





The US and its allies are not prepared for the realities of modern warfare and need to rapidly evolve their capabilities to maintain effectiveness on the 21st century battlefield.

The focus on AI-driven autonomous systems and sensors means:

Stealth Capabilities
designed to counter these systems
are more difficult – and more
valuable – than ever.

Unprecedented Electrical Power
is required on the edges of the
battlefield



Hydrogen makes our forces strategically dominant.

Stealth

Endurance

Reliability

Safety

**Fuel Made
On Location**

**“Hydrogen can be generated and used at the tactical edge of the battlefield...
Hydrogen vehicles and platforms also offer significant advantages in
performance, which translates to increased lethality on the battlefield.”**



**Modern War Institute,
US Military Academy, West Point**



A Drop-In Hydrogen-Powered Ecosystem Supports Manned and Unmanned Vessels with Stealth Capabilities

ZEI BUILDS

the rapidly deployable drop-in hydrogen ecosystem

ZEI Products

- (1) Z-Class Fuel Cell Engine
- (2) FTcase Hydrogen Fueling
- (3) RE:FUEL Fuel Production

Vessels built by exclusive partner

RECONCRAFT

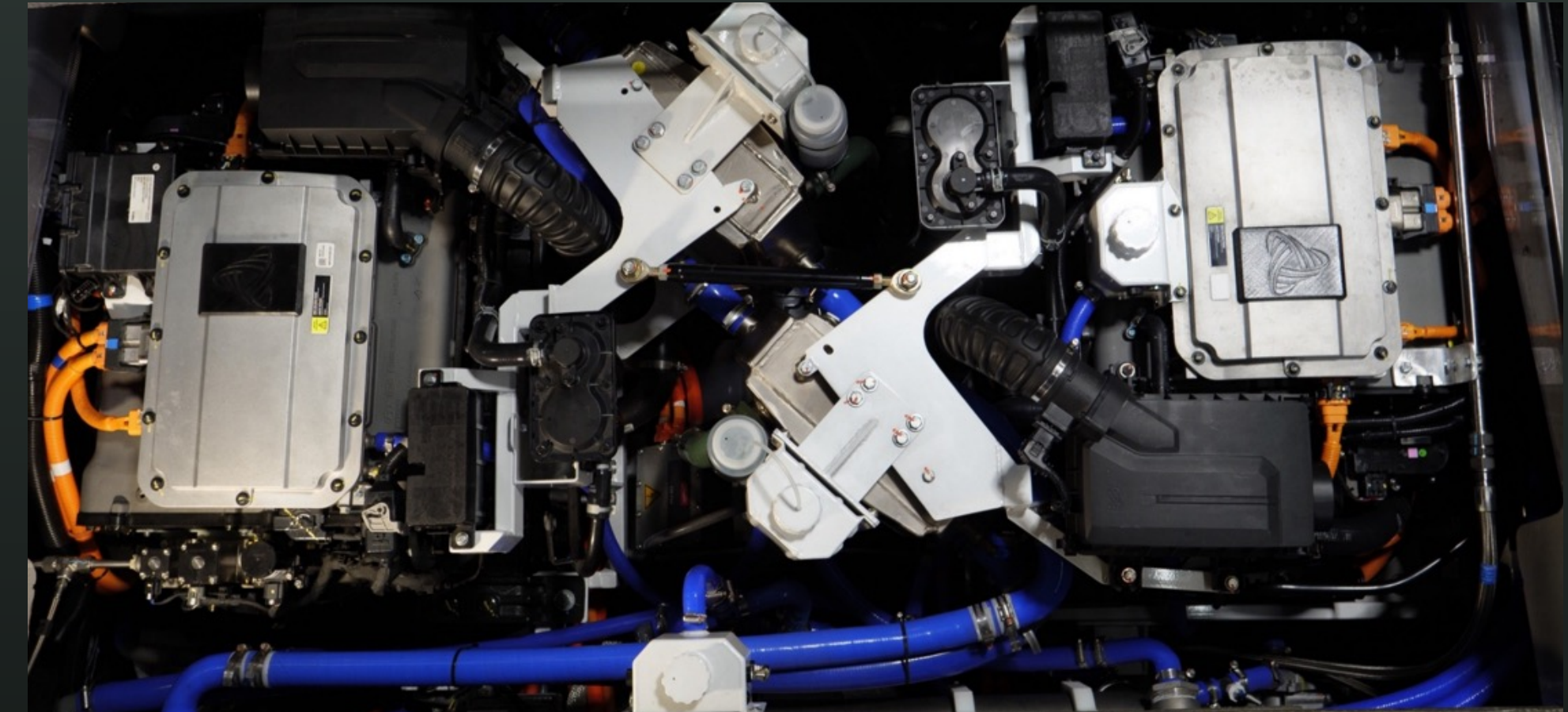


MODULAR SCALABLE FUEL CELL ENGINE



Z-CLASS

1



The stealth engine that can power all of this equipment, and more



Unmanned Surface Vessel



Combatant Craft Medium



Riverine



Generator

PORTABLE HYDROGEN FUELING SYSTEM



FTCASE

2



Easy refueling of hydrogen equipment, vehicles, and vessels by anyone, anytime, anywhere



