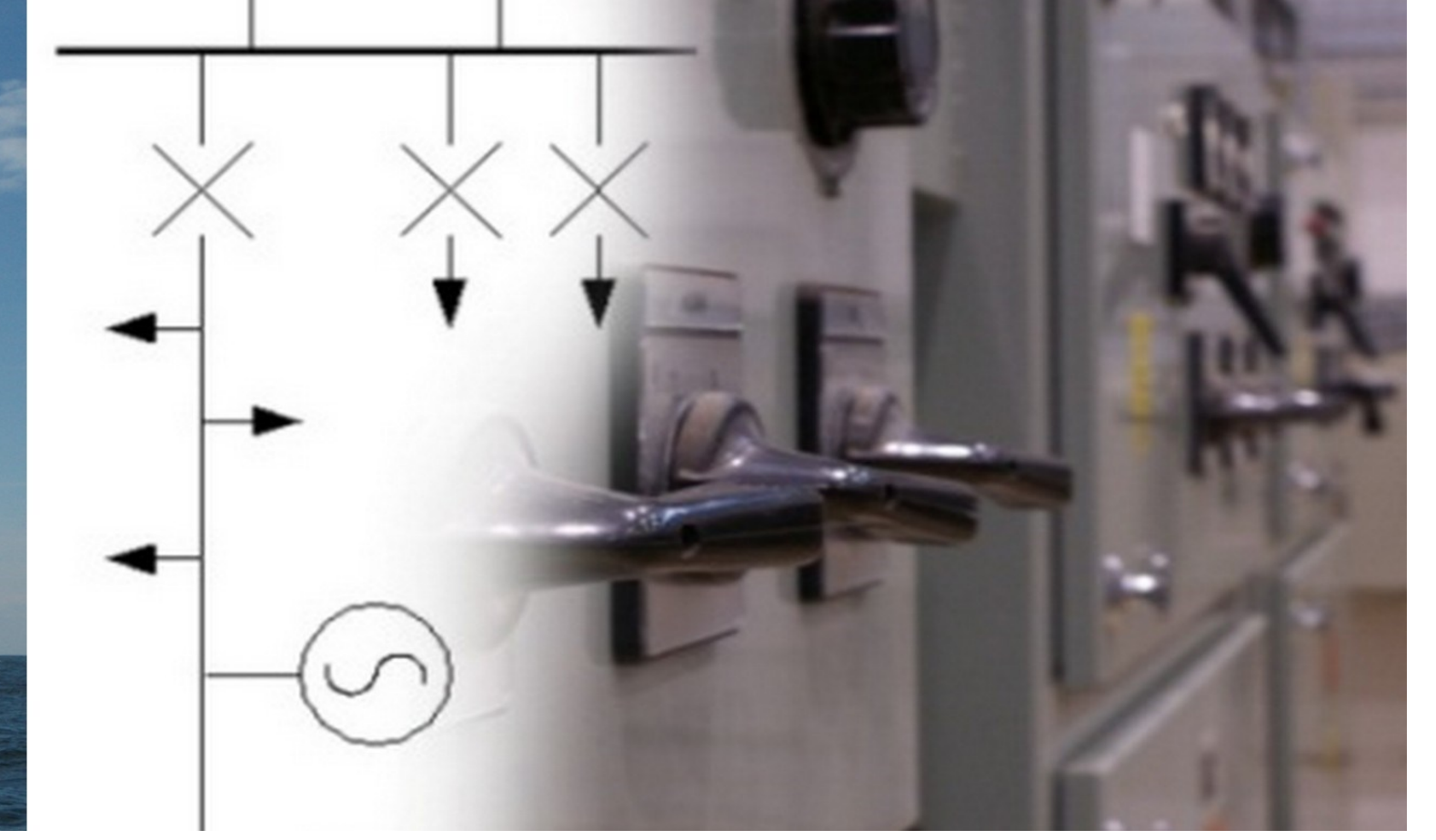
