



Amogy's Ammonia-Powered Tugboat: The NH₃ Kraken



PRESENTED BY:

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Abigail Jablansky

Head of Project
Management at Amogy

AMOGY



About Amogy



Founded: Nov 2020

Employees: 180+

Funding to date: \$220M

Headquarters: Brooklyn, NY

Other Locations: Houston, TX, Norway (Stavanger & Stord) & Singapore

Want more information? www.amogy.co



1 MW Tugboat Demo

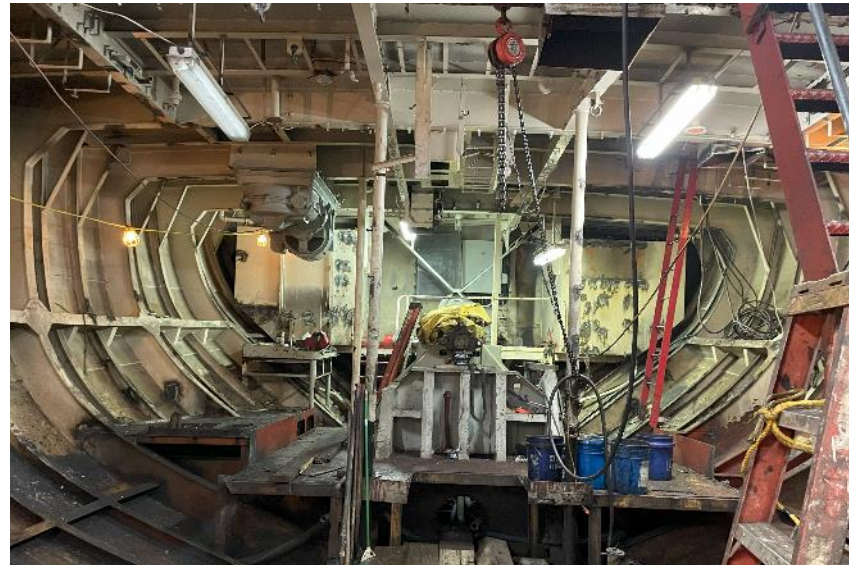


World's-First Ammonia-Powered Vessel



Power: 1 MW
Vessel dimension: 100 ft.
Stored energy: >5 MWh_e
Operating time: >12 hours

