

DOCKETED	
Docket Number:	24-IEPR-04
Project Title:	Wave and Tidal Energy
TN #:	258335
Document Title:	Presentation - C-Power IEPR Commissioner Workshop on Offshore Wave and Tidal Energy
Description:	e 5E. Ryan Calder,C-Power
Filer:	Raquel Kravitz
Organization:	C-Power
Submitter Role:	Public
Submission Date:	8/6/2024 3:01:52 PM
Docketed Date:	8/6/2024



IEPR Commissioner Workshop on Offshore Wave and Tidal Energy

Ryan Calder, CTO
rcalder@cpower.co
+1 541-865-6706

www.cpower.co

Proprietary Information.
Do not share without permission of C-Power



C-Power Background



- ▶ Offices in Charlottesville, VA and Corvallis, OR
- ▶ kW- to MW-scale product range
- ▶ >\$30 million of DOE and DOD funding
- ▶ 15 years of design, engineering, modeling, and testing
- ▶ 51 patents granted to date

Our products generate energy from the ocean to power the global economy

Offshore power and comms for critical uncrewed applications and enabling capabilities not possible today

SeaRAY
for kW-scale loads

Communications

Robotics

Data gathering

Operating equipment

Terrestrial & micro-grids

At-sea charging

StingRAY
for MW-scale loads

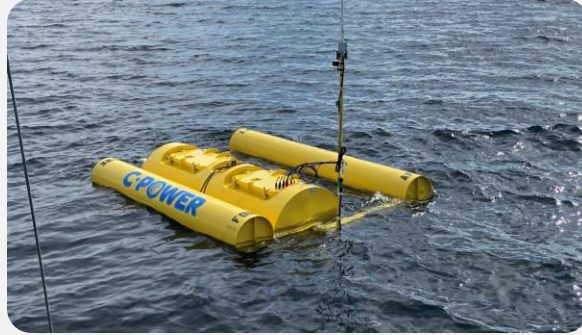
Meeting the needs for two big energy consumption markets



