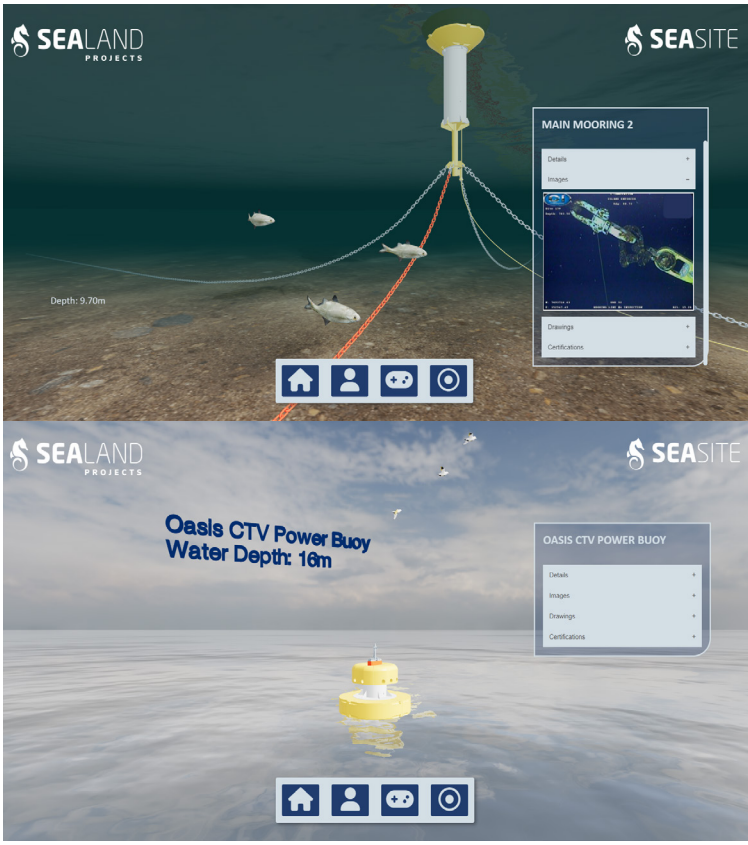
SEALAND PROJECTS

RENEWABLES | OIL AND GAS | OCEAN SYSTEMS | PATHWAY TO NET ZERO

CASE HISTORY

Seasite Subsea System Viewer



Project Description

Sealand Projects is currently in the process of creating a web-based viewer designed to empower our clients with the ability to access and interact with their offshore assets in a three-dimensional digital environment, all from the convenience of a web browser.

This platform will not only provide a 3D visualisation of their assets but will also offer comprehensive access to essential supporting documentation and detailed information about these assets. Moreover, clients will have the opportunity to access recorded sensor data through the website, which will offer invaluable insights into the performance and actions of their assets.

Our Scope

Sealand Projects' scope is to develop the system from scratch and make it accessible via a secure login portal on the Sealand Projects website.

The system must be able to store a large volume of data describing various assets owned by a range of clients, including recorded sensor data. It must also have the capability to handle a wide array of assets and be flexible enough to manage various offshore environments and facilities while providing a highly performative viewer that can display asset data in an informative and visually pleasing manner through a web browser.

Deliverables

Fully functional React / MongoDB / ThreeJS based website.

Key Facts

Client:	Internal / Part funded by the ETZ
Location:	Various
Water Depth:	Various
Date:	Q1 2023 - Q4 2023
Project Reference:	P0781

Services Provided

Package Management
Business Assurance
Carbon Management
Energy Transition
Engineering Design and Analysis
Marshalling, Transport, Installation and Field Support
Floating systems, Towing, Mooring and Hook-Up
Visualisation and Digitalisation

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