



COOPERÖSTLUND

INSTALL. MAINTAIN. IMPROVE.

ABOUT US

CooperÖstlund is your go-to expert in gas engine design, supply, installation, maintenance and improvement services.

Headquartered in Northamptonshire, but with service teams located across the UK and Ireland, we pride ourselves on delivering friendly service and effective call-out response times.

This nationwide coverage, plus our ability to solve any engine issue, makes us the number one choice for operations and maintenance support.



Client growth
year-on-year

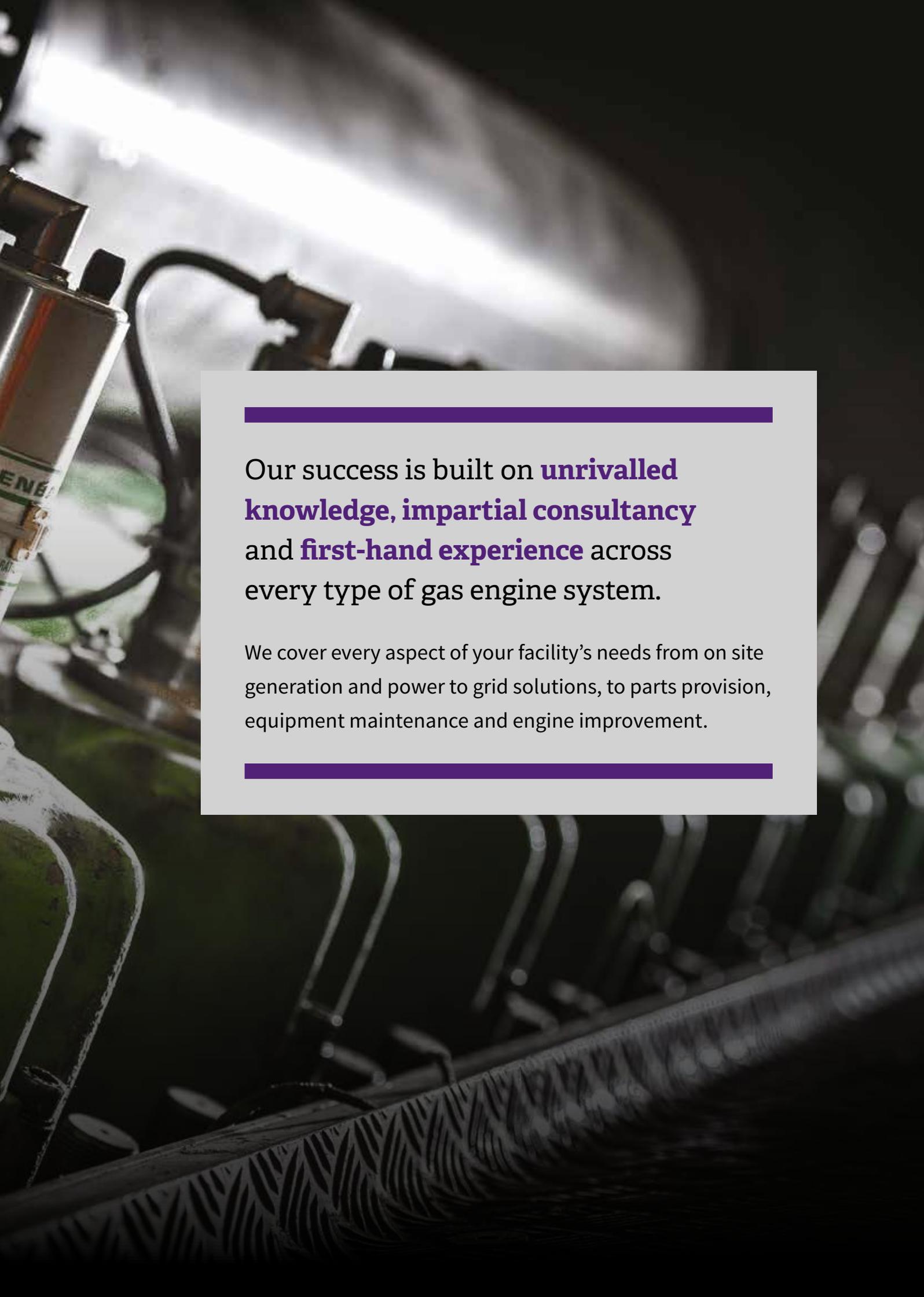
100mW

ENERGY ASSETS ACROSS THE UK

**300
YEARS**

experience
within the
team





Our success is built on **unrivalled knowledge, impartial consultancy** and **first-hand experience** across every type of gas engine system.

