

Texcel Technology

Electronic
Manufacturing
Solutions



Ocean Challenges

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Texcel Technology has been supporting technological design and manufacturing for over 30 years. Based in the United Kingdom near Dartford, Kent, Texcel provides innovative electronic solutions to customer specific requirements in the marine, subsea and land environments.

Our internal teams are able to complement our clients with concept designs, circuit generation and PCB layouts, embedded firmware and complete validation testing. This, coupled with our internal electronic manufacturing services, make Texcel an experienced European based partner at the cutting edge of emerging technologies.

Texcel has specific experience within the ocean environment, supporting a number of national and international projects offering a wide range of solutions.

These include:

- Texcel has designed and supplied the Low voltage power switching electronics, element managers, and overall Network Management System for the new Regional Scale Nodes
 - RADAR processing systems with image analysis and tracking
 - Instrumentation systems for refraction measurement
 - Gas analysis for O₂, CO₂, NO_X, NO, SO₂, CO
 - High speed spectrum analysis of gas samples and storage of the sample data
 - Ship and towed array high reliability gyroscope systems
 - Nodes and shore control of the NEPTUNE, Canada's cabled observatory system*. Node control and monitoring elements have been designed and supplied by Texcel together with the shore server data collection system
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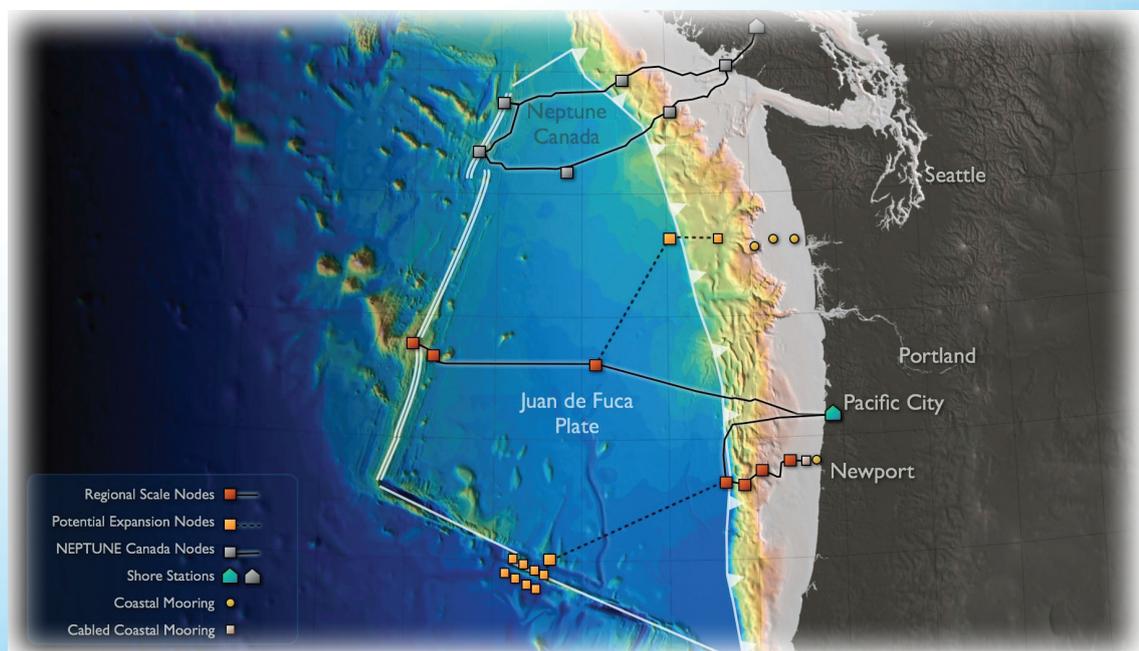
Texcel's in-depth understanding of telemetry systems and data transmission back to central servers allows us to provide full remote management and data gathering solutions. Texcel prides itself on its strong and trusted client relationships. To discuss your current or future requirements, please contact us.

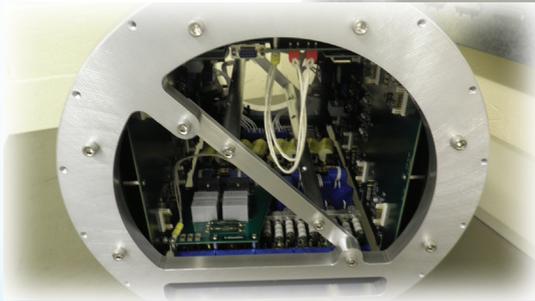
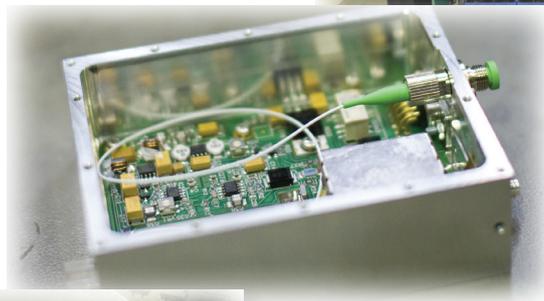
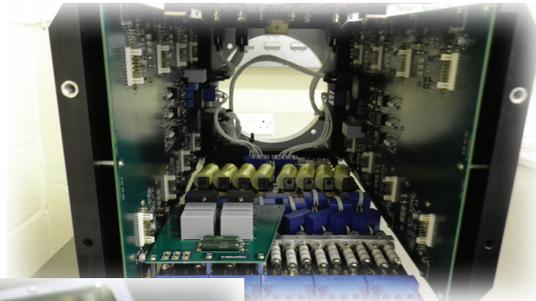


Regional Scale Nodes

Texcel is currently working with our partner L3-Maripro in the USA on the new Regional Scale Nodes, which is the latest cabled observatory system led by the University of Washington (UW) in Seattle and is a component of the National Science Foundation's (NSF's) Ocean Observatories Initiative (OOI). The system will be a vast network of ocean observing sensors and mobile robots interconnected by nearly 800 km of fibre optic cable on the Juan de Fuca Plate off the Washington and Oregon coasts.

*Courtesy of L3- Maripro Inc.





Contact us today so that we can start the process of being your preferred supplier.

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