

ITPEnergised

Trusted Technical Advisor

Oil & Gas Transition 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 environmental, 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 & Storage
- Offshore Wind & Marine Renewables
- Corporate, Industrial and Manufacturing
- Property & Urban Regeneration

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 ITP Energised 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
- 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



Ecology & Ornithology

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



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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Our expertise



P3M



Project Management

- Setting project brief
- Business case support
- Appointing, leading and motivating the team
- Managing risk, change, finances and progress
- Service agnostic leadership & drive
- Managing progress vs plan
- Procurement and contract management
- Stakeholder management
- Guardians of guidelines and quality
- Controlled project closure & recycling LfE



Programme Management

- Coordinated management of inter-related projects
- Time, resource and capital management
- Matching team & technology to strategic vision
- Providing interdisciplinary input
- Stakeholder management
- Using lessons learned to add efficiency
- Managing relationship between projects and programme
- Delivering the big picture



Portfolio Management

- Selection & prioritisation of opportunities through the funnel
- Developing & managing portfolio roadmap and plan
- Establishing suitable governance framework
- Developing portfolio team
- Maintaining whole portfolio overview
- Coordinating interdisciplinary expertise
- Identifying Lessons Learned and harnessing LfE
- Delivering better overall outcomes



Development Management

- Full wraparound service for whole development process
- Holistic whole project overview
- Client's advisor
- Collaborative project brief setting
- Coordinating multidisciplinary teams
- Managing stakeholders, public consultations
- Full appraisal of new opportunities (due diligence, feasibility studies etc)

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Our expertise



Technical Safety and Risk



Risk Assessment

- Hazard Identification
- Failure Modes and Effects Analysis (FMEA)
- Physical Effects Consequence Modelling
- Qualitative/Deterministic Risk Assessment
- Quantitative/Probabilistic Risk Assessment
- Environmental Risk Assessment



Risk Management

- Risk Reduction and ALARP Assessment
- Bowtie Risk Management
- Process Safety Management
- Functional Safety
- Reliability, Availability and Maintainability (ARM) Assessment
- Safety Assurance
- HSSE/Safety Cases
- HSSE Management Systems



Risk Control

- Asset Integrity Management
- Independent Review and Verification
- Competence Management
- Culture and Behavioural Safety

Helping our clients...

...understand what can go wrong and the consequences of this to people, the environment, business, assets and reputation.

...implement the systems (Plant, Processes and People) to reduce the associated risks As Low As Reasonably Practicable (ALARP).

...ensure these systems work effectively throughout the lifecycle of the asset to support safe, effective and sustainable operation and minimise loss.

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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 Transition

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OGUK