Construction Progress



3Q22

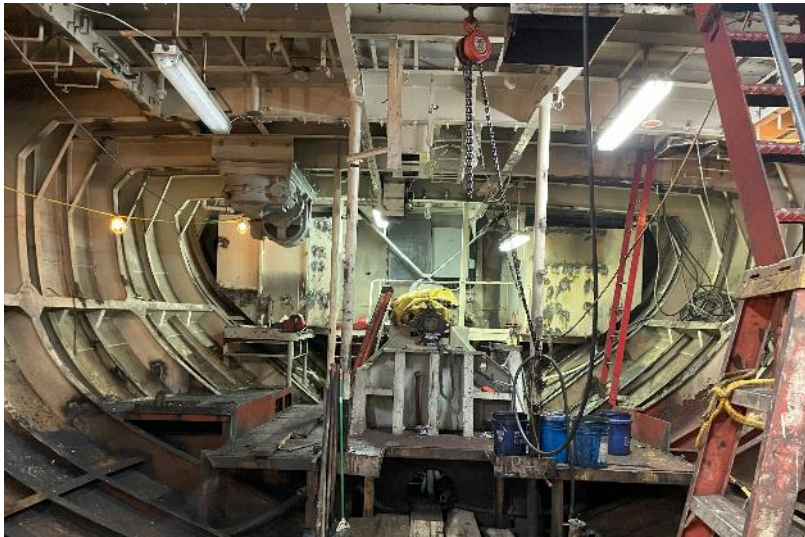
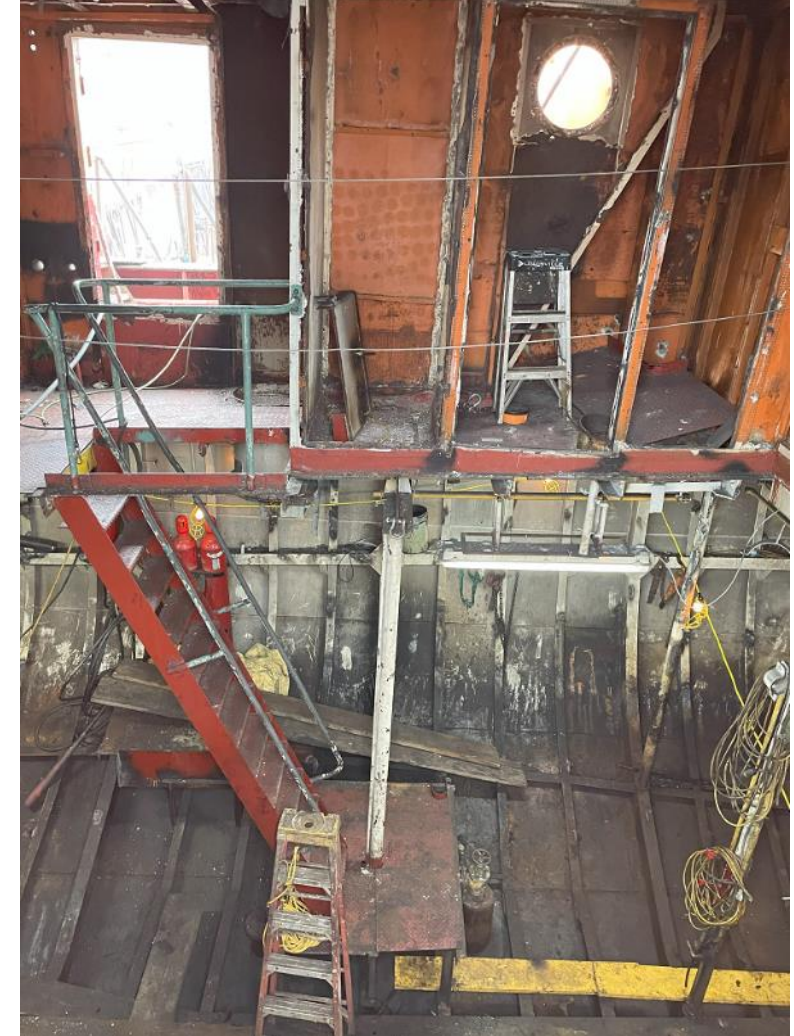
4Q22 – 1Q23

