



ENERGY DRIVE

Apogee
ACTUALISING SUSTAINABILITY

ENERGY DRIVE Actualising Your Energy-Related Sustainability Goals

Energy Drive reduces energy consumption by 61% on average on installed systems via a Zero-Capex performance contract

WHAT ENERGY DRIVE SYSTEMS OFFERS

Energy Drive is a Zero Capex, turnkey, energy reduction solution for large pump and fan motors, utilising the latest Variable Speed Drive technology.

KEY HURDLES EDS SOLUTIONS OVERCOME

CAPEX restraint

EDS provide all our solutions on a Zero CAPEX, Zero OPEX performance-based contract.

Guaranteed Sustainability Results

The Performance-Based Contract ensures that the project will be a success – you only pay for savings that have been delivered & measured.

Measurement and Verification

EDS use a robust and accurate online reporting system, complying with current M&V standards.

Equipment uptime

100 % automated bypass for every VSD system installed, ensuring against equipment failure related downtime to the plant (the EDS system sits in parallel with the existing control system).

Project execution

Each project is designed, installed and maintained by EDS at the sole cost of EDS, in collaboration with your plant engineers.

FAQ's

What VSDs do we use?

All our VSDs are IGBT Voltage Cascade Drives, all critical spares are kept on site and available for quick repair should it be required.

Do the systems come with a Bypass?

Yes, all systems are installed with an automated full electrical bypass, ensuring uptime.

Is the system monitored?

Yes. Every system is monitored using a standalone GSM link. (We do not use the site IT infrastructure). We are able to give early warning of potential problems, plus full visibility of the health of the system.

How do we report savings?

Every system includes a digital kWh meter that transmits data to a third-party company. This company reports via a weblink on actual consumption used. This is available to the client as well as used to report on savings.

Can we connect to all motors?

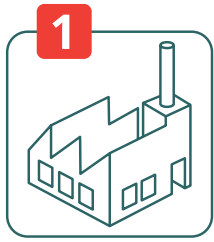
Yes. Due to the type of VSDs we utilise we are able to connect to all AC motors regardless of age. The dV/dt levels are ultra-low and so do not require specialised motor insulation.





ENERGY DRIVE OPERATIONAL PROCESS

ON-SITE ASSESSMENT



SYSTEM PROPOSAL
SIGN OFF



DEVELOP
FUNCTIONAL / TECHNICAL
DESIGN SPECS



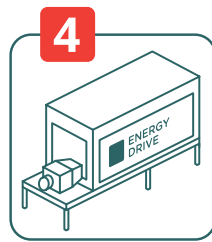
MANAGE SYSTEM REMOTELY



COMMISSION SYSTEM



IMPLEMENT
ENERGY-SAVING SYSTEM



OUR PROCESS

1. Visit your site and carry out a survey of potential opportunities.
2. Present a proposal to your plant engineers.
3. Engage with your Commercial & Legal teams around the details of the contract.
4. Design, in collaboration with your plant engineers, a Functional Design Specification for the proposed system.
5. Build, install, commission and maintain the equipment with incumbent contractors and system integrators for the length of the contract, all at our own cost.

OUR COMMERCIAL OFFERING

EDS uniquely offers a performance-based contract, based on a predetermined fee per kilowatt hour saved. You, the client, keep the difference between our fee/kWh and the tariff you pay to your provider.

If the system underperforms and generates less energy savings, the total EDS fee will reduce accordingly.

If the system over performs, the benefits are shared equally, which drives aligned behaviour in both teams to maximise the savings.



Our Clients:

GLENCORE



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Interested in partnering with us?
Contact us today to discuss how we can help your company achieve its energy-related sustainability goals

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