

# Powering sustainable business

Partner with YLEM Energy for a cleaner, more sustainable future



[YLEMENERGY.COM](http://YLEMENERGY.COM)

# About YLEM Energy

## Delivering onsite energy generation and storage systems globally for over 30 years

**We understand the importance of helping large businesses reduce energy costs and achieve net zero targets whilst increasing long-term energy security.**

As a UK-based, industry leader in energy generation solutions, we specialise in designing, building, operating and maintaining reliable systems, all funded by YLEM Energy. Our team is committed to delivering innovative solutions to manage, optimise and generate energy, as well as reduce carbon emissions and meet our customers' environmental objectives.

## Driving sustainability and cutting energy costs

From the initial outline design through to delivery, our team will carry out detailed assessments and determine the best generation solution for your business. Once up and running your energy system will be operated and maintained long-term by our expert engineers.

## Your trusted long-term energy partner

We identify the best onsite generation solutions for power-intensive businesses, and can also use additional software-based energy monitoring and efficiency management tools, to identify further savings by making your site more efficient.



### ESG

Our mission is driven by being a force for good, for our partners, our people, and our planet.



### Vision: Net Zero

Our solutions fully integrate with the sites they serve and help our clients on their way to net zero.



### Mission: Cost Reduction

Save up to 30% on your annual electricity bills and ensure your business is energy secure.

# Operating across the UK and globally

We operate a large variety of energy generation projects throughout the UK and overseas, ensuring large businesses are supplied with reliable and affordable power - all day, every day. Our Dynamic Power Purchase Agreement allows your business to secure its electricity consumption from solar power, with zero upfront costs.



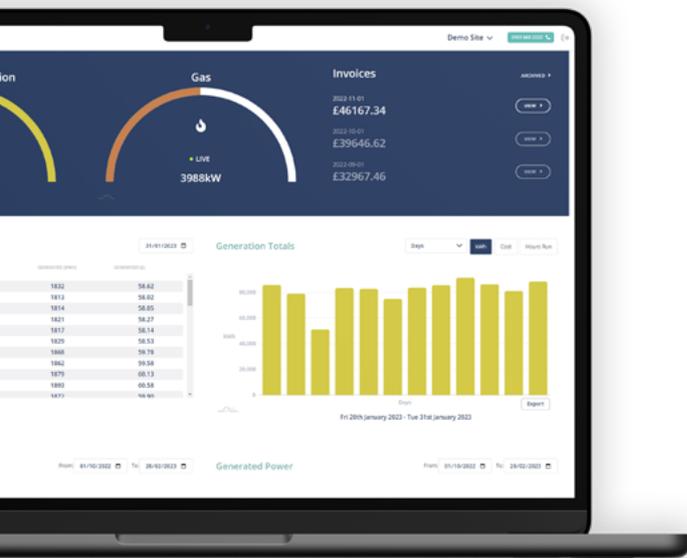
# Solar PV

**Solar Savings Calculator**  
See how much you could save



## Harness solar power and significantly cut energy costs

Let YLEM Energy be your long-term solar energy partner. We can guarantee savings on your energy contract by providing you with a set p/kWh for the term of your contract, which is significantly cheaper than energy from the grid.



## Improve your business

Being less reliant on the grid means your business is less vulnerable, and in some instances, storing electricity onsite through the use of battery energy storage systems can provide your business with a supply to call on, when it is needed the most.

## Why choose Solar PV?

- Funded by YLEM Energy which means no CAPEX and OPEX costs
- Save money and energy
- Help achieve wider net zero targets
- Energy security and independence
- Guaranteed savings against energy from the grid
- Boost your Corporate Social Responsibility objectives

Welcome to our innovative, cost-saving solar solution, taking renewable onsite energy generation to the next level for large businesses with unused land or roof space.

YLEM Energy Xchange allows you to oversize solar projects at your site. YLEM Energy will then purchase any excess energy you produce. This can further reduce the price you pay for your power.

Alternatively, if you have multiple sites around the UK, we can transfer any excess energy to one or more of your business's other sites, providing multiple locations with the same low-cost energy as the generating site. All managed by YLEM Energy.

## YLEM Energy Xchange

Putting the power back in your hands

[Read more](#)

# Gas Power Generation

## Hydrogen-ready gas-fuelled power generation

As energy prices continue to rise, gas-fuelled electricity generation will continue to play a vital role in the UK energy market. Gas-fuelled generation is simple: natural gas fuels an engine to produce electricity for your site. There is always the option of including thermal energy, a by-product of this process, which can be captured and used to help meet your heating demands, improving efficiency and cutting energy costs.