We cover every aspect of your facility's needs from on site generation and power to grid solutions, to parts provision, equipment maintenance and engine improvement.

WHAT WE DO

We understand that no two sites are the same. We take business type, size, energy requirements and operational processes into close consideration, delivering truly unique solutions that are right for you and your engine.

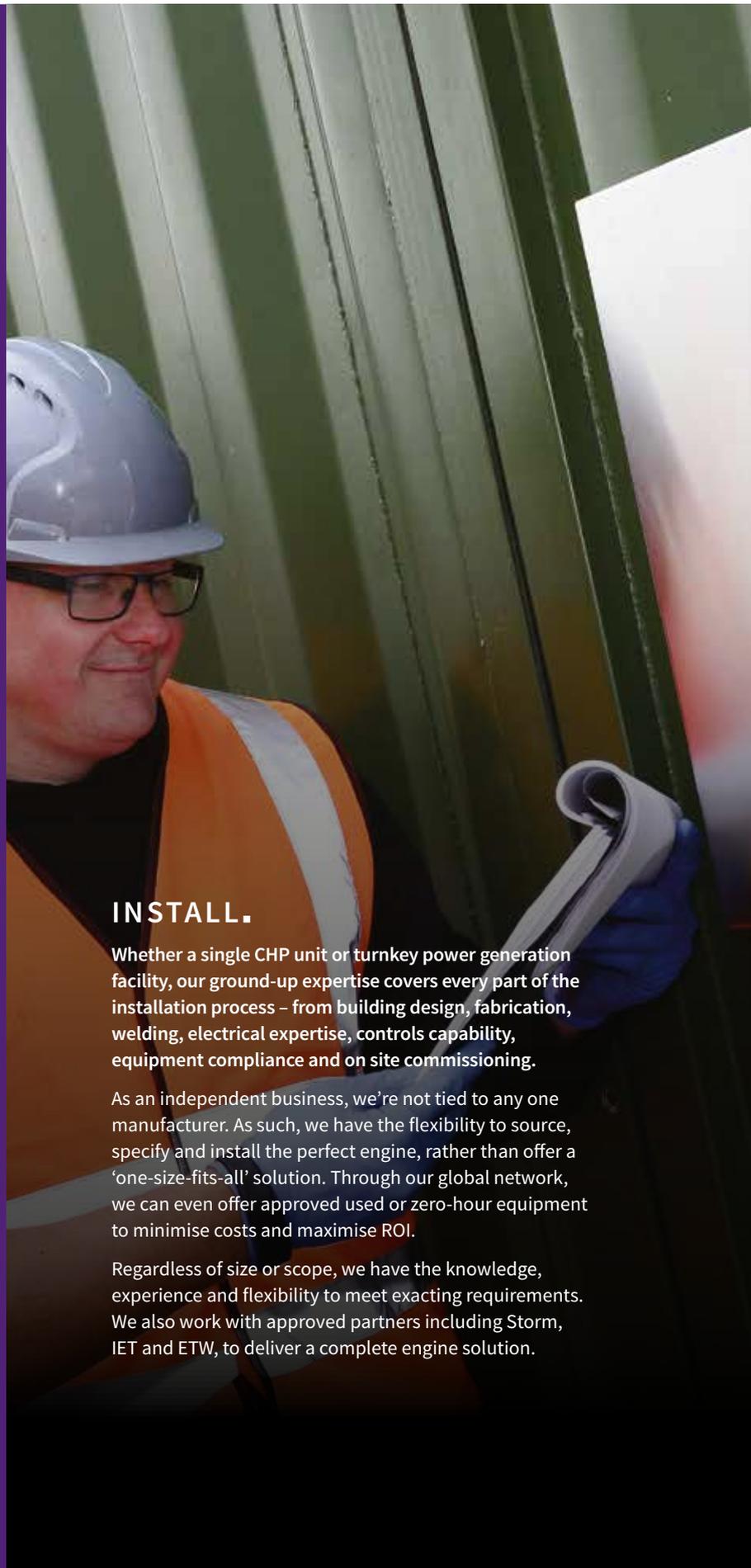
“ Thanks to CooperÖstlund, I was able to source, install and commission a 250kW engine within six weeks. ”

INSTALL.

