

Specialist services for the Space Industry

ITP Energised is a trusted advisor providing client-focused, reliable, commercially minded, environmental and energy consulting services.

We are proud to be supporting the UK's emerging and fast-developing space industry and our specialist services are offered from a position of direct, recent and relevant experience and draw on our multiple expert teams. We provide support tailored to your unique requirements, ranging from individual specialist surveys through to complete management of environmental, planning and licensing processes.

Spaceport Development

We can support from the very beginning with site selection and constraint/red flag reports, offer planning and consenting support on specialist areas such as air quality, climate change mitigation and resilience, biodiversity, flood risk and peat probing studies; we can also completely manage the process acting as your agent where required.

Spaceport Environmental Impact Assessment (EIA)

EIA may be required for spaceport developments. We delivered the EIA Report for Shetland Space Centre, a vertical launch spaceport planned for the island of Unst, Shetland. This was the culmination of over two years of detailed environmental assessment and set out the likely significant environmental effects of the spaceport and the controls in place to minimise and mitigate those.

Spaceport and Launch Operator Licensing

The Assessment of Environmental Effects (AEE) Report is a crucial part of the Licensing application process. We have recent comprehensive experience of preparing AEE reports including the benefit of direct discussions with the Civil Aviation Authority (CAA), the Department for Transport and the UK Space Agency on emerging expectations.

Compliance Launch vehicle testing

We have proven approaches and test protocols for noise and air quality. Noise services include monitoring (baseline and operational) and predictive noise modelling for engine tests and launches; including directivity assessments and treatment of sonic booms. We also provide marine risk assessments for coastal and transboundary waters.

Satellite Manufacturing

We offer rapid regulatory reviews and compliance assessments for industrial processes of all scales, advice on achieving and maintaining compliance, and permit and variation applications where required.

Net Zero

The drive towards decarbonisation cuts across every part of the space industry, from managing operations to disclosing carbon data as a responsible member of the supply chain. Our core purpose is to facilitate our client's drive towards net zero; from the development of strategies, evaluation and footprinting, to cost-effective and practical interventions at site level.