3Q23

Progress: 3Q22



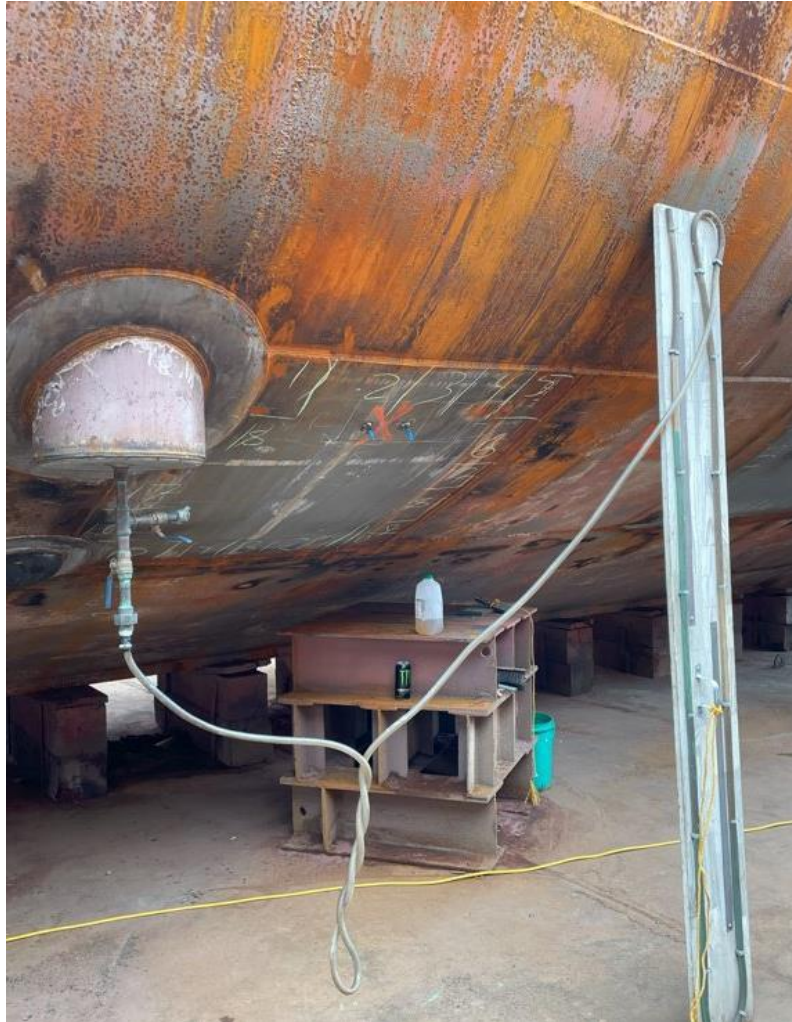
Progress: 4Q22-1Q23



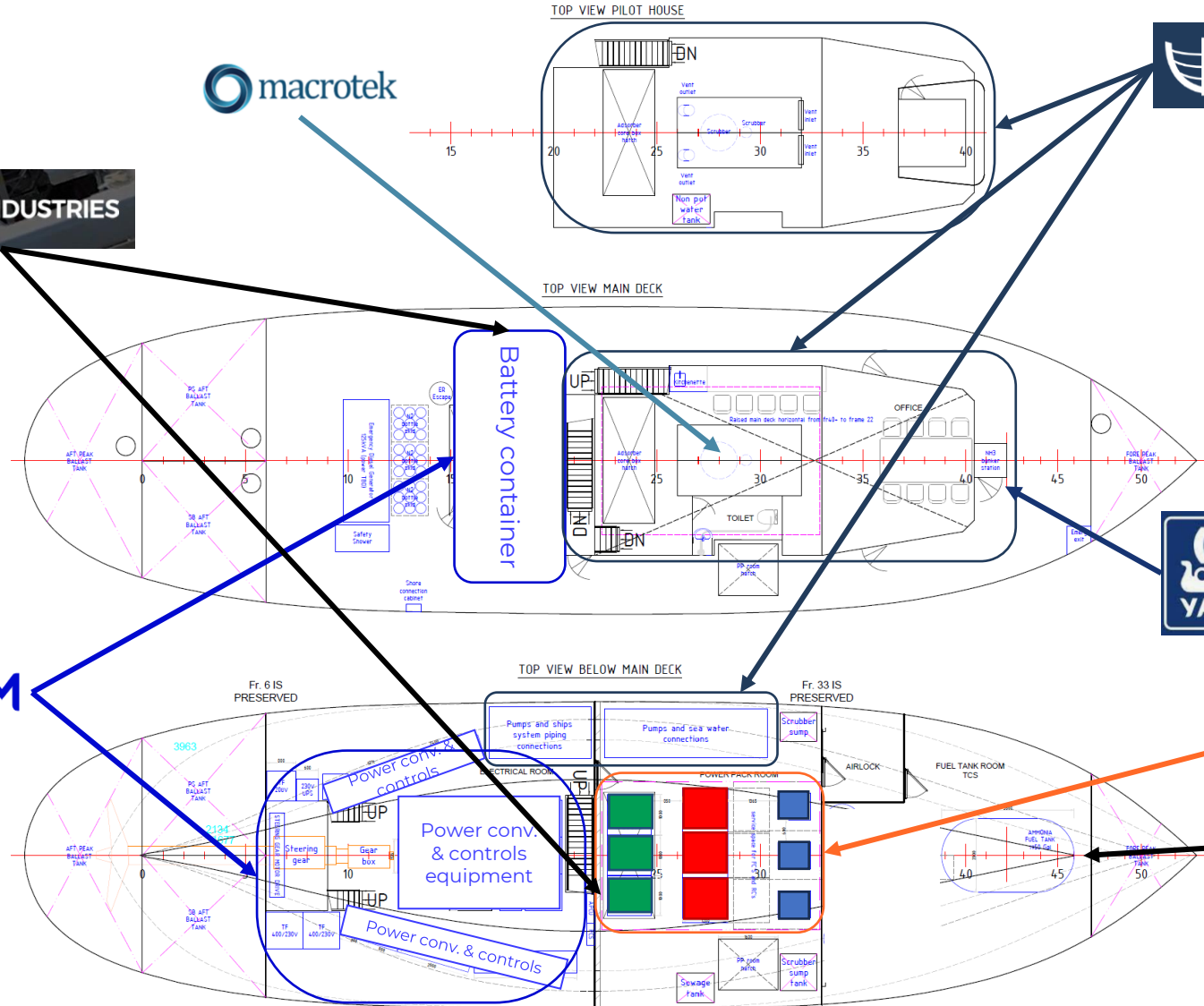
Progress: 2Q23



Progress: 3Q23



Partnership Collaboration

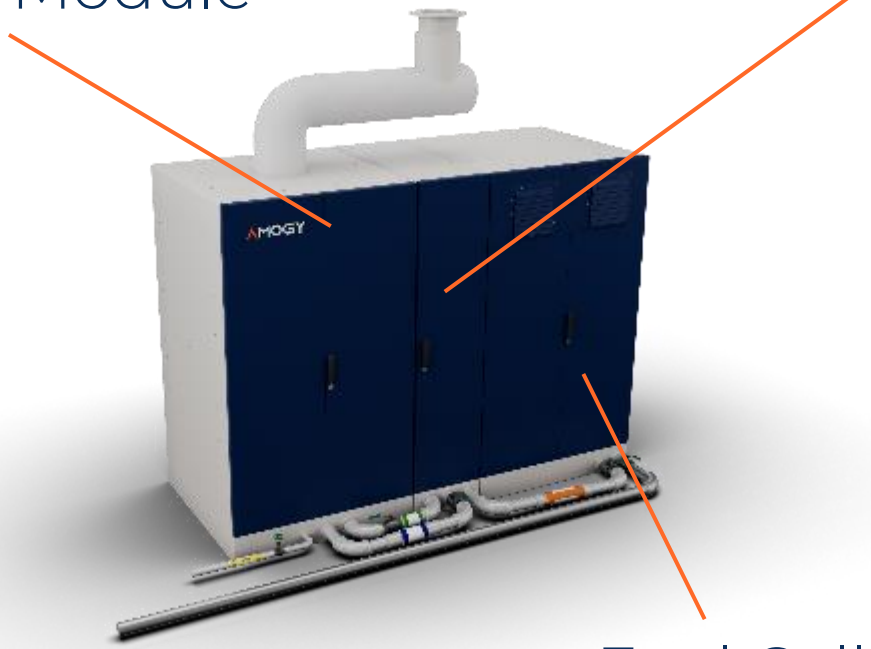


Ammonia-to-Power Technology



Reactor Module

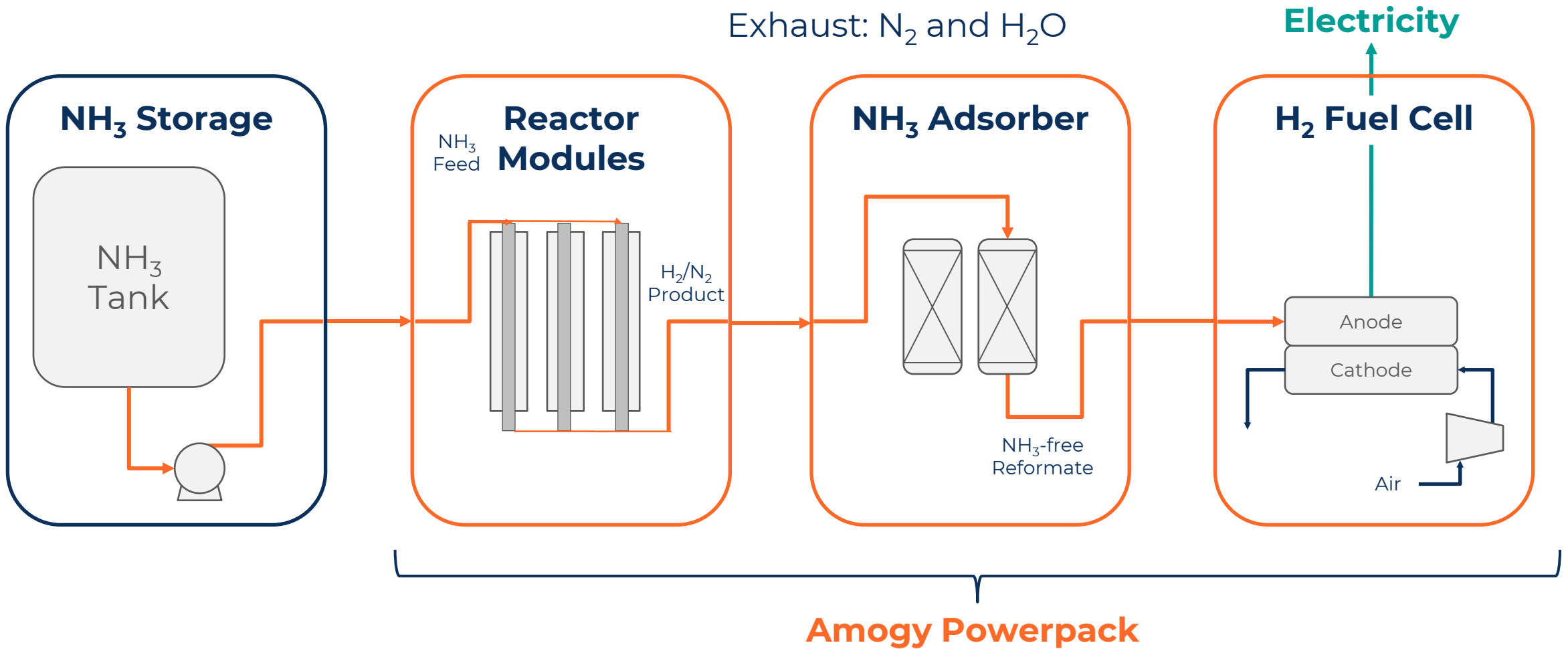
Adsorber Module



Fuel Cell Module



Ammonia-to-Power Technology



Herbert Fowlkes

Chief Safety Consultant at
Chief Safety Solutions



About Chief Safety Solutions



- An occupational safety and health consulting firm that provides consulting specialists to work closely with companies to implement proven safety management systems while saving time and resources