Whether a single CHP unit or turnkey power generation facility, our ground-up expertise covers every part of the installation process – from building design, fabrication, welding, electrical expertise, controls capability, equipment compliance and on site commissioning.

As an independent business, we're not tied to any one manufacturer. As such, we have the flexibility to source, specify and install the perfect engine, rather than offer a 'one-size-fits-all' solution. Through our global network, we can even offer approved used or zero-hour equipment to minimise costs and maximise ROI.

Regardless of size or scope, we have the knowledge, experience and flexibility to meet exacting requirements. We also work with approved partners including Storm, IET and ETW, to deliver a complete engine solution.



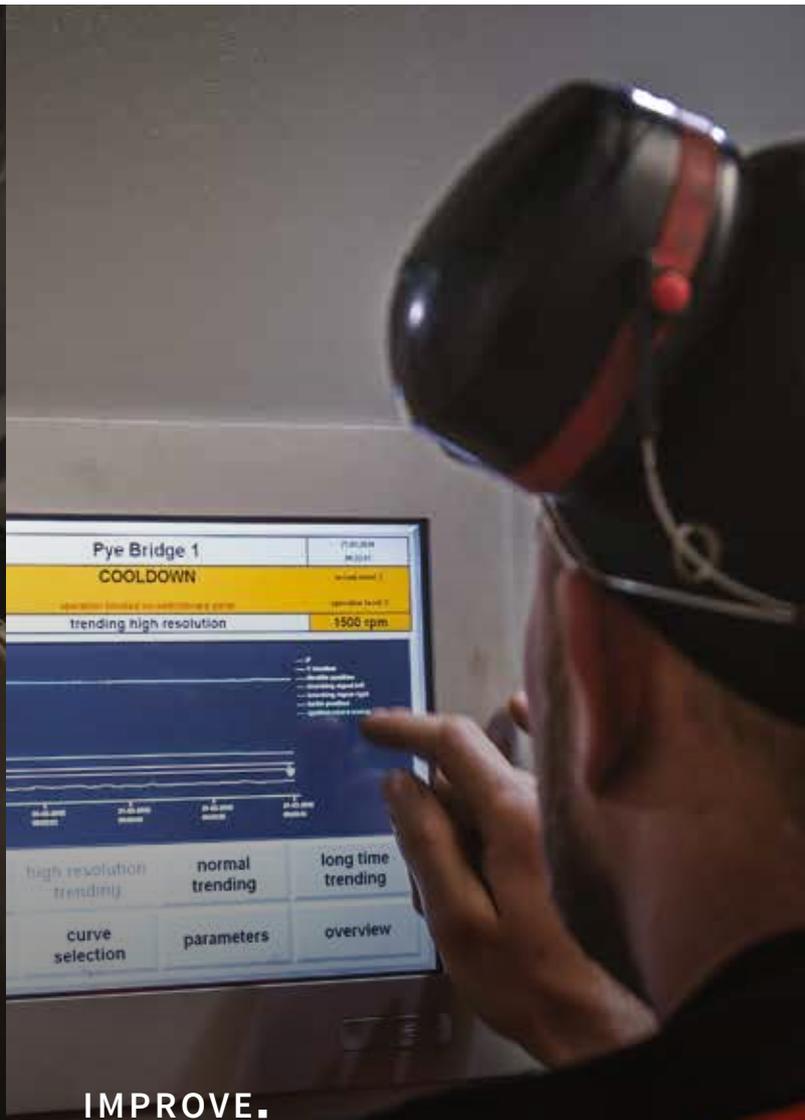


MAINTAIN.

Whether routine servicing, ad-hoc maintenance, spare parts provision or comprehensive engine overhauls, our highly-skilled engineering team delivers end-to-end engine management services to keep your plant working at its best.

Delivering response times that fit your engine needs, such as 24-hour cover, nationwide coverage and dedicated on site staff, we treat every project with care, attention and accuracy to fine-tune performance, improve output efficiencies and minimise downtime. Proactive milestone checks, regular feedback reports and long-life guidance advice guarantees optimum outputs throughout the lifespan of your engine.

We have experience with engine manufacturers including Jenbacher, MTU, MWM, MAN and Siemens. This enables us to design and fit open-path control systems – providing real-time performance visibility, diagnostics and independent engine management. We also offer remote monitoring capability, which enables off-site recalibration, fuel balancing and engine restarts.



IMPROVE.

We're committed to identifying new and innovative solutions to further improve engine efficiency and maximise performance for our clients.

