

ITPEnergised

Trusted Technical Advisor

Onshore Renewables & Storage 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 > 220 RE & storage projects in 2020



Commercially minded & technology-enabled

Passionate about Net Zero



Our passion



Your Net Zero and ESG delivery partner:

At ITP Energised we're passionate about Net Zero. Our team of industry leading trusted technical advisors meet and exceed our clients' aspirations. Our agile and flexible delivery team works to refine and enable positive changes to environmental, social and governance (ESG) factors and decarbonisation strategies, and to deliver fully practicable solutions.

We work in partnership with our clients to optimise the efficiency of existing assets and facilitate transition to low and zero carbon energy at corporate and site level. In addition, our environmental compliance and impact assessment specialists reduce regulatory/planning burdens and provide exceptional advice and practical solutions.

Sectors:

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

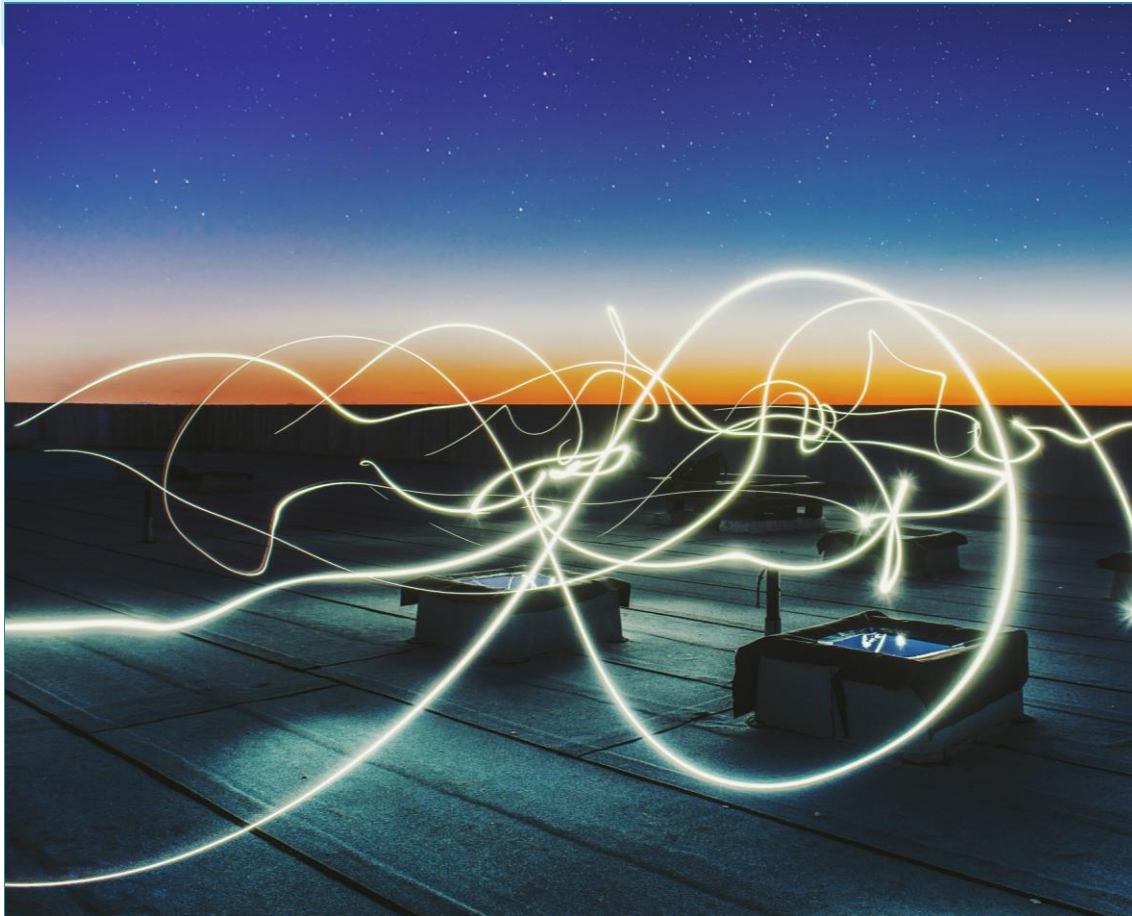
Expertise:

- Advisory
- Environmental Planning
- Technology
- P3M
- Technical Safety & Risk

Why we are different



Differentiation



We think outside the box to help you transform your business:

- Understanding your bird's eye view on wider goals and objectives
- Bringing our passion, commitment and focus to your projects
- Delivering high quality, on time, on budget projects
- Bringing innovation and problem solving solutions
- Being confidently curious in all that we do
- Becoming an extended part of your inhouse team and advisors
- Understanding the commercial implications of technical discovery
- Challenging the status quo where it adds value – revenue, cost, time
- Thinking long term – pipeline, portfolio, platform - not just one project

How we work with you



Engagement



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

- We identify relevant trends and innovation:
 - Market size, growth and behaviour in short and medium term
 - Strategic actions of participants
 - A commercial view of the implications of sector trends
 - Key regulations that drive investment opportunities and risks
 - Thought leadership across emerging topics of client interest
 - Activate networks to provide multi-disciplinary outcomes
 - Work with sister companies to provide international coverage
- 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
- We bridge relationships between clients to build net zero momentum where needs can be met in a win-win environment

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



Alpha Real Capital



hoolanenergy



equitix

aggreko



Client Testimonials



What clients say about us

- “Cooperative and friendly local team” – BayWa r.e.
- “Excellent work from team getting this application submitted” – Scottish Power Renewables
- “Delighted by work / proactivity” – Scottish and Southern Energy
- “Amazing job all and thank you for never dropping the ball, you have managed the application incredibly” – 3R Energy
- “Thanks and well done on successful completion” – Alpha Real
- “Very diligent, logical and thorough” – Orkney Islands Council



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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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