

ATETA is an SME support programme offering free advice and technical support for businesses to develop sustainable energy-related products, services and practices that will ultimately drive business growth.

Part of the University of Birmingham's Energy Institute, ATETA has supported over 170 businesses in the past four-years, generating a net income of almost £25 million for the local economy.

WHAT WILL WE DO?

Funded by the European Regional Development Fund, ATETA provides businesses with access to a team of experienced research engineers, who work with each SME in state-of-the-art research facilities and laboratories. Together the researchers and businesses are able to identify ways to improve efficiency, identify new market prospects or test and demonstrate new ideas.

WHOM DO WE SUPPORT?

ATETA offers free support to businesses and charities based in West-Midlands LEP areas through adopting low carbon and energy efficiency solutions, contributing to the decarbonisation of industry and developing sustainable technologies.

WHAT TECHNICAL SUPPORT IS AVAILABLE?

- Modelling and simulation
- Systems engineering design - mechanical, chemical and electronics
- Product development
- Laboratory work, testing and analysis
- Commercialisation and innovation support
- Carbon footprint accounting
- Long-term solutions development, such as funding collaborations

The technical support on offer is a minimum of 12 hours.

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Examples of the technologies used by ATETA to assist businesses include:

- **ENERGY CAPTURE FROM COOLING & HEATING**
 - capturing energy from refrigeration, air conditioning or boiling, melting and freezing processes
- **ENERGY STORAGE AND UTILISATION**
 - capturing natural waste heat or cooling through materials and storing it to be utilised when needed
- **MONITORING AND CONTROL SYSTEMS**
 - using electronic monitoring equipment for energy-efficient systems, for example in hydroponics
- **DISTRIBUTED ENERGY SYSTEM DESIGN AND GRID INTEGRATION**
 - capturing, storing and utilise energy from renewable sources
- **ALTERNATIVE FUELS**
 - using carbon negative fuels such as Hydrogen and Ammonia to decarbonise gas-fuelled equipment (e.g. boilers, furnaces) which offsets carbon from the company
- **ENERGY FROM WASTE**
 - establishing how a businesses can generate energy from by-products (e.g. bio waste after brewing process) and then using this waste to produce ammonia or hydrogen
- **TRIBOLOGY**
 - reviewing the friction, lubrication and wear in mechanical engineering systems

GET IN TOUCH AND SOLVE YOUR BUSINESS ENERGY CHALLENGES:

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