Alongside providing managed maintenance solutions, recalibration, remote monitoring, engine overhauls and open-path control panels to overcome obsolescence, we also specialise in the installation of Organic Rankine Cycle (ORC) waste heat recovery systems and other aftermarket products to optimise engine outputs.

Through a partnership with Bowman Power Systems, we also offer turbo generation capability that delivers c.3% efficiency uplifts per engine. Regardless of scope, we provide the consultancy and advisory services to accentuate performance and maximise return. Simple, comprehensive, effective.

WHAT MAKES US DIFFERENT?

We're independent and have experience with almost every manufacturer.

Rather than a one-size-fits-all approach, we use this unparalleled knowledge to take price, gas quality, running hours and site environment into close consideration, before advising the ideal engine and maintenance solution. This consultative approach ensures a close working relationship with each of our clients. ■



Operational efficiency achieved with our contracted engines

EXPERTISE

With more than 300 years' experience between the team, 60 active clients and a 100MW energy portfolio, we consider ourselves true experts in the installation, maintenance and improvement of gas engine systems.

Our knowledge, understanding and proficiency allows us to quickly and effectively take control of any situation – whether site design, engine installation, maintenance contract or improvement project.

INNOVATION

We build close partnerships with each of our clients to deliver lifetime engine consultancy. Alongside optimisation, maintenance provision and careful monitoring to minimise downtime, we're continually looking towards innovative new solutions to maximise output efficiencies and streamline payback timescales.

We have the knowledge, expertise and flexibility to offer a wide range of control system enhancements - from simple plug-in modems through to comprehensive open protocol systems. Both options provide excellent visibility of engine performance.

PEOPLE

We believe that our people put us head and shoulders above the competition. Keen, committed, enthusiastic and experienced, each and every team member plays a hugely valuable role in our continued success.

Investment, regular training and development keeps us well ahead of market trends, while a customer-centric, collaborative approach ensures that we exceed expectations.



OPERATIONS & MAINTENANCE

Our experience, expertise and insight puts us in the perfect position to maintain your engine and support your wider site requirements.

Through our national engineering teams, we deliver comprehensive operations and maintenance (O&M) programmes to optimise outputs throughout the lifespan of your engine.

From routine servicing and ad-hoc maintenance support, to full CHP overhauls, we have the knowledge, experience and understanding to minimise unnecessary downtime and maximise return-on-investment. We understand that no two sites are the same, so we approach every situation in a completely bespoke fashion – ensuring the utmost care and attention to deliver exceptional results. ■

In our experience, poorly maintained engines can see **efficiencies fall by as much as 20%**

KEY CAPABILITIES:



TELEPHONE SUPPORT

You can always talk to an engineer, as we believe this is the best way to achieve first time resolution where possible.



REMOTE MONITORING

We can dial into your engine and rectify numerous issues that may negate the need for an engineer visit.



BREAKDOWN SITE ATTENDANCE

If a visit is necessary, we are on site in line with the KPI's we set by contract.



LOGS AND CHECKS

We make the results of our checks visible to you, through our CRM system.



UNSCHEDULED REPAIRS

If unforeseen issues occur, we'll be there to resolve them quickly and effectively.



SERVICE SCHEDULES, MAJOR AND MINOR

We accommodate major and minor services, either as a monthly figure or as a one-off cost.



OUT OF SERVICE PARTS

We have a robust supply chain that has access to spare parts for more than 2,000 engine models.



ADDITIONAL PLANT SUPPORT

We can manage your wider plant needs, such as CCTV, vermin control, welfare facilities and SAP for electrical support.



ACCOUNT MANAGEMENT

We prioritise excellent customer service through dedicated account managers. This ensures a close partnership to meet service requirements.



PARTS & SERVICING

Working with the world's leading manufacturers, we supply and install high quality parts and spares for every make and model of gas engine.

Holding stock in the UK and Europe, we can arrange industry-leading delivery times – getting you back up-and-running as quickly as possible.

With significant experience in component refurbishment, we can repair certain items (such as cylinder heads and water pumps), as well as deliver complete in-frame engine renovations at recommended service life intervals.

We have expertise in performing in situ or out of frame major service and overhauls at our workshop facilities in Northampton. ■



AN EDUCATED ENERGY SOLUTION

CHALLENGE

Following years of inefficient operation, one of the UK's most prestigious colleges enlisted our help to run a comprehensive system audit and provide a full engine overhaul.

