

### DISCLAIMER

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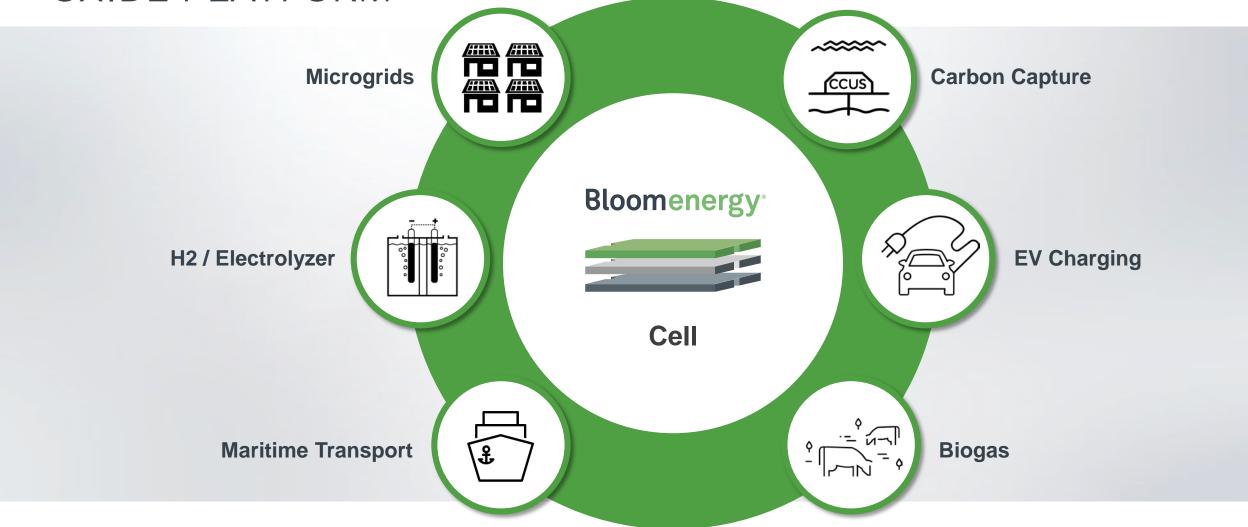
These forward-looking statements are subject to a number of risks, uncertainties and assumptions. The forward-looking statements in this presentation represent our beliefs and assumptions as of the date of this presentation. Except as required by law, we are under no duty to update any of these forward-looking statements after the date of this presentation. You should, therefore, not rely on these forward-looking statements as representing our views as of any date subsequent to the date of this presentation. Moreover, except as required by law, neither we nor any other person assumes responsibility for the accuracy and completeness of the forward-looking statements contained in this presentation. For a further description of the risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to Bloom's business in general, see Bloom's Annual Report on Form 10-K for the year ended December 31, 2019, filed with the Securities and Exchange Commission on March 31, 2020, its Quarterly Reports on Form 10-Q for the three month periods ended March 31, 2020 and June 30, 2020 filed on May 11, 2020 and August 4, 2020, respectively and the "Risk Factors" section of the offering memorandum for the offering to which this presentation relates. Our results are not necessarily indicative of our results for any future periods.

This presentation also contains estimates, projections and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry and our business. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. We have not independently verified the accuracy and completeness of the information obtained by third parties included in this presentation. In addition, projections, assumptions and estimates of our future performance and the future performance of the markets in which we operate are necessarily subject to a high degree of uncertainty and risk.

Certain financial data included in this presentation are "non-GAAP financial measures" as defined by the U.S. Securities and Exchange Commission. These non-GAAP financial measures are in addition to, and not a substitute for or superior to, measures of financial performance prepared in accordance with U.S. GAAP. There are a number of limitations related to the use of these non-GAAP financial measures versus their nearest GAAP equivalents. These non-GAAP financial measures may not be comparable to similarly-titled measures presented by other companies or to third-party expectations. Refer to the Appendix for a reconciliation of our non-GAAP financial measures to the most directly comparable U.S. GAAP financial measure.