SeaRAY full-scale pilots



DARPA prototype
2017



TigerRAY 1st deployment
US Navy - 2022



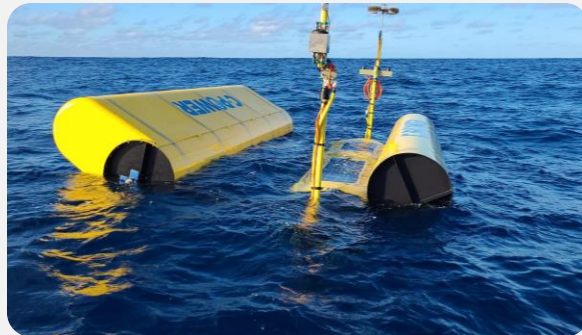
TigerRAY 2nd deployment
US Navy – 2023



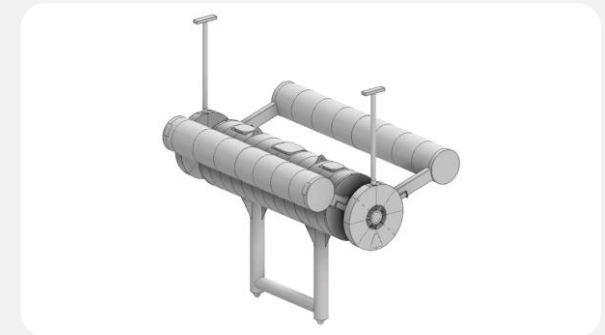
TigerRAY 3rd deployment
US Navy – 2024



Hawai'i SeaRAY AOPS Phase 1
2023 Commercial Pilot



Hawai'i Phase 2
2024 Commercial Pilot

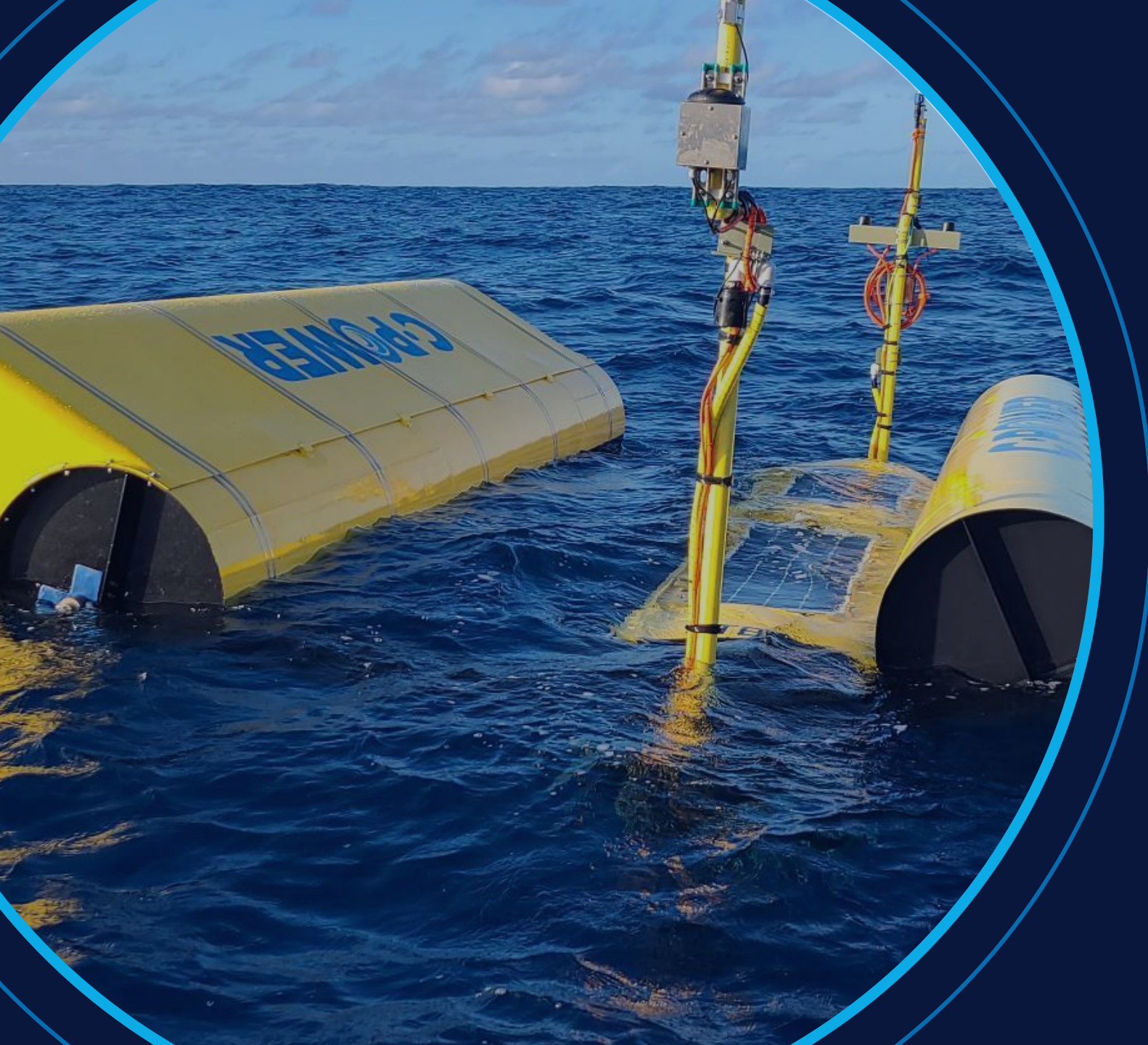


Oregon SeaRAY AOPS
2025 Commercial Pilot

Commercial traction

- ▶ 1st unit sold to U.S. Navy
- ▶ 18 signed customer and partner commitments (via MOUs, MOAs, POs, etc.)
- ▶ Primary target markets are driven by opportunity to reduce carbon intensity, cost, and operational complexity





Thank you

C·POWER™

Ryan Calder, CTO

rcalder@cpower.co

+1 541-865-6706

www.cpower.co

Proprietary Information.
Do not share without permission of C-Power