SOLUTION

Our engineers were able to quickly undertake a full site analysis. Taking heating and electricity requirements into close consideration, we recalibrated the CHP engine to ensure an optimum ratio of gas and air entered the carburettor.

A full fluids change was also undertaken – including coolant and engine oil – ensuring smooth engine movement and efficient operation. Finally, the electronic control panel was reprogrammed, allowing our engineers to remotely access the engine – ensuring efficient operation, 24 hours a day, with minimal system downtime.

RESULT

The 50kW engine is now running at full capacity and generating cost-effective energy 24 hours a day.

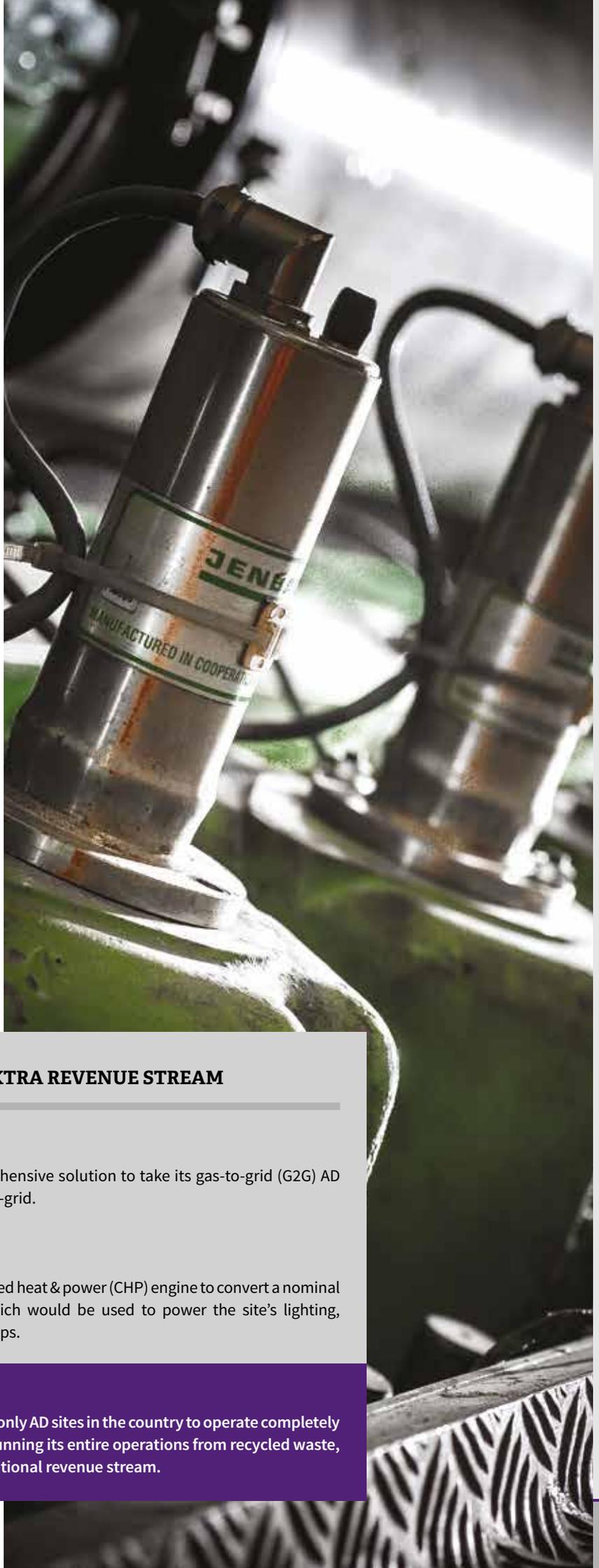
ON SITE POWER GENERATION

With commercial electricity prices a minefield of price fluctuations and supply insecurity, many organisations are turning to blended energy programmes in order to safeguard their operations.

Having worked with countless companies nationwide to deliver on site power generation projects, our experience is second to none.

We understand the essential role of careful planning, considered installation and regular maintenance of gas engine equipment, offering the complete package to help companies use and produce energy in the most efficient way.

Whether routine servicing, ad-hoc maintenance, spare part provision or comprehensive engine overhauls, our team can add value to any power generation set-up. Regardless of size or scope, we have the knowledge, experience and flexibility to meet exacting requirements. ■



TURNING WASTE ENERGY INTO AN EXTRA REVENUE STREAM

CHALLENGE

Food waste recycler Andigestion needed a comprehensive solution to take its gas-to-grid (G2G) AD site at Bishop's Cleeve, Cheltenham, completely off-grid.