FLEXIBILITY OF SOLID OXIDE PLATFORM





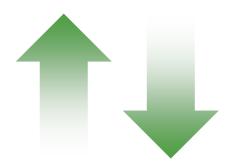
### BLOOM ENERGY + SAMSUNG PARTNERSHIP



#### Partnership Between Industry Leaders...

## **Bloomenergy**®

Fuel cell industry leader



#### **SAMSUNG HEAVY INDUSTRIES**

Industry leader - Drillships, LNG carriers, FPSO



## ドリング Future-Proof Platform

LT plans to collaborate on clean technologies

#### **Planned Timeline to Commercialization**

Q4 2020

2021

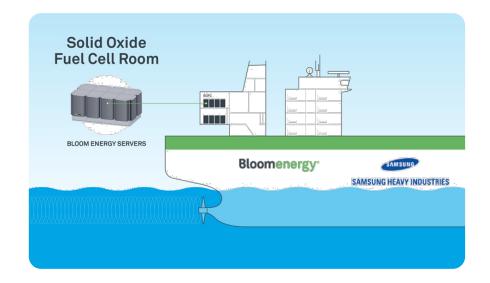
2022

Concept Finalized Design, test, and Type Approval

Customer Engagement

#### ...Results in Large Marine Market Opportunity





## ~ 300MW

"As regulations to reduce GHG emissions take effect step-by-step, the introduction of fuel cells to vessels is inevitable. This approval, and being the first shipbuilder to secure this marine fuel cell technology, illustrates that Samsung Heavy is highly likely to lead the market."

#### Kyunghee Kim,

Vice President of SHI Outfitting Engineering Team

## OPPORTUNITY SIZE



Vessel Type	Power Requirement	Ships in Operation	Ships on Order	LNG Powered Ships in Operation	LNG Ships on Order
Container Ships <sup>1</sup>	Up to 100 MW	46,000+	4000+	27 Cargo and	49 Cargo and
Bulkers <sup>1</sup>	10 to 15 MW			containerships	containerships
Tankers <sup>1</sup>	10 to 40 MW			~250 Tankers	~140 Tankers
Cruise Ships <sup>2</sup>	10 to 50 MW	555	116	1	30
Offshore Vessels <sup>3</sup>	40 to 50 MW	11,000+	196	22	15

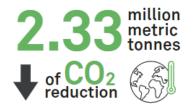
Lloyds List Intelligence
 Cruise Industry News
 IHS Markit

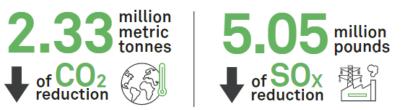
#### **BLOOM ENERGY**

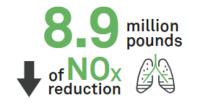




Bloom's platform technology has delivered on emissions and efficiency







### MARITIME TRANSPORT PRODUCT FIT



Virtually no SO<sub>x</sub> & NO<sub>x</sub>

No Black Carbon or Particulate Matter

Negligible Methane Slip

**↑**Efficiency

Arrangement Flexibility

Quiet Operation Simple
Operation and
Maintenance

↓ Water Requirement

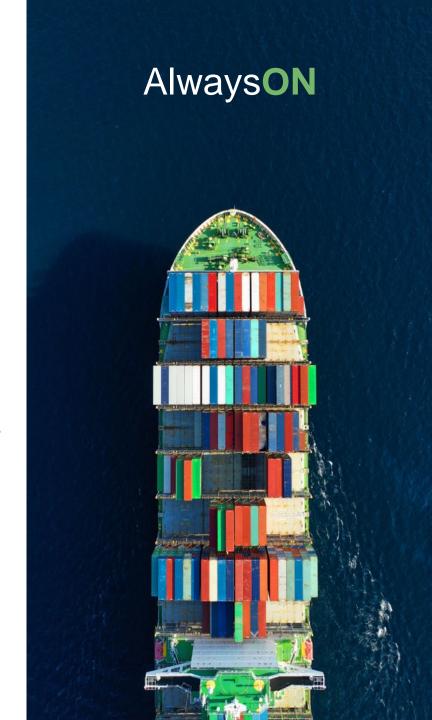
Fuel & Emissions Accountability

Fuel Compatibility

Heat Recovery

#### MARKET DYNAMIC

- Marine transport significant source of global pollution.
   Urgency to decarbonize
- Regulation expected and targets set
- Current approaches rely on incremental improvements in existing technologies
- Each new fuel requires substantial changes in Engines, Lubricants etc.
- Industry concerns over stranded assets
- Significant opportunity for impact



Many cargo ships still use "bunker fuel"

CO<sub>2</sub>
2.2%
per year

NO<sub>x</sub>
15%
per year

SO<sub>x</sub>
13%
per year



CO<sub>2</sub> emissions projected to increase by 50%-250% by 2050, despite efficiency improvements of about 40%<sup>(1)</sup>



The Marine sector includes over 50,000 merchant ships and accounts for nearly 90% of world trade