- Guide / prepare clients through OSHA or United States Coast Guard regulatory compliance inspections; ensuring a safe and healthy work environment for employees at facilities or on vessels, while lowering accident cost rates and improving workplace efficiency
- Provide compliance consulting services to maritime industry across the U.S. Canada and Mexico

Want more information? chiefsafety.com



Working with Amogy

AMOGY

- Went into contract with Worley Marine Consulting (WMC) services located in Staten Island to be the immediate point of contact and advisory for Amogy personnel
- Provide a fast, direct communication path for clarification of questions and background information for Amogy by acting as the liaison between Coast Guard Sector New York personnel



CSS / WMC has provided a first level of review for documents enroute to be submitted to the U.S. Coast Guard Sector New York for approval.

- Worst Case Scenario for the waterway's suitability assessment,
- Proposed safety equipment
- Sea Trial request
- Regulatory Matrix
- Construction Plan review installation



Ongoing Role

- Working alongside Amogy & Feeney Shipyard to provide Onsite Execution Supervisor throughout the duration of the tugboat construction
- Ensuring Amogy secures experienced tugboat crewmembers that have transited the Hudson River, are familiar with general policy and procedural information, and can quickly come onboard to learn Amogy's ammonia-to-power system
- Ensuring the overall project is conducted safely while keeping Amogy on time with its operational demonstration commitments

AMOGY



Thank You



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