

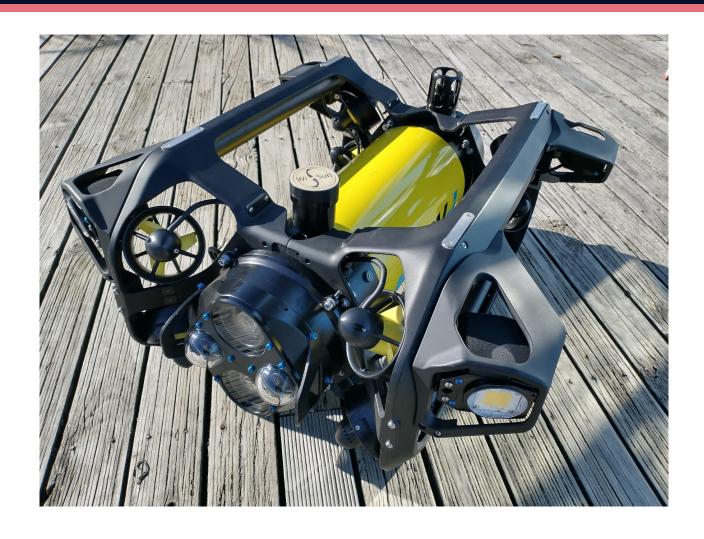
The Vison and the possibilities













Finished product - live



- Measurement system in Fishnet
- Autonomous mission to take pictures of fish
- Processing photos in the dock
 - Lice count
 - Biomass
- Result direct visible in webapp
- Acoustic communication between dock/drone

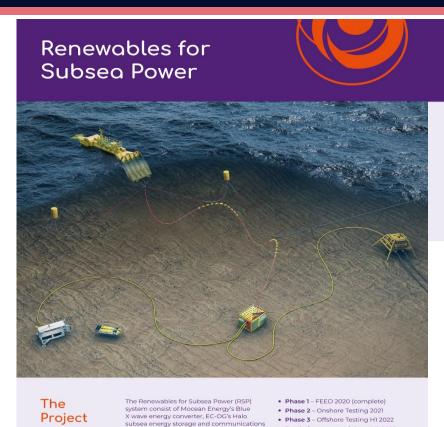


Finished product - live





Participating in the RSP project







The RSP System

The RSP system combines renewable energy from ocean waves with subsea energy storage and over-the-horizon communications to a reliable and continuous supply of power and a wireless communication link for remote, standalone and autonomous subsea systems.



Scalable to support peak loads of up to 10 kW, suitable for the majority of North Sea subsea production assets.



Zero GHG emissions from power production.

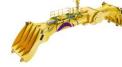
Applications include:

- · Fixing brownfield power distribution problems
- Residential AUVs/ROVs
- Long step outs and marginal developments
- Sensors and monitoring



blueX

Nominal Power	10 kW
Energy Storage	33 kWh
Communications	4G, VHF, Wi-Fi
Dimensions	19.3m(L) × 7.6m(H) × 4.6m(D)
Total Mass	38Te





Halo

Total Mass	10Te
Dimensions	4m(L) × 2.9m(W) × 2.5m(H)
Output B (HAUV)	350 VDC, 3 kW
Output A (SPCS)	250 VAC 1PH 50 Hz (configurable)
Energy Capacity	150 kWh (scalable to to 1MWh+)





Battery capacity: 600Wh
Endurance: ~4 hours
Range: ~8 km
ARV-i Drone Dimensions: 0.61m(L) x 0.4m(W) x









gateway, Modus's residential Hybrid AUV

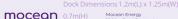
and a subesa production control system from Baker Hughes. Part-funded by OGTC, the system will be built and ready for offshore tests in 2022.





Ready for commercial use H2 2022





Mocean Energy 10 Max Born Crescent Edinburgh EH9 3BF

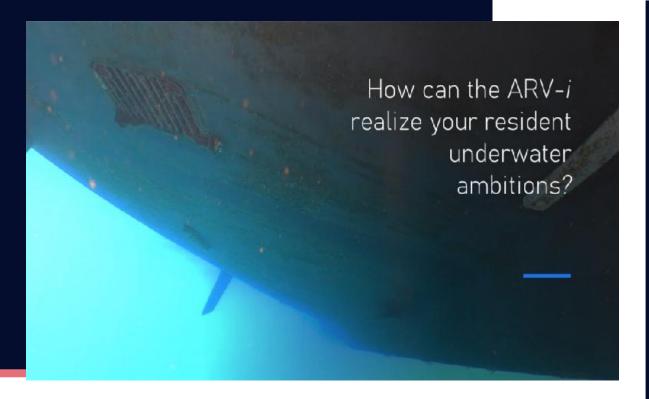


ARV-*i* in open water, autonomously flying to the object for inspection

To Launch, drop into the water



ARV-i areas of use



ARV-i to enable

- Cost effective Vessel-free inspection and light intervention
- Reduction of Carbon footprint
- More accurate and frequent data collection
 - Sensor reading and charging
 - Enabler of digital transformation of Subsea





3D Reconstruction



Riser Tracking



(Floating) Offshore Wind



GVI/CVI



CP Survey





Endless benefits of using an autonomous resident underwater Drone