Remote Fueling



Portable



Multiple Environment



Single Person

REMOTE HYDROGEN FUEL PRODUCTION

for any operation



3

RE:FUEL

Containerized,
rapidly deployable,
on-site hydrogen
production anywhere



Electricity + Water = Fuel

BACKGROUND AND TRACK RECORD

ZEI is an American Hydrogen Technology Company led by Dr. Joe Pratt (formally US DOE/NNSA Sandia National Laboratories), the world leading hydrogen expert for maritime.

2020- 2022

First Technology Deployment

Launched the world's first commercial hydrogen fuel cell ferry (Sea Change)



2022 - 2024

First Product Launched

Developed and Released World's Only Man Portable Hydrogen Fueling System (FTcase)



Q4 2024

Second Product Showcase

Developed and Deployed the World's Highest Performance Hydrogen Power System for Maritime (Z-Class)

Developed and Launched World's Fastest and Highest Performance Hydrogen Speedboat (FCV Vanguard)



Q1 2025

Defense Market Traction

Signed Exclusive Partnership with Reconcraft to Build the Next Generation Manned and Unmanned High Performance Naval Platforms





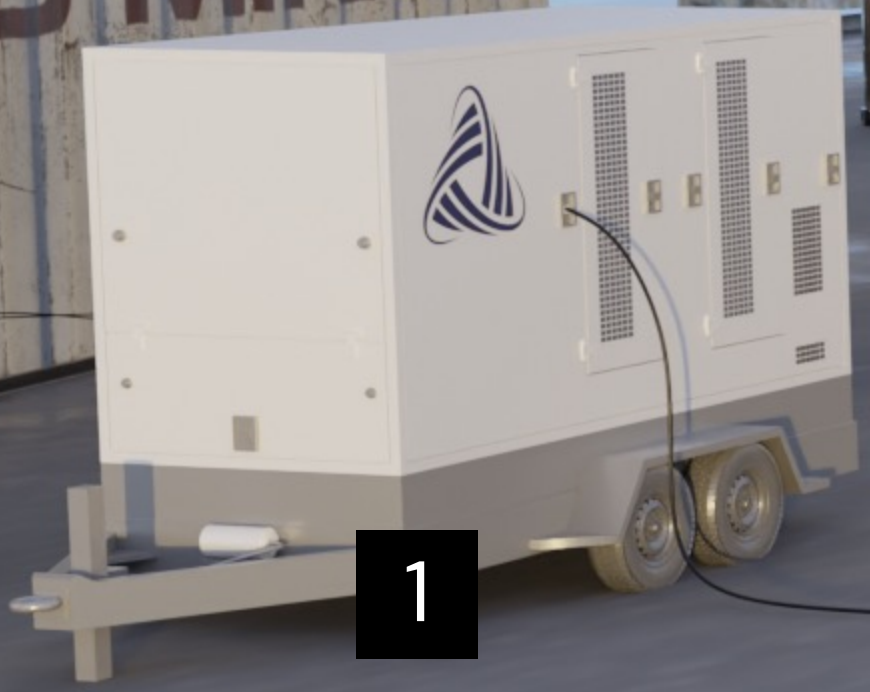
The same products solve critical problems in commercial markets: electrification where the grid is inaccessible and batteries aren't practical.

ZIEHL ABEG also has significant traction in these markets

COMMERCIAL ECOSYSTEM

ZEI Products

- (1) Z-Class Fuel Cell Engine
- (2) FTcase Hydrogen Fueling
- (3) RE:FUEL Fuel Production



The Same Ecosystem Supports Commercial Electrification Where the Grid is Unavailable

COMMERCIAL MARKETS WITH TRACTION



Transit Agencies: Nowhere to fuel

FTCASE



MD/HD Fleets: Batteries do not last

FTCASE Z-CLASS



Construction: Diesel generators not permitted

FTCASE Z-CLASS