

# ITPEnergised

## Trusted Technical Advisor

## Oil & Gas Sector

“We believe passionately in the world’s transition to net zero. We are a team of trusted technical advisors who meet and exceed our clients’ aspirations.”





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# In numbers



## ITPEnergised



> 75% repeat business



Helped 190 clients achieve carbon targets in 2020



> 65 countries, > 30 developing countries



> 10 locations globally



Directly driving 7 of 17 UN SDGs

*7. Clean energy 8. Economic growth 9. Industry and Infrastructure  
10. No inequality 11. Sustainability 13. Climate action  
17. Partnership*



Our motivated staff are key to us and our clients



Delivered > £50M in energy and Co2 savings



Commercially minded & technology-enabled

# Passionate about Net Zero



## Our passion



**We specialise in bringing our clients low carbon transitions plans to reality.**

We work across the asset lifecycle supporting both regulatory requirements but enhance asset stewardship strategies including environment, social & governance (ESG) reporting whilst maximising economic recovery (MER) for our clients leading to the delivery key areas of expertise:

### Sectors:

- Oil and gas – energy transition
- Onshore renewables
- Offshore renewables
- Industry and manufacturing
- Property & Infrastructure

### Expertise:

- Decarbonisation Strategy
- Identifying opportunities
- Engineering
- Future Proofing



# Why we are different



## Differentiation



We apply our knowledge to help your transition to a decarbonised future:

- ✓ Numerous scopes executed across the asset portfolio tackling operational, production and environmental challenges
- ✓ Bringing lessons learned from decades of experience of working with operators internationally
- ✓ Onshore & Offshore
- ✓ ESG and stewardship strategies
- ✓ Physical surveys including emissions measurement and desktop studies
- ✓ Dedicated multidiscipline teams across all technical disciplines
- ✓ Breadth of capability across all future opportunities including CCUS, Hydrogen
- ✓ Electrification modelling & grid connection
- ✓ Vast renewable experience /fixed and floating offshore wind and renewables technologies
- ✓ Energy integration experience

# How we work with you



## Engagement



### We think win-win and full project life cycle to help our clients grow:

- We apply a pragmatic and focused approach to key account management
- We identify relevant trends and innovation:
  - Emerging technologies and future best available techniques
  - Key regulations that drive investment opportunities and risks
  - Market size, growth and behaviour in short and medium term
  - Strategic actions of participants and our network
- We are then better placed to understand your wider goals
- We join the dots with other ITPE services that may be of benefit
- We close gaps in expertise needed with our comprehensive network

# Our expertise



## Corporate advisory



### ESG & Sustainable Development and Finance

- ESG strategy and performance
- Impact investing
- Stakeholder engagement
- Carbon strategy
- Compliance and diligence
- TCFD alignment
- Benchmarking (CDP, SDGs)
- GHG reporting and verification
- Programme management
- Capacity building and training



### Energy and Low Carbon Transition

- Energy management system design and auditing
- Energy and carbon permitting
- Decarbonisation and net zero strategy planning
- Technical and commercial feasibility assessments
- On-site energy generation feasibility
- Energy Performance Certificates
- Behavioural change programmes



### EHS, Permitting & Compliance

- Applications, variations and surrenders
- MAT & SAT's
- OPEP's & RBA - Produced Water
- Emissions monitoring and assessment
- Air Quality modelling (ADMS, Aermid, Puff)
- Environmental Management Systems
- Regulator and stakeholder liaison
- Compliance support
- Improvement conditions



### Asset Management & Technical Due Diligence

- Technical asset management
- Financial asset management
- Technical due diligence
- Technical advisory and Client's Engineer
- Solar design



### Air Quality & Acoustics

- Odour and Noise monitoring
- Modelling and interpretation
- Liaison with stakeholders
- Odour and Noise control and abatement
- Best Available Techniques assessment and justification
- Cost benefit analysis
- Private nuisance support

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# Our expertise



## Environmental Planning



### Environmental & Social Impact Assessment

- Constraints assessments
- Feasibility, screening, scoping
- ESIA project management
- Regulatory consultation
- Technical disciplines
- Stakeholder engagement
- Public inquiry
- Expert witness
- Decommissioning Comparative Assessments



### Ecology & Ornithology

- Habitat and botanical survey
- Preliminary Ecological Assessment
- Specialist species surveys
- Biodiversity enhancement
- Habitat management plans
- Marine Growth Assessments



### Construction Environmental Management

- Licensing support
- CEMP
- Environmental monitoring
- Habitat management
- Environmental clerk of works
- Ecological clerk of works



### Flooding & Hydrology

- Flood risk assessment
- Hydrological assessment
- Peat management
- Surface water management
- Groundwater Dependent Ecosystems

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# Our expertise



## Technology



### Engineering

- Technology review
- Engineering review of systems design
- Substation site selection and routing designs
- Cable design including dynamic loading and asset reliability
- Substation layout design
- Grid connection concept
- Micro grid concept costing
- Private wire design



### Power Systems

- Load flow studies and reactive power capability, compensation equipment specification and optimisation
- Short circuit (fault level) equipment rating
- Transient network strength studies and stability (SCR, weak grid)
- Electrical losses assessment and design optimisation
- Grid Code compliance tests, studies and model validation
- Cable rating, including offshore dynamic cable rating
- Network constraint modelling



### Development Project Management & Grid Services

- Project design development and management
- Site finding and resource assessment
- Grid application preparation, support and due diligence
- Network connection costing
- Procurement support
- Programme management



### Regulation Services

- Licensing, exemptions, regulatory requirements, metering systems, obligations and arrangements.
- Grid connection costs
- System charges (TNUoS, GDUoS)
- Balancing charges (BSUoS)
- Transmission loss multipliers, benefits and credits, underwriting and security requirements.
- Charging arrangements for transmission and distribution connected projects.
- Provision of consultation briefings and responses to help our clients be heard and protect their projects.

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## Some of our clients



Petrofac





# Client Testimonials



## What clients say about us

- “Extremely happy with the project team, delivered... to a very high standard, solutions driven and go the extra mile, depth of sector and peer knowledge” – Neo Energy
- “It’s of high quality, it’s done on time and it’s what you need to get the job done” – Exceed
- “Excellent / pleasure to work with” – Jersey Oil and Gas
- “Pretty bang on” – Serica Energy
- “Excellent” – Spirit Energy







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## ITP Energised Group offices in:

Bristol, London, Edinburgh, Glasgow, Aberdeen, Lisbon, Madrid, Delhi, Beijing, Canberra and Auckland

Onshore Renewables & Storage | Offshore Wind & Marine Renewables  
Corporate, Industrial & Manufacturing | Property & Urban Regeneration  
Oil & Gas

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