

# SWANSEA TIDAL LAGOON

The UK's commitment to carbon reduction has driven the promotion of on and offshore renewable energy projects throughout the UK and its territorial waters. Swansea Bay Tidal Lagoon is the first purpose built tidal range power station in the world and represents a new generation of renewable carbon free energy production for the UK. The lagoon have a net annual power output of over 500 GWh per annum; enough to meet the annual electricity requirement of over 155,000 homes, or over 90% of homes in the Swansea Bay area.

The masterplan proposal includes provision for a national sailing centre and new visitor centre adjoining the turbines which form part of a new maritime park that extends along the full length of the impounding sea wall and intertidal shore. A new beach and saltwater marsh are also proposed. *LDA Design* are advising Tidal Lagoon Power Ltd on their fleet of lagoons and was appointed as project advisor, masterplanner, lead design consultant and landscape architects for the public realm for the Swansea Bay Tidal Lagoon project. Our work included support to the design development phase and the preparation for the DCO planning application. We are retained as masterplan guardians through the design development phase and discharge of the DCO requirements.



CLIENT  
Tidal Lagoon Power

LOCATION  
Swansea

PARTNERS  
Atkins, Juice Architects, Faulkner Brown, Costain, HR Wallingford

SERVICES USED  
Masterplanning, Landscape Design  
Planning, Contextual Planning and Assessment,  
Environmental Impact Assessment, Strategic  
Environmental Planning, Stakeholder Engagement,  
Consultation and Communication

BUDGET  
Fee - Confidential, Construction - £1 Billion

AREA  
1900 hectares

- 1 Lagoon wall extending to the turbines
- 2 Visitor centre and rock pools  
(Image courtesy of Juice Architects)
- 3 Sailing Centre  
(Image courtesy of Faulkner Browns Architects)