

Wave20™ 1.5m3/d Inflatable SurgeWEC™

DESCRIPTION:

This application harnesses wave power using RME's Inflatable SurgeWEC™, a proprietary OWSC.

RME's Wave20™ 1.5 m3/d with Inflatable SurgeWEC™ comprises a bottom-mounted hinged flap driving a pair of novel custom-developed fixed displacement vane pumps (high-pressure pumps).

RME's novel vane pumps will deliver a pressurized flow of filtered seawater to the RO desalination plant using a hydraulic motor-generator to supply electrical power for auxiliary devices (low pressure boost pump and plant control systems).

TEAM:

- Resolute Marine Energy
- University of Minnesota
- Blackfish Engineering
- Red Paddle Company
- Design Automation Associates

