

# CASE HISTORY

## ZOEX Active Fender Animation

### Project Description

Zoex Power's Active Fender wave energy concept is an innovative clean energy system for attaching to marine platforms, vessels and other marine structures.

Sealand Projects were asked to develop a Project Execution Plan to take the Wave Energy Converter from Design Concept through to full scale FEED, supporting Zoex to secure funding and attract investors.

Sealand Projects identified a field trial location, temporary balance mooring system design and WEC connection detail to barge.

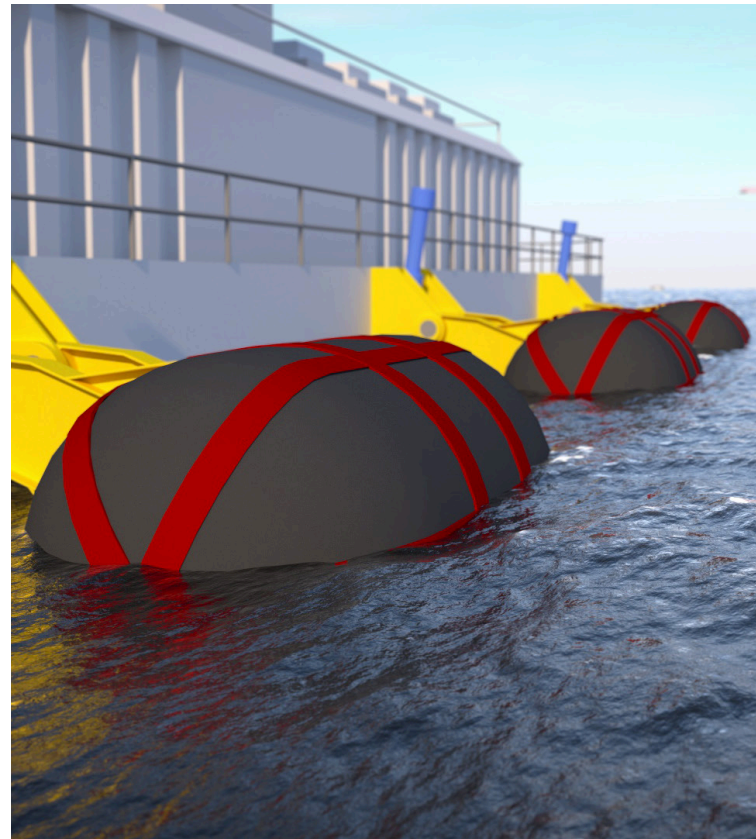
### Our Scope

Sealand Projects developed a succinct 3D animation using STP files and components to show the Active Fender in use in various settings and locations, fully highlighting the capabilities and potential usages, including the function of the devices in operational mode, transportation mode and storm protection mode.

The animation was further supplemented with music and voiceover to help showcase the capabilities for use within industry, identifying the various offshore applications which it may be suitable for, including barge use, offshore wind, aquaculture, breakwaters or as a standalone application.

### Deliverables

3D animated promotional video;  
Identification of Field Trial location;  
Mooring system design;  
Barge Specification;  
Budget cost for Field Trial.



### Key Facts

<b>Client:</b>	ZOEX
<b>Location:</b>	UK
<b>Water Depth:</b>	N/A
<b>Date:</b>	Q2 - Q3 2021
<b>Project Reference:</b>	P0497

### 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**

### For more information:

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