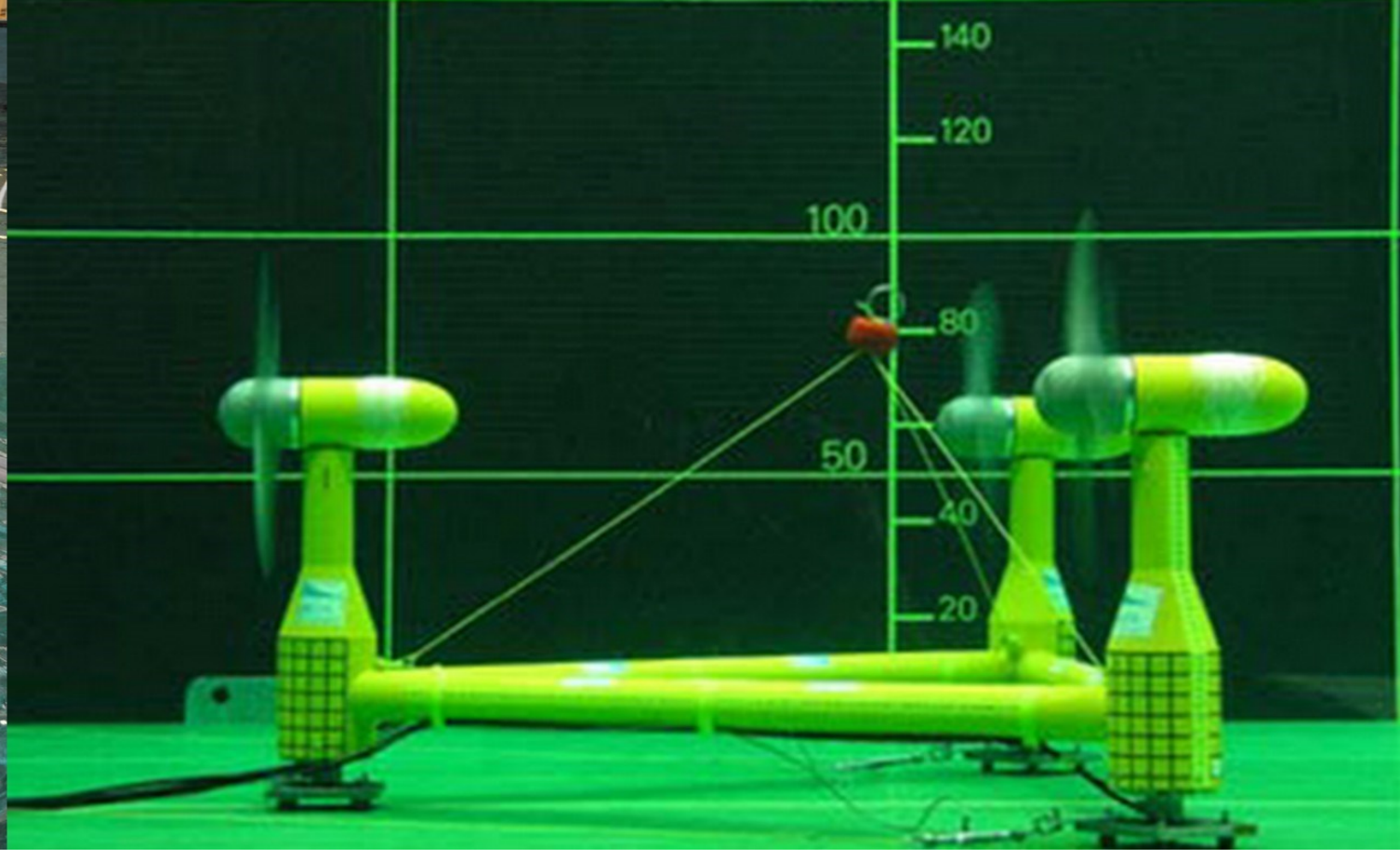
