wyoming, USA
Coal to Hydrogen



Baton Rouge, Louisiana, USA
*Biomass to Carbon-negative
Hydrogen*



Massillon, Ohio, USA
Natural Gas to Hydrogen



www.babcock.com/brightloop



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Q&A