## Future-proofed gas generation systems fit seamlessly into your infrastructure

Hydrogen-ready gas-fuelled power generation systems can be located internally or externally and require minimal space, integrating easily into your existing infrastructure. An assessment to establish the best carbon and cost options for your business is quick and simple once consumption data is received and understood by our design engineers.

## Funded by YLEM Energy

Our end-to-end partnership solutions are funded entirely by YLEM Energy, including: design, installation, operation and long-term management of your hydrogen-ready gas generation system, guaranteeing that power is secured at a much lower rate than the grid. All while helping you transition towards a net zero future.

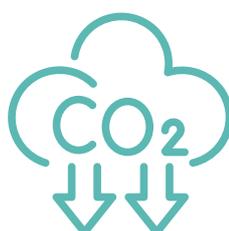
## Guaranteed long-term energy savings

By choosing YLEM Energy you are protecting your business long-term against rising energy costs. Our hydrogen-ready gas generation solutions can create savings of up to 30% on annual electricity bills for at least 10 years.

### What sets our Gas Power Generation apart?

- Create savings of up to 30% on annual electricity bills
- Large cost savings on power
- Future-proofed, hydrogen-ready gas-fuelled power solution
- Long-term stability, resilience, and security
- No OPEX costs for the lifetime of the system and we will manage the operation and maintenance

Over 1.1 tonnes  
of carbon  
saved to date



# Battery Energy Storage



## Greater energy resilience for a net zero world

Store excess generated energy from onsite solar for later usage and lower your energy costs by using the stored energy at peak times, by utilising peak shaving and load shifting.

## End-to-end storage solutions

Our battery energy storage systems are comprehensive and proven. Our end-to-end services include feasibility, funding, design, and installation as well as comprehensive operation and maintenance support.

## What are battery energy storage systems?

Battery energy storage systems, (BESS), are rechargeable batteries that can store power from different sources, such as solar PV, and discharge it when required. BESS usually consist of one or more batteries and can be used to provide backup power and improve overall grid stability.

## How can BESS help large businesses?

Battery energy storage is key to the UK's drive to reach net zero by 2050. Storage systems are highly efficient and put you firmly in control of your energy costs by allowing greater control and flexibility of your electricity use, as well as protecting your business against energy volatility.

## Why choose battery energy storage?

- Helping the UK reach net zero by 2050
- Greater energy stability and resilience
- Reduce reliance on grid-derived energy
- No OPEX costs for the lifetime of the system and we manage O&M
- Latest technology in the market
- Industry-leading systems
- Improves flexibility in the grid

# Funded by YLEM Energy

## Onsite generation solutions funded by YLEM Energy

Our innovative range of energy generation systems offer a win-win solution for cutting rising energy costs and driving your business toward net zero.

## Our Dynamic Power Purchase Agreement

Our DPPA allows energy intensive businesses to partner with us to secure a portion of their annual electricity consumption from onsite generation with no cost. We fund, build, own, operate, maintain and manage bespoke solutions on your behalf, guaranteeing power to be secured at a lower rate than National Grid supplied power.

## Powering your business towards a green energy future

As well as reducing energy costs, our Dynamic Power Purchase Agreement solution will optimise your site's electrical requirements, enabling you to unlock new revenue streams by exporting surplus power and making your business more resilient.



## No upfront CAPEX and OPEX costs

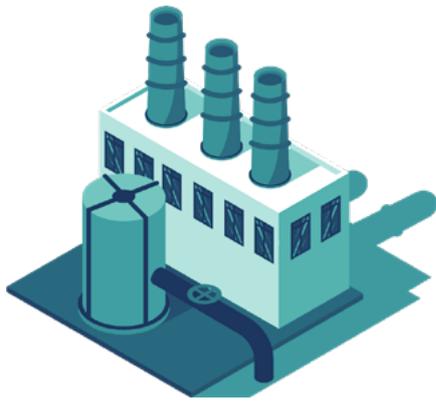
Our bespoke solutions guarantee savings on your annual electricity bills for at least 10 years and potentially up to 25 years, with no CAPEX, OPEX or additional costs to your business.

**Over  
£300m**  
projects funded



# O&M Support

## Industry-leading operations and maintenance support



Minimise downtime and maximise your onsite assets with comprehensive 24/7 operation and maintenance services, tailored to your requirements.

## Bespoke O&M services based on your business needs

If you currently have an asset that requires attention, we offer a range of operation and maintenance packages based on what level of support your business needs, including: basic, standard, enhanced and a comprehensive, all inclusive service to give you peace of mind.

## Independent O&M support to UK-wide asset owners

YLEM Energy owns and operates a fleet of gas engines across the UK, from AD plants to peaking sites, and provides support for many leading manufacturers. If you're an asset owner looking for O&M services, including battery and solar as well as gensets, please get in touch.