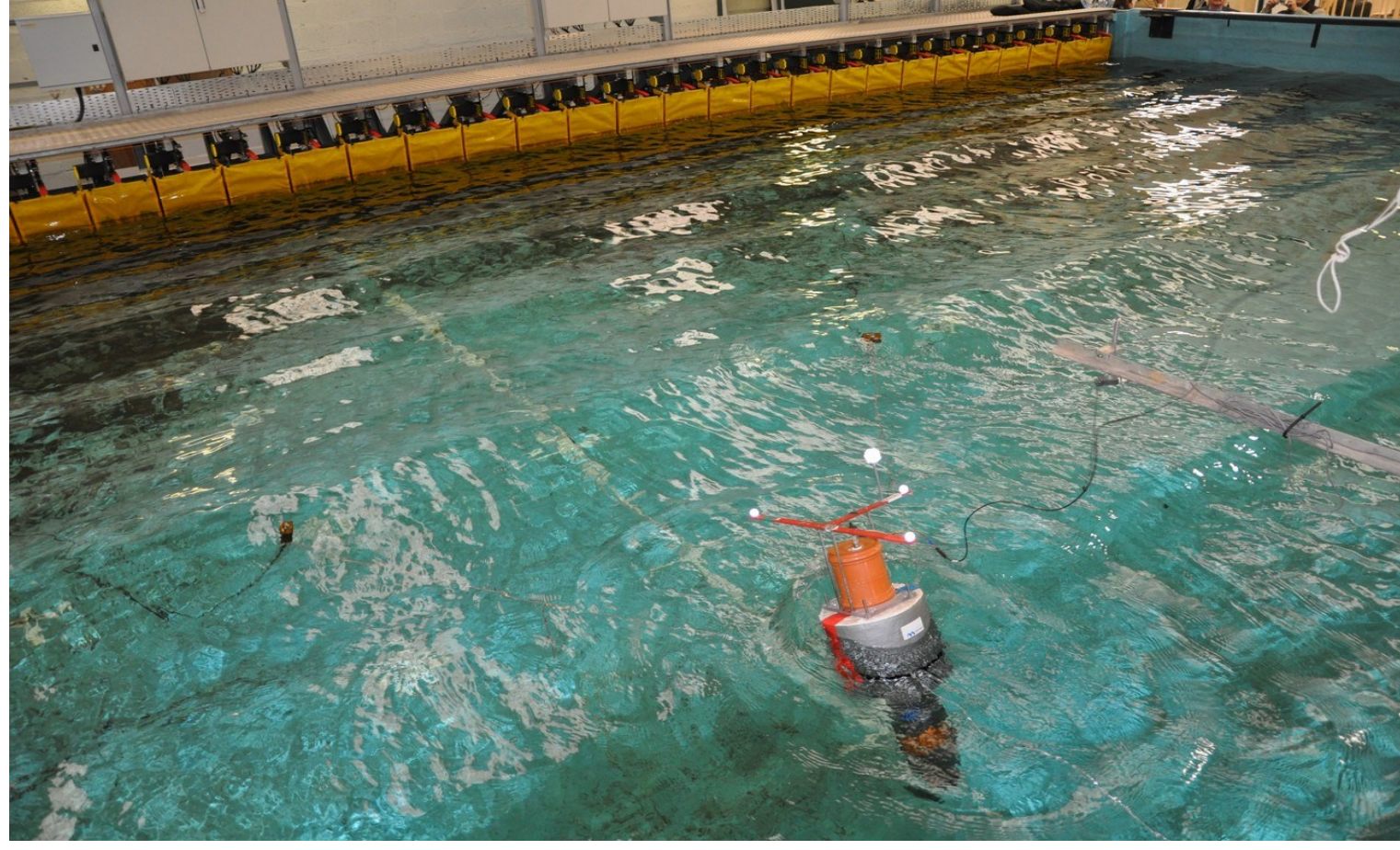




