

FaBTest

solar or wind devices.



Cornwall, UK

FaBTest is a proven test site in Falmouth Bay, within Harbour limits leased from Crown Estate, specifically for testing prototype, demonstrator, or experimental offshore devices that generate electricity from waves, tidal, solar or wind, along with related cables, instruments, and subsystems.

4.5km from Port facilities,
Skilled local fabrication at
APCL, Local vessel support

Ideal wave conditions and
water depth (20m-50m) for
small-scale demonstration

Historic wave data –
current live feed

Max tide height range c6.0m
and tidal current c0.8 m/s

6 DEVICES HAVE BEEN TESTED SO FAR AT
FABTEST SINCE IT FIRST OPENED IN 2011:

2012

Fred Olsen.
Installs BOLT Lifesaver wave
energy converter.



2015

Polygen Volta.
Prototype of Volta, Polygen's wave
energy converter, is deployed.



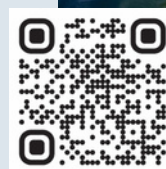
2018

Marine Power Systems.
Successfully installs its prototype
WaveSub wave energy converter.



2019

AMOG.
Tests its revolutionary new wave
energy converter.



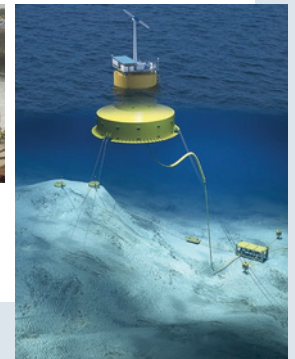
Scan the QR code
to view a film of the
Buoyant Production
Technologies Floating
NUI Demonstrator

2025

Buoyant Productions.

BPT has developed a scalable Floating Substation substructure that supports substation payloads in harsh environmental conditions. This green-energy Demonstrator has been at FaBTest to test and monitor technology for supporting Floating Offshore Wind (FLOW), subsea carbon capture and other offshore industries.

The simple, normally unattended buoy enables larger, deeper wind developments by transferring energy from deep-water sites to shore, and can also power and control subsea tiebacks from wellsites without long umbilicals, cutting CAPEX and host impact.



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FaBTest was selected over other UK test sites due to the ideal offshore wave environment, the track record of past successful testing on the site and the close availability of experienced contractors, such as the fabrication facility at APCL A&P Falmouth.

David Steed
General Manager
Buoyant Production Technologies

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2025

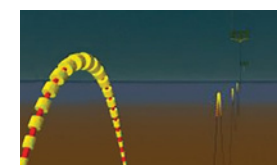
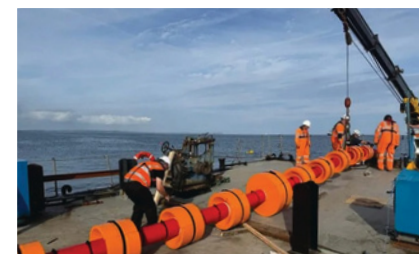
SeaThor. CableSpring.

Tests on SeaThor's patented CableSpring, a pioneering, dynamic cable protection system, have been carried out over the summer at FaBTest.

CableSpring is designed to enhance the durability of submarine power cables that connect floating offshore wind turbines to the grid in challenging shallow waters and energetic wave conditions.

FaBTest provides the ideal location for real-world sea trials. Excellent port facilities and local expertise provide the best support for research and testing.

Andy Simmonds. **SeaThor**

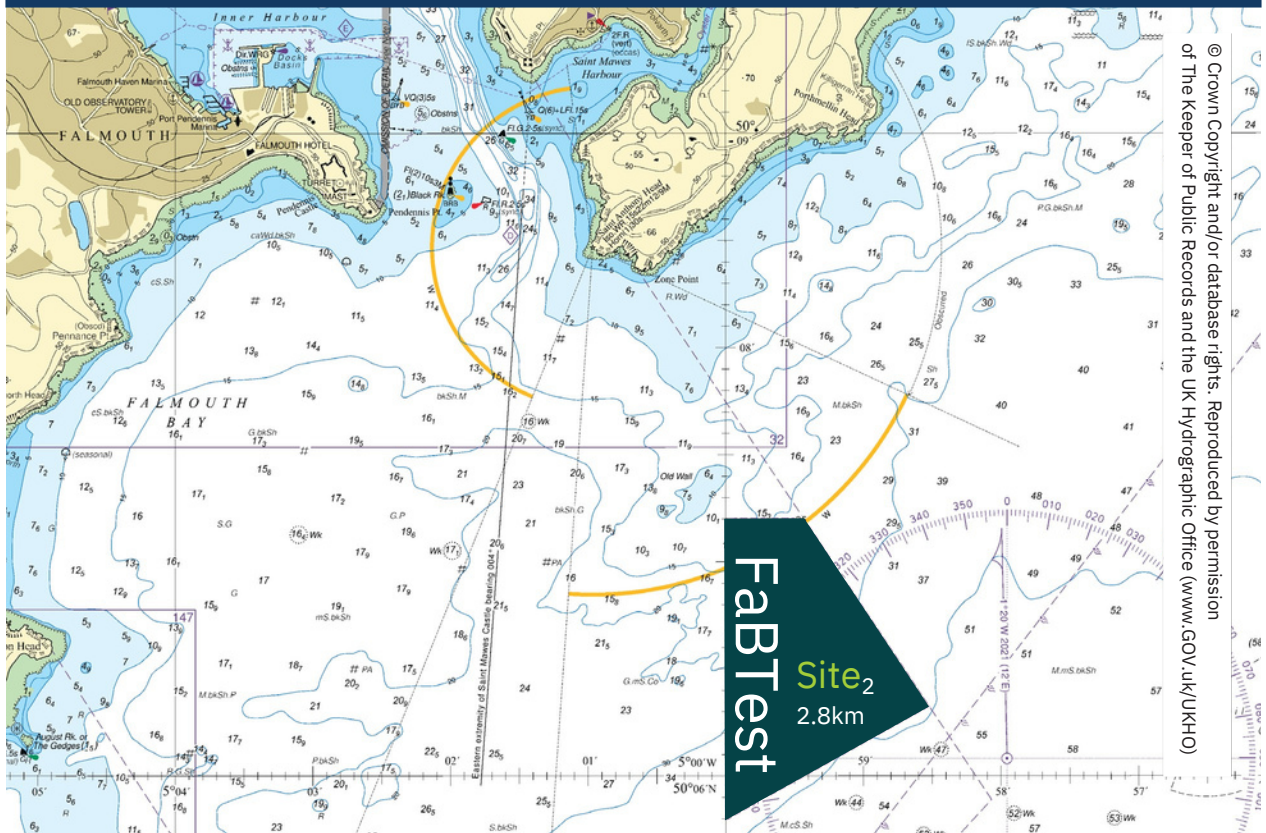


Falmouth Harbour and partners Celtic Sea Power and The University of Exeter can offer a range of services to support innovation in marine technologies. Support is available to developers including navigational safety advice, marine licensing support, monitoring and measurement of environmental conditions. Falmouth is also home to an array of organisations offering fabrication and marine services.

FALMOUTH HARBOUR

If you are interested in hearing more about FaBTest please contact the Falmouth Harbour team:

01326 213537 or
info@falmouthharbour.co.uk
or through our social media



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