## Innovative energy management

We use innovative technology to monitor performance and pre-empt any issues that may arise. This helps drive business efficiencies and reduce your company's energy consumption.

## System hire

We offer a choice of procurement options for sale or hire, including short-term rental, long-term contracts and straightforward capital purchase for all types of generation systems.

## 24/7 nationwide support

Our expert engineers can provide a wide range of services that ensure the safe, reliable and efficient operation of your plant and equipment. And regardless of whether you're looking for a short or long-term contract, or just need work to be undertaken on an ad-hoc basis, all of our services can be tailored to match your requirements.

## How can we help support you?

- We own and operate a fleet of our own engines
- Routine and planned maintenance of gas engines as standard
- We offer 24/7 operation and maintenance services
- Dedicated on-call engineers
- Real-time monitoring and detailed historic data to pre-empt future issues

# Asset Acquisition

## Release equity and boost your core business

Work with YLEM Energy as your preferred energy partner to release capital and optimise your onsite operations.

## Your dedicated long-term energy partner

With the onset of a burgeoning UK energy crisis, there's never been a better time to review your energy needs and asset portfolio. If you own a gas generation asset that's 200kw+ and you'd like to continue using its power, then we'd be interested to hear from you.



## Secure your future energy with YLEM Energy

YLEM Energy is looking for opportunities to work with large businesses which own and wish to relinquish control of natural gas generation assets. We can purchase and operate these systems on your behalf, providing you with power at a competitive rate for up to 25 years.



YLEM Energy Optimise allows you to control, monitor and reduce your energy usage in real-time from anywhere in the UK through our innovative, easy-to-use, live system graphics, dashboards and reports. YLEM Energy Optimise gives you complete visibility and control.

We offer a fully managed, bespoke service, so that you can be sure that the optimum balance between environmental conditions, operating requirements and energy consumption is always maintained.

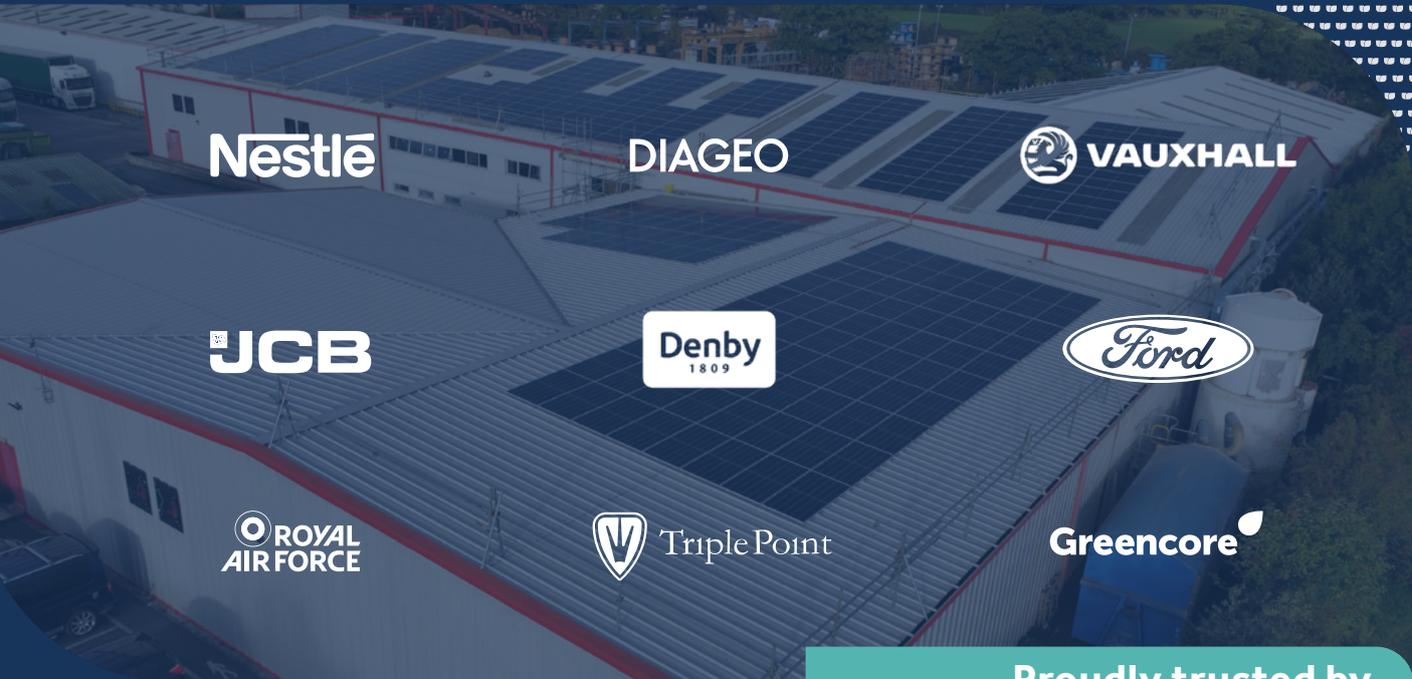
Because we design, build and install cutting-edge technology, our experience and expertise in the energy management sector is second to none, guaranteeing you savings on your energy bills as well as supporting you on your journey to net zero.