SOLUTION

CooperÖstlund installed a 350kW, 8-cylinder combined heat & power (CHP) engine to convert a nominal percentage of captured biogas into electricity, which would be used to power the site's lighting, de-packaging plant, air compressors and water pumps.

RESULT

Following installation, the facility is now one of the only AD sites in the country to operate completely independently from the National Grid. Alongside running its entire operations from recycled waste, all surplus electricity is exported – creating an additional revenue stream.

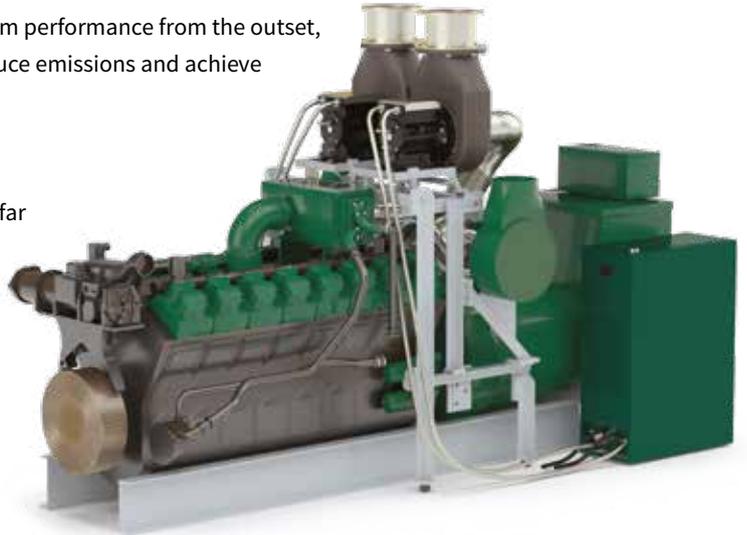
PLANT IMPROVEMENTS

For any power generation project, maximising output efficiency is key to guaranteeing the best possible return on investment.

Alongside offering unparalleled consultancy to ensure optimum performance from the outset, we pride ourselves on delivering future-proof solutions to reduce emissions and achieve efficiency uplifts.

From open-protocol control panels, to next-generation Organic Rankine Cycle (ORC) systems, our capabilities stretch far beyond installing and commissioning gas engines. Through an exclusive agreement with Bowman Power Group, for example, we offer a comprehensive range of Electric Turbo Compounding (ETC) products, achieving an average c.3% increase in output efficiency.

Our consultants can provide independent site audits, to provide external insight into the performance of your set-up, and advise a variety of improvement options, if required. ■



A FUTURE-PROOF SOLUTION FOR ONE OF THE UK'S LEADING WATER SUPPLIERS

CHALLENGE

A comprehensive solution was needed to help engineers at sites in Basildon, Whitlingham, Colchester and Great Billing easily control on site gas engines without the need for specialist support.

SOLUTION

We retrofitted state-of-the-art, open-protocol control panels to each set-up, providing immediate digital access. By pre-building the units off-site, the install was completed quickly, effectively, and resulted in minimal downtime.

The addition of internet connectivity enables remote engine monitoring, reducing the need for engineers to visit the sites and thus streamlining costs.

RESULT

Engineers can now immediately access each engine, without the need for specialist support.



POWER TO GRID

From planning and design, to specification, installation, commissioning, maintenance, monitoring and optimisation, we're highly experienced in the provision of power to grid energy solutions.



RAPID RESPONSE RESOLVES PEAKING PLANT DELAYS

We take pride in delivering impartial consultancy, working in partnership with each of our clients to advise and implement the optimum engine solution.

This not only ensures a fit-for-purpose power plant, but also allows us to work within strict pricing parameters.

To provide transparency into the real-time performance of your gas engine, we can leverage digitisation through open-protocol control panels and remote monitoring capability. This attention to detail not only maximises power output, but provides unrivalled data capture. ■

CHALLENGE

Following months of delays caused by poor planning by the previous engineers, we were appointed to install three 2.7mW power only generators at a site in rural Derbyshire.

SOLUTION

The old units were removed, the floors were levelled and the engines were re-calibrated and re-installed.

RESULT

CooperÖstlund turned months of stagnation into activity and progress, allowing the site to be commissioned and set live immediately.



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