

Insight Marine Projects Ltd

Case Study: PowerBuoy Installation Support

Name >>	PowerBuoy Installation Support
Client >>	Ocean Power Technologies Ltd (OPT)
Location >>	Santoña, Northern Spain
Project Type >>	Renewables (Wave)
Scope >>	Surface and subsea positioning and provision of post-installation ROV inspection

DETAILS >>

Insight Marine Projects Ltd successfully provided expertise during the installation of three large concrete gravity based anchors (GBAs) for OPT's PowerBuoy wave energy device in Santoña, Northern Spain. The PowerBuoy, which converts wave energy to useable electrical power, is the largest device of its kind deployed by OPT and forms part of the first phase of its partnership with Spain's leading power utility Iberdrola S.A.

KEY ASPECTS >>

- >> Significant challenges for safe and accurate deployment in a high energy environment.
- >> Precise positioning within tight tolerances for the pre-fabricated mooring gear.
- >> Monitoring GBA deployment orientation to ensure relative pre-planned laydown positions are maintained.
- >> Provision of post-deployment ROV inspection at 40-50m and against strong currents.

PowerBuoy - Santoña, Northern Spain.



"Insight Marine Projects provided a professional, reliable and highly adaptable service during this challenging project."

Paul Jones, Ocean Power Technologies Ltd.



19A Normandy Way, Bodmin, Cornwall PL31 1RB
Tel/fax +44 (0)1208 77033 info@insight-marine.co.uk
www.insight-marine.co.uk

Insight Marine Projects Ltd

Company Profile

Insight Marine Projects Ltd is a marine survey specialist providing construction support, hydrographic survey, site investigations, precise surface/subsea positioning, ROV inspections and cable location & burial assessments.

Established in 2005, the company is ISO 9001:2008 accredited, reflecting its ongoing commitment to providing a professional and quality service.

Insight Marine Projects Ltd works with both the public and private sectors across a wide variety of industries in the UK and globally. Its broad client base includes renewables device developers, offshore construction companies, government agencies and ports & harbour authorities.

With expert personnel and access to the latest technologies Insight Marine Projects Ltd is able to provide a tailored service for each client's unique requirements.

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Services >>

Hydrographic Survey

Site Investigations

Construction Support

Precise Positioning

ROV Inspection

Cable Burial Assessments



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