What is MARINET?

EC-funded marine renewable energy infrastructure initiative offering free-of-charge access to world-class test facilities and a streamlined approach to the testing process.

- 29 partners
- 12 countries
- 44 marine testing facilities available
- 4.5 year duration: April 2011—September 2015
- €11m budget

Why the need for MARINET?

- Coordinated approach is needed to streamline access, avoid research duplication and increase pace of development.
- Alleviate increasing facility access costs and cross-border access issues.
- Address technology failures by following structured technology development plans.

What does MARINET offer?

- Free-of-charge access to infrastructures & expertise
- 44 state-of-the-art facilities
- contribution towards travel costs for workshops & networking to enhance subsequent development
- Joint-activity by partners in parallel to:
 - adopt common test standards
 - conduct research to improve testing capabilities

Facilities Available

Area	Wave Energy	Tidal Energy	Offshore Wind Energy & Environmental Data	Cross-Cutting Areas e.g. Electrical /PTO/Materials etc
Small Lab	- AAU – Deep Water Wave Basin - QUB – Shallow Water Wave Tank - UCC-BEAUFORT – Ocean Wave Basin - UEDIN – Curved Wave Tank - UNI-STRATH – Kelvin Hydrodynamics Lab - UNIFI-CRIACIV Wave-Current Flume	- DTU – Current Flume with Carriage - UNI-STRATH – Kelvin Hydrodynamics Lab - USTUTT – Laminar Wind Tunnel - UNIFI-CRIACIV – Boundary Layer Wind Tunnel - UNIFI-CRIACIV Wave-Current Flume	- UNIFI-CRIACIV – Boundary Layer Wind Tunnel - UNI-STRATH – Kelvin Hydrodynamics Lab - USTUTT – Laminar Wind Tunnel	- SINTEF – Renewable Energy Lab SmartGrids - TECNALIA – Electrical PTO Lab - UCC-BEAUFORT – Rotary Test Rig - USTUTT – Turbine Test Rigs
Large Lab	- CNR-INSEAN – Wave Tank - ECN – Hydrodynamic and Ocean Engineering Tank - IFREMER – Deep Seawater Wave Tank - IFREMER – Wave-Current Circulation Tank - NAREC – Wave Flume - PU – COAST Coastal Ocean and Sediment Transport Laboratories	- CNR-INSEAN – Circulating Water Channel - IFREMER – Wave-Current Circulation Tank - PU – COAST Coastal Ocean and Sediment Transport Laboratories	- CNR-INSEAN – Wave Tank - ECN – Hydrodynamic and Ocean Engineering Tank - PU – COAST Coastal Ocean and Sediment Transport Laboratories	- DTU – Mechanical Test Facilities - DTU – PowerLabDK - IFREMER – Materials in Marine Environment Lab - NAREC – CPTC Energy Link Labs - NAREC – Nautilus Rotary Rig - UNEXE – Dynamic Marine Component Test Facility
Medium-Scale Site	- AAU – Nissim Bredning - EMEC – Real Sea Test Sites Orkney - SEAI-OEDU – Galway Bay	- EMEC – Real Sea Test Sites Orkney - QUB – Portaferry Tidal Test Centre - TTC – Den Oever Tidal	- AAU – Nissim Bredning - QUB – Portaferry Tidal Test Centre Data - SEAI-OEDU – Wave Site Data Galway	UNEXE – South West Mooring Test Facility
Large-Scale Site	- EVE – Biscay Marine Energy Platform - SEAI-OEDU – Belmullet Test Site	No Infrastructure Currently Available	- DTU – Database of Wind Characteristics - DTU – Mobile Offshore Wind Measuring - DTU – National Wind Test Site - ECNETH – Database of Measurements on OWEZ - NTNU – Full-scale wind measurement station - PU – HF Radar Environmental Monitoring Facility - SEAI-OEDU – Wave Site Data Belmullet - USTUTT – Offshore Nacelle LIDAR	- EVE – Mutriku OWC Plant - FH-IWES – Offshore Field Test Facilities - WAVEC – OWC Pico

Free-of-charge access to 44 facilities & associated expertise!

APPLY at www.marinet.eu

to access test facilities for:

- Wave Energy
- Tidal Energy
- Offshore-Wind Energy & Environmental Data
- Common Aspects e.g. Electrical, PTO, Materials etc.
 - Facility costs are paid by the EC
 - All scales available, from lab to sea
 - Open to companies of any size, research groups etc.
- Regular calls for applications



- Visiting leader and majority of visiting-group members must be based in the EC or an FP7-associated country
- Facility must be outside the country where the group leader and majority of group are based
- Testing results may be published (allowing for IP restrictions)

Further information

Web: www.marinet.eu
 Email: info@fp7-marinet.eu
 Coordinator: Beaufort, UCC, Ireland
 MARINET Group
 MARINETfp7