# REGULATORY CHANGE COMING TO AN UNPREPARED ECO-SYSTEM





#### TARGETS OUTLINED

Regulation to be issued in 2023

#### **Carbon Emissions**

By 2030: 40% intensity reduction

By 2050: 70% intensity reduction + 50% absolute reduction

Before 2100 Zero Emissions

## **Other Targets**

EEDI for new builds

New NOx ECAs

**EEII** for existing Ships

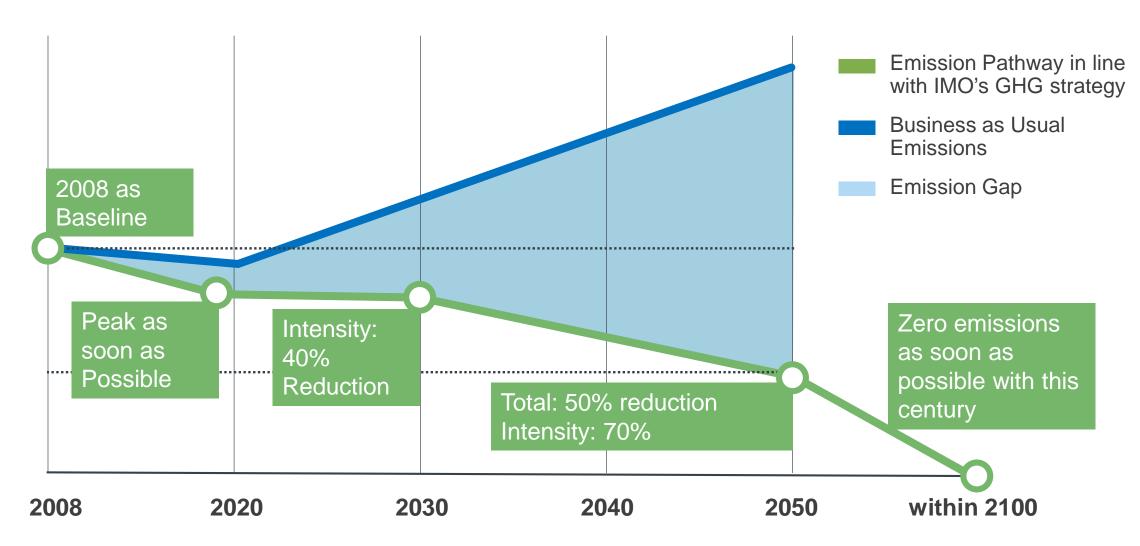


Maritime transport to be included in EU Emissions Trading System (ETS)

"MEPs largely agree that ...the IMO has made insufficient progress in reaching an ambitious global agreement on greenhouse gas (GHG) emissions.... A global ambitious agreement on GHG emissions from shipping is urgently needed"

## MAGNITUDE OF CHALLENGE AHEAD DNV GL ASSESSMENT





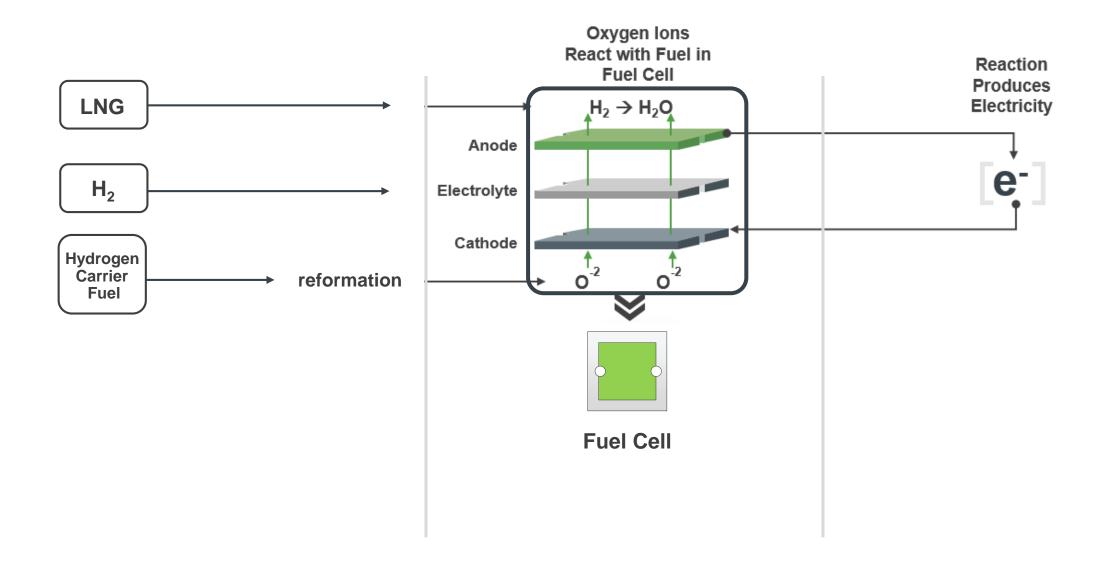
#### A TIME OF UNCERTAINTY

- No clear path to meeting IMO requirements
- Multiple fuels in the running with no clear winner
- **Timing** of fuel and infrastructure availability for assets with 20-40 year service lifetime
- Even more complexity onboard from the various permutations of ICE technology/material sets, fuels, lubricants etc.
- Concerns about maturity and scaling potential of new technologies



