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3DMSI scans the horizon and identifies a great opportunity

Imagine there was a technology that could provide a 3D scan of the interior and exterior of a ship, including its systems, and synchronise that with the data provided by the ship's own onboard sensors. That's the breakthrough idea which 3DMSI plans to bring to market, with the support of an £80,000 grant from Marine-i.

Part funded by the European Regional Development Fund, Marine-i is designed to help the marine tech sector in Cornwall and the Isles of Scilly grow through harnessing the full potential of research and innovation.

3DMSI was originally focused on mine surveying but has successfully diversified into architectural surveys. The company employs leading edge technology, as their MD, James Jobling-Purser explains:

"We are the only private company in Cornwall operating a Z+F Imager 5010C laser scanner and producing 3D models, using some of the best software available. Our work on architectural scanning sparked an idea for an innovative solution for the marine industry:

"In the UK, Building Information Modelling is already a legal requirement for state buildings. We would like to offer a parallel service for ships and superyachts. Following the new legal requirements for the government building sector, we predict the same will happen in the marine industry, specifically with naval and commercial ships.

"Our new service uses 3D scan data to model a complete ship, including its systems, and pairs this with information from onboard sensors. Once this total scan package is completed, it can be used by design engineers and shipyards anywhere in the world to offer a superior service to their customers. We call this project '3D AMP.' It is a new technology that many shipyards will be crying out for very soon."

Professor Lars Johanning of the University of Exeter, who leads the Marine-i project, says:

"This is a model example of the kind of project that Marine-i was set up to nurture – strategic, innovative, loaded with growth potential, and in a specialised field of marine technology where Cornwall has a real opportunity to become world leader."

James Jobling-Purser adds:

"The grant we have received from Marine-i is a massive boost to our plans. We can now progress to 'real world' testing of 3D AMP and gear up for a full commercial launch in the summer of next year."

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NOTES FOR EDITORS

About Marine-i

Part funded by the European Regional Development Fund, Marine-i is a £9.3m collaboration between the Universities of Exeter and Plymouth, The Cornwall College Group, Cornwall Marine Network, Cornwall Development Company and the Offshore Renewable Energy Catapult. It brings together key infrastructure and expertise to enable technology innovation in the Cornwall and Isles of Scilly's marine sector, which has been identified as an area of high growth potential by the Cornwall and Isles of Scilly Local Enterprise Partnership. Full details can be seen at:
www.marine-i.co.uk

About the European Regional Development Fund

Marine-i has received £6,851,462 of funding from the England European Regional Development Fund as part of the European Structural and Investment Funds Growth Programme 2014-2020. The Department for Communities and Local Government is the Managing Authority for the European Regional Development Fund. Established by the European Union, the European Regional Development Fund helps local areas stimulate their economic development by investing in projects which will support innovation, businesses, create jobs and local community regenerations. For more information visit:
www.gov.uk/european-growth-funding

About The Marine Challenge Fund

This is a delegated marine grant scheme that has been specifically designed to drive marine sector research, development and innovation and help bring new marine products, processes and services to market. Subject to eligibility, reimbursable grants of £2,000 to £150,000 are available for projects with growth potential.
Businesses can also now access Rapid Innovation Grants. These are 100% grants of up to £2000 to help accelerate their innovation. The money can be used to purchase services or equipment to help take their ideas or innovation to the next level. For more information see:
www.marine-i.co.uk/services#grants

About 3DMSI

The company is staffed by a quality driven team of geospatial surveyors. They draw upon a wealth of knowledge acquired from diverse backgrounds rooted in both small and large scale projects.
Using innovative laser scanning technology to measure, plan and visualise environments, 3DMSI can help improve communications and efficiency in design and construction, regardless of project size. The company's drive to surpass expectations means they are always willing to explore new possibilities and push the boundaries to deliver the value they know this technology offers.
3DMSI uses precision 3D laser scanners to offer a safe and highly efficient surveying service to a wide range of industries. By processing data with industry leading software, 3DMSI can offer a range of outputs from simple 2D plans and 3D models to as-built Building Information Modelling.
For more information, visit:
www.3dmsi.co.uk