



Consulting · Engineering · Implementation

ITP OFFSHORE CONSULTING



www.itpowergroup.com



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EXPERTS IN OFFSHORE RENEWABLE ENERGY CONSULTING

ITP has been working in offshore renewables for over 25 years and is widely recognised today as a leading international player in the sector.

Thanks to its considerable experience in wave, tidal and wind technologies, ITP is uniquely able to offer consulting and technical engineering services that encompass a wide range of disciplines, from site selection, due diligence and licensing through to engineering design, installation, commissioning and maintenance.

All ITP's consultants are skilled professionals, offering a particular area of expertise and they come together in bespoke, international teams to suit the requirements of each offshore assignment.

In recent years, clients have ranged from governments and NGOs to project developers and technology device developers.

FROM CONSULTING TO PROJECT DELIVERY

Typically, our clients come to us with a specific, single-focus challenge, but this often develops into a longer term relationship as they realise that our in-house expertise can help support them throughout the development life-cycle of their technology and projects. We help advise from the initial technical feasibility study right through to the project management of deployments.

INDEPENDENT EXPERTS

Every day, ITP's Offshore team is working on a variety of projects for different clients all over the world.

Here are a few recent examples:

Project management and engineering

Pulse Tidal Ltd. is a tidal stream device developer and for the past five years, ITP has provided a full project management and engineering service to the company, from concept design to installed prototype. ITP has also helped Pulse secure EC FP7 grant funding of 8 million Euro to fund the development of the next stage of its 1.2MW demonstrator.

Site survey and economic analysis assessment

The States of Jersey commissioned ITP to carry out a full Tidal Resource Study to survey the tidal stream energy potential of the seas around the island. To obtain accurate data, ITP deployed a two-man team on site for two weeks, taking measurements using acoustic Doppler profiling equipment to verify tidal modelling predictions. This data was then downloaded into ITP's bespoke software to create a tidal energy map of the region and a techno-economic assessment of the resource. Recommendations were then made as to how the resource could best be exploited.

Due diligence survey

When the China Longyuan Power company received support from the World Bank to develop a 20MW tidal barrage project at Jiantiao in China, ITP conducted a due diligence survey of the design work to enable an informed decision to be made on the overall viability of the project. This assignment was carried out by ITP's teams in China and the UK.

Environmental and financial assessment

ITP was commissioned by the Department for Energy and Climate Change (DECC) in the UK to lead a consortium to assess and estimate costs for a number of alternative schemes to the proposed Severn Barrage, focusing on low environmental impact and minimal effect on shipping in the Bristol Channel. This report indicated that fences using large numbers of tidal stream generators could provide significant power with an acceptably small level of environmental impact.

Our Offshore Consulting services include:

- ✓ Project management
- ✓ Market analysis
- ✓ Resource assessment
- ✓ Licensing support
- ✓ Feasibility studies
- ✓ Due diligence
- ✓ Yield assessment
- ✓ Performance analysis
- ✓ Training

Our Offshore Engineering solutions include:

- ✓ R & D
- ✓ Technical specification
- ✓ Technical design
- ✓ Modelling
- ✓ Mechanical engineering
- ✓ Electrical engineering
- ✓ System controls

CONTACT US TODAY -
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**ITP OFFSHORE – YOUR
PROJECT PARTNER
FOR OFFSHORE
RENEWABLES**

If you are looking for a reliable partner to support the development of your offshore renewable energy project or technology, then please contact:
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Excellence in sustainable energy and climate change consulting