



# ADVANCING INNOVATION IN INDUSTRIAL ENERGY EFFICIENCY & DECARBONISATION

## WHAT IS THE INDUSTRIAL ENERGY TRANSFORMATION FUND?

In 2020, the UK Government launched the Industrial Energy Transformation Fund (IETF) to support businesses to install energy and carbon reduction measures. It is a crucial part of the Government's strategy for tackling climate change and reaching Net Zero by 2050.

The fund aims to support the transition of industrial processes to low carbon solutions to reduce:

- energy bills
- carbon emissions
- investment risk

## FUNDING AVAILABLE

Now in its second phase, the fund offers £289m to support businesses with high energy use to transition to a low carbon future and to cut their through increased energy efficiency.

Successful proposals will be awarded grants which can cover 25% to 75% of costs depending on the type of project and business size.

- Energy efficiency deployment projects can apply for grants of £100,000 to £14 million
- Deep decarbonisation deployment projects can apply for grants of £100,000 to £30 million
- Engineering studies can apply for grants of £50,000 (total eligible cost) to £14 million
- Feasibility studies can apply for grants of £30,000 (total eligible cost) to £7 million

**£289m** Funding Pot

## What are the benefits?

- Reduce energy bills, emissions, and the investment risk of energy efficiency and decarbonisation technologies
- Offset up to 50% of total investment value
- Fund projects which wouldn't otherwise be feasible
- Reduce energy consumption amid a market of rising energy costs
- Accelerate your journey towards low and zero carbon operations

## Key dates:

### 31st January -29th April 2022

Phase 2 for England, Wales and Northern Ireland opens on the **31st January 2022** and runs until **29th April 2022**.

**Phase 2** is worth up to **£60 million** in funding and will be available in the form of a grant scheme. The scheme will fund:

- Feasibility studies - must start no later than **1st May 2023** and finish no later than **1st May 2024**;
- Engineering studies - must start no later than **1st May 2023** and finish no later than **31st March 2025**;
- Energy Efficiency and Deep Decarbonisation Deployment Projects - must start no later than **1st May 2023** and finish no later than **31st March 2025**.



## HOW CAN WE SUPPORT YOU WITH THE IETF?

We work with clients to identify opportunities for implementation of the energy saving technology and support in the process of applying for grant funding.

Partnership with QiO Technologies, a provider of QiO foresight a data and AI-driven process control system technology, allows us to realise energy (and therefore carbon) savings across industrial assets by optimising their operation.

Anthesis provide project support across all stages of product development including data gathering, identification of opportunities, application for funding, agreeing the scope of works and the installation of the solution.

### Benefits to you include:

- Energy and carbon reductions
- Project support throughout project life from feasibility through to completion
- Support in applying to the IETF for Energy Efficiency Deployment
- De-risks the investment and improves the IRR of the work

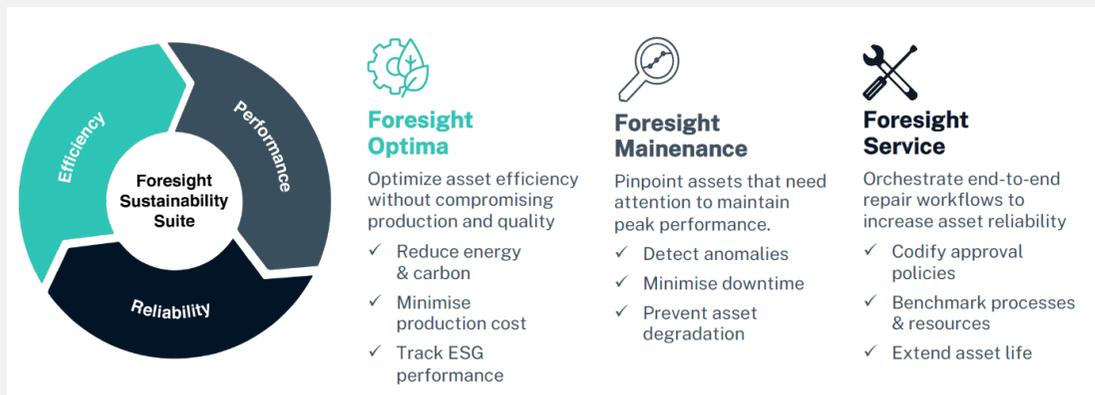
### What we need from you:

- Ambition to reduce energy and decarbonise
- Provide detailed information and work closely at all steps of the project
- We will prepare the funding application for the IETF ready for you to submit
- Upon receipt of grant funding, work with you to implement the technology and partner to ensure savings continue to be realised long term

## What is QiO Foresight?

QiO Technologies is an AI SaaS company delivering solutions for asset efficiency and sustainability for the global industrial sector.

Their core product, QiO Foresight Sustainability Suite is an industrial AI optimisation software. The suite includes:



# THE ANTHESIS ENERGY PATHWAY

## ANTHESIS' GLOBAL ENERGY SERVICES

Our energy services are designed to overcome the barriers facing our clients and provide investment-ready solutions that meet their business objectives.

We can manage the entire process, from identifying the challenges and designing bespoke solutions, and unlike other consultants, our experienced team oversee the installation on the ground to ensure our clients are realising the projected “real-world” savings.

Focusing on your energy usage is the most commercially sensible first step on the journey to Net Zero.

### Why now?

- Energy prices are continuing to rise in the next decade
- Pressure for companies to make commitments to achieve Net Zero emissions
- Savings that can be made by reducing energy costs
- New technologies can protect businesses against energy market volatility

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Our experienced engineers visit sites across your portfolio to complete an investment grade survey.

We then analyse how you can:

- Reduce energy usage
- Improve energy efficiency
- Forge greater alignment amongst stakeholders
- Identify integrated demand side response and storage strategies
- Make use of waste resources from local areas
- Utilise government support available for green projects in your market; ex. subsidies for solar PV
- Improve control systems to prevent waste
- Encourage employees to reduce energy consumption

### Services:

- Energy systems technoeconomic modelling
- Lifecycle Carbon Assessments for buildings (LCAs) - embodied and operational
- Energy management
- Compliance and risk management
- Thermal dynamic simulation modelling
- Stock / portfolio modelling
- Whole life cost assessments



Anthesis will partner with you and the team to develop a bespoke strategy.

We then create an investment plan, which may include the following steps:

- Installing new equipment or upgrading systems
- Changing the way you use energy

Our investment plans provide a persuasive business case for action aligned with the corporate objectives.

Realistic targets are set with input from all stakeholders. Our team will then provide you with a pathway, detailing measures to implement and when.

### Services:

- Investment grade energy auditing
- Engineering design
- Energy management
- Technical due diligence
- Quantity surveying
- Energy policy development
- Specification and procurement Strategy
- Net Zero and green building design



The Anthesis team will manage the installation process to ensure everything is done in the most cost-effective manner possible.

We then focus on minimising the performance gap - the difference between design intent and operational performance of your systems.

Contract management and quality assurance is provided to ensure sub-contractors are meeting our high standards.

We also monitor performance, quantifying and verifying the real-world savings you have made from construction to handover to allow reporting.

### Services:

- Client's engineer
- Construction project management
- Monitoring and verification
- Achieving standards / certification
- Contract administration
- Portfolio: net zero carbon Programme design & delivery
- New build: Net zero carbon design & development
- Renewable Energy VPPA

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