### BLOOM'S PLATFORM TECHNOLOGY





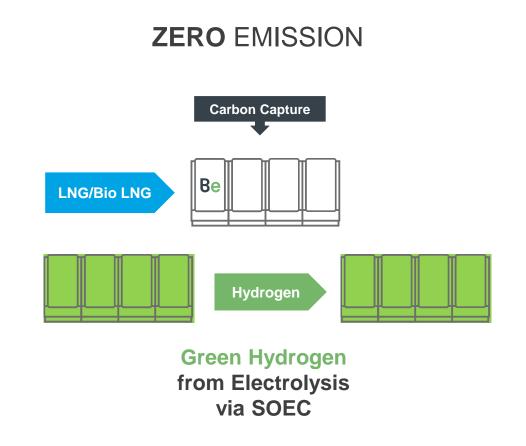
#### FUTUREPROOF PLATFORM FOR OPTIONALITY



AVAILABLE TODAY

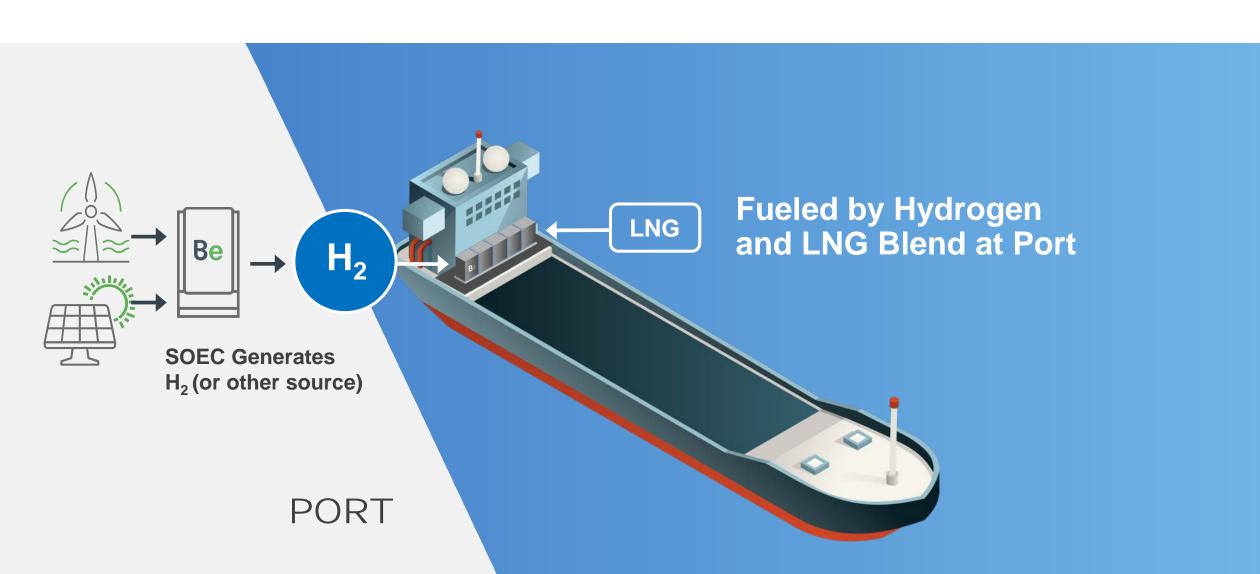
LNG/Bio LNG

**IMO 2050** READY AVAILABLE TODAY LNG/Bio LNG + H<sub>2</sub> (50%) Blend Bel



LOW RISK OF STRANDED ASSETS

# BLEND HYDROGEN AT PORT TODAY TO MEET OR EXCEED EMISSIONS STANDARDS



- Obtain immediate emissions reductions with Bloom platform for the cleanest and most efficient operation while global supply infrastructure for hydrogen and ammonia develops
- Use LNG-hydrogen blend to further improve emissions profile
- Upgrade LNG fueled Bloom systems to hydrogen when fuel available for maritime use
- Leverage benefits from Bloom Fuel Cells for an improved ship design

