



XOCEAN Delivers Multi-USV Carbon Neutral Operations in Europe & North America

XOCEAN News

As a valued member of the XOCEAN community, I wanted to take this opportunity to share news of some of the projects we've completed over the summer of 2020.

These projects have all been delivered using our unmanned technology with our team of USV Pilots and Online Surveyors working remotely from their home offices.

Covid-19 has highlighted the opportunities and benefits that remote working brings; as discussed recently in an article by Shell which you can find [here](#).

If we can support your ocean data needs



James Ives, XOCEAN

please don't hesitate to contact us at

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422km² Wide Area Survey | Irish Sea



In June, XOCEAN completed a wide area bathymetric survey in the eastern Irish Sea. Multiple USVs were used to complete the 422km² survey in depths ranging from 10m to 30m. Survey activity was carried out in a variety of conditions up to Sea State 5.

Norbit iWMBS | Valeport SWiFT SVP | QINSy

Sulmara | Seabed Survey | Aruba, Southern Caribbean

Over the summer XOCEAN and Sulmara Subsea joined forces to deliver a seabed survey off Aruba on behalf of SeaDrill. The USV completed the 26km² seafloor survey in 70m using high resolution multibeam. Read more [here](#).



R2Sonic 2024 | Applanix POS MV Wavemaster II | Valeport SWiFT SVP | QINSy

innogy | Gwynt Y Môr Offshore Wind Farm | North Wales



During June, XOCEAN completed the survey of 37 wind turbine foundations on the 576 MW Gwynt Y Môr offshore wind farm on behalf of Innogy Renewables UK. Read more [here](#).

R2Sonic 2024 | Applanix POS MV Wavemaster II | Valeport SWiFT SVP | QINSy

Briggs Marine | Cable Landings | Scotland

During August and September XOCEAN supported Briggs Marine in performing cable landing surveys on the Scottish east coast and the Orkneys. At high water, an XOCEAN USV was used to survey from the sea using high resolution multibeam and sub-bottom profiling. At low water, an UAV (Unmanned Aerial Vehicle) surveyed from the air and the two data sets were stitched together



Norbit iWMBS | Innomar Sub-Bottom Profiler | senseFly eBee UAV

Pipeline Survey | Gulf of Mexico



During August, XOCEAN completed a survey of a buried pipeline in the Gulf of Mexico, mobilising out of Port Arthur, Texas. Operating 24/7, XOCEAN's XO-450 completed the mission in 3.5 days using multibeam, sub bottom and magnetometer.

R2Sonic 2024 | Innomar Sub-Bottom Profiler | OFG SCM Magnetometer

BP | Data Harvesting | Central North Sea

In September, XOCEAN and Sonardyne completed another successful unmanned data harvesting operation at BP's North Sea Machar field.

The mission was successfully completed



in under 4 days with the USV covering nearly 300nm.

Sonardyne Mini Ranger HPT 3000

Growing Team & Growing Fleet

Growing Team

Over the summer, we were delighted to welcome several new members to the XOCEAN team across our Irish, UK and Canadian operations. We currently have a number of vacancies open, if you're interested in joining the marine robotics revolution, please visit www.xocean.com/careers/

Growing Fleet

The XOCEAN team have been hard at work bringing a number of new USVs into service. X-08 and X-09 are now heading off to join the rest of the fleet in Europe and North America on a variety of projects. X-10 and X-11 are in build and will be joining them soon.

About XOCEAN

Operating a fleet of Unmanned Surface Vessels (USVs), XOCEAN provides turnkey data collection services to surveyors, companies and agencies. From mapping the seabed to environmental monitoring, the platform offers a safe and economic solution to collecting ocean data. Benefits of this approach include:

- **Safety:** No personnel offshore.
- **Environment:** Fully carbon neutral.
- **Quality:** Exceptional data quality backed by quality guarantee.
- **Economics:** Fully inclusive fixed, lump sum pricing.

In the past 12 months, XOCEAN have delivered multiple projects for clients including BP, Shell, SSE Renewables, TOTAL, Equinor, Reach Subsea, MMT, PX Group, Seadrill,

Sulmara Subsea, innogy, Diamond Transmission Partners.

XOCEAN's management system is certified to ISO 9001 (Quality), 14001 (Environmental) and 45001 (Health and Safety).

For further information please visit xocean.com or contact us at info@xocean.com.



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