## Complete energy management for businesses made simple.

We are specialists across a wide range of industries including: manufacturing, warehousing, food and beverage, chemicals, pharmaceuticals and more.

[Read more](#)

# Our Experience



Proudly trusted by



Marlin Industries, the cable industry's leading manufacturing and logistics company, which is committed to sustainable and cost-effective strategies, appointed YLEM Energy to install on-site solar PV energy systems at the company's Wrexham and Hawick sites.

Reducing carbon emissions is a key part of Marlin Industries' sustainability targets, and the company values are based on principles of reduce, reuse, and recycle.

The solution developed, installed, and managed by YLEM Energy at the Wrexham site will deliver savings of approximately £1.5 million per year over the contract life term and reduce Marlin's carbon emissions by 62 tonnes of CO<sub>2</sub> per year.

**“Working with YLEM Energy to implement this solar PV onsite energy generation solution is a key step and one that forms part of our company's long-term strategy to transition to a net zero carbon position. YLEM Energy's expertise and ability to liaise with third parties such as the Distribution Network Operator (DNO) and handle planning applications ensured the system was installed successfully.”**

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**John Droog** — Chief Executive

## Denby 1809

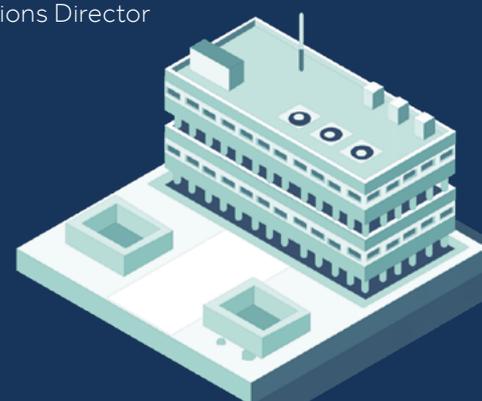
Denby Pottery, a world-renowned pottery manufacturer best known for its internationally renowned stoneware products, appointed YLEM Energy to maximise energy efficiency, reduce running costs, and to further improve sustainability at the main factory in Derbyshire.

Handling everything from design to ecological survey requirements, planning applications and installation, YLEM Energy delivered a new solar PV solution that will maximise savings and help to deliver Denby's sustainability agenda.

The solution is set to help Denby Pottery reduce CO<sub>2</sub> emissions by 475 tonnes pa and will save the business millions in energy costs in the years ahead.

**“Partnering with YLEM Energy to implement a solar PV solution will enable further significant carbon reductions to be made and reduce the business’ reliance on sourcing power from the National Grid, delivering stable pricing and significant cost reductions.”**

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**Dean Barlow** — Operations Director



## VAUXHALL

YLEM Energy was appointed by Vauxhall, one of the leading vehicle manufacturers in the United Kingdom, to upgrade the outdated automatic metering and monitoring system at their Ellesmere Port site.

Having worked closely with Vauxhall to develop the most appropriate solution for the needs of the site, YLEM Energy can monitor energy usage to provide reports and analysis with data at 5-minute intervals, which is used to identify areas where inefficiencies are occurring.

The solution delivered by YLEM Energy has helped Vauxhall to reduce energy consumption by 40% and is playing a significant role in the business' drive to achieve net zero emissions by 2038.

**“The YLEM Energy portal provides us with a wider overview and understanding of how we use our energy, we are able to identify patterns that allow us to have more control over our energy usage, it provides us with the relevant information that we need to make positive changes in how we reduce our energy consumption and carbon footprint.”**

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**Andrew Murphy** — Site Utilities Engineer



**Save up to 30%  
guaranteed  
savings for at  
least 10 years**



**Start the journey  
to net zero  
hit short term  
targets and meet  
long term goals**



**Fully funded  
solutions  
no additional  
costs**

**“State-of-the-art onsite generation solutions that fully integrate with the sites they serve to help you on the path to net zero and support the UK’s legally binding targets for tackling climate change.”**



**Find out how much  
you could save:**

**Telephone: +44(0)161 660 2222**

**Email: [solutions@ylemenergy.co.uk](mailto:solutions@ylemenergy.co.uk)**

**[YLEMENERGY.COM](http://YLEMENERGY.COM)**