



24/7 GENERATOR SOLUTIONS YOU CAN RELY ON





MEMS Power Generation sparked into life in 1978 as an electrical engineering company.

Since then, we've grown to become the leading specialist in temporary power solutions, operating one of the country's largest generator rental fleets.

We're proud of our heritage. Our customers rely on us for high-quality service, technical expertise, and continuous investment in advanced generating equipment.

Our approach to generator rental combines a range of disciplines into a seamless, class-leading solution.

GENERATOR HIRE IS JUST THE START.

We provide fully managed power solutions built on advanced technology, expert support, and dependable service, all working together to ensure your operations run smoothly.

Our investment in low-emission technologies enables businesses to reduce their environmental impact without compromising performance.

ABOUT MEMS

OUR MISSION

TO BE THE COMPANY THAT
BEST **UNDERSTANDS** OUR
CUSTOMERS' NEEDS FOR
TEMPORARY POWER
SOLUTIONS WHILE
PROVIDING **THE HIGHEST
LEVELS OF SERVICE.**



REDUCING OUR CARBON FOOTPRINT



At MEMS, we work hard to minimise the environmental impact of everything we do. Our equipment meets strict compliance standards, and our operations are designed to reduce our footprint.

We offset our in-house emissions and continue to invest in technologies that enable us to further reduce our carbon impact.

We've also been awarded the Carbon Reduce Certification, recognising our commitment to measuring and actively reducing our emissions year on year.

Our ISO 14001 accreditation reflects our broader environmental responsibility. Under our waste management policy, all used oil and the coolant from our generators are collected and disposed of safely.

OUR FUTURE

TO MAINTAIN OUR POSITION
AS THE **MARKET LEADER** AND
SUPPLIER OF CHOICE FOR
TEMPORARY POWER
SOLUTIONS.

AS WE GROW, OUR TEAM
WILL CARRY FORWARD THE
MEMS ETHOS OF **QUALITY
AND COMMITMENT**,
CONTINUING TO DELIVER THE
HIGH STANDARDS OUR
CUSTOMERS EXPECT.

OUR HISTORY

1978

Incorporated in 1978
as Medway Electrical
and Mechanical
Services Ltd

1979

Started generator
installation

2019

Exceeded 100 staff,
with a fleet of over
500 generators

2013

Derbyshire facility
opens, offering a
nationwide 4-hour
response

2022

Cleaner Options
launched with low-
emission generators,
HVO fuel, and battery
energy storage for
sustainable power

2023

MEMS embraced ESG
principles to reduce
emissions and
improve efficiency





1986

MEMS moved to a larger site to support its expanding operations, driven by continued success

1994

Began selling and installing MEMS generators

1997

Appointed the largest Cummins UK generator dealer

2010

New 8-acre, purpose-built, state-of-the-art rental facility opens in Kent

2004

Shifted company focus to generator rental, ending generator sales

2000

Unprecedented demand for generators during the millennium bug

2024

Our new HQ drove innovation, expanding our footprint to 11 acres

TODAY

MEMS is recognised as the UK market leader and a full-service provider of sustainable temporary power

With one of the most extensive generator hire fleets in the country, we provide rental solutions ranging from 30 kVA to 2000 kVA, with the option of multi-set paralleling up to and beyond 25 MW of prime or standby power.

GENERATOR HIRE FLEET

At MEMS, generator hire means more than supplying equipment; it's about delivering the highest level of service as standard.

Our fleet is built to industry-leading standards and designed to our exacting specifications, combining performance, reliability and durability.

We also offer a range of Stage V generators, designed to meet the latest emissions regulations and support lower-impact power generation without compromising output.



24/7

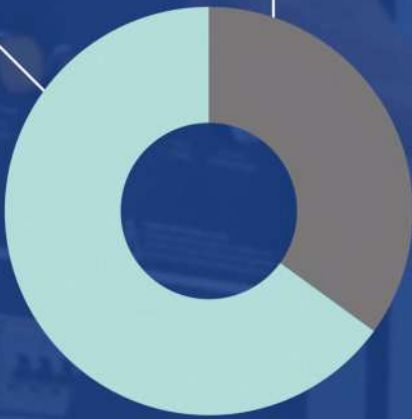
365 DAYS PER YEAR

65%

EMERGENCY
CALL OUTS

35%

PLANNED
WORK



POLICE RECOGNISED SMARTWATER THEFT DETERRENT



Average 2 hour
response time*

*Within a 12-month measured period



WE STOCK
1,000,000 LITRES
OF FUEL - ENOUGH
TO FILL 20,000
FAMILY CARS



OVER 200 KILOMETRES
OF CABLE AVAILABLE.
ENOUGH TO CROSS
THE ENGLISH CHANNEL
FIVE TIMES



OVER 100 VEHICLES PROVIDING NATIONWIDE COVERAGE



OUR 24-HOUR CONTROL
ROOM RECEIVES UP TO
500 LIVE GENERATOR
UPDATES PER MINUTE



IN A TYPICAL YEAR WE DELIVER
OVER 2,000,000 kVA. ENOUGH TO
POWER 1,000 HOSPITALS

EMERGENCY GENERATOR INSTALLATION

Available 24 hours a day, every day of the year, our team provides a full installation service for all emergency generators.

Our electrical and mechanical engineers possess in-depth knowledge gained from years of hands-on experience with generators and switchgear.

That's why, no matter the situation, we respond quickly and get the job done.





EMERGENCY POWER
24 HOURS A DAY
365 DAYS A YEAR



POWER UP SUSTAINABLY
MAKE THE CLEANER CHOICE

HIRE CLEAN, MAKE AN IMPACT: CHOOSE CLEANER OPTIONS

At MEMS, we take our responsibility to reduce emissions seriously. That's why we invest in new technologies and cleaner fuel alternatives through our Cleaner Options initiative.

We support your business in meeting its sustainability goals by offering low-impact power solutions tailored to your operational requirements. Every recommendation is backed by technical expertise and practical insight, tailored to meet your site's specific needs.

Our team works with you to find the right solution, from assessing your requirements to delivering a future-aware generator setup. Cleaner energy is accessible, reliable, and ready to support your operations.

With MEMS Cleaner Options, you get a high-performing power solution that supports your sustainability goals and operational efficiency.



STAGE V

Low-Emission Alternative

Stage V compliant MEMS generators provide efficient temporary power with lower emissions, without compromising performance.



HVO

Up to 90% Lower Emissions

MEMS HVO is a low-impact diesel alternative made from 100% renewable waste materials. It can cut emissions by up to 90% and supports your sustainability goals.



Battery Hybrid

Reduce Fuel Use and Emissions

Our advanced battery storage solutions offer a cost-effective way to improve efficiency, lower emissions, and minimise noise.



Load on demand

A Smarter Solution for Scalable Power

MEMS Load on Demand adjusts your power supply to match demand, reducing emissions, fuel use, and costs by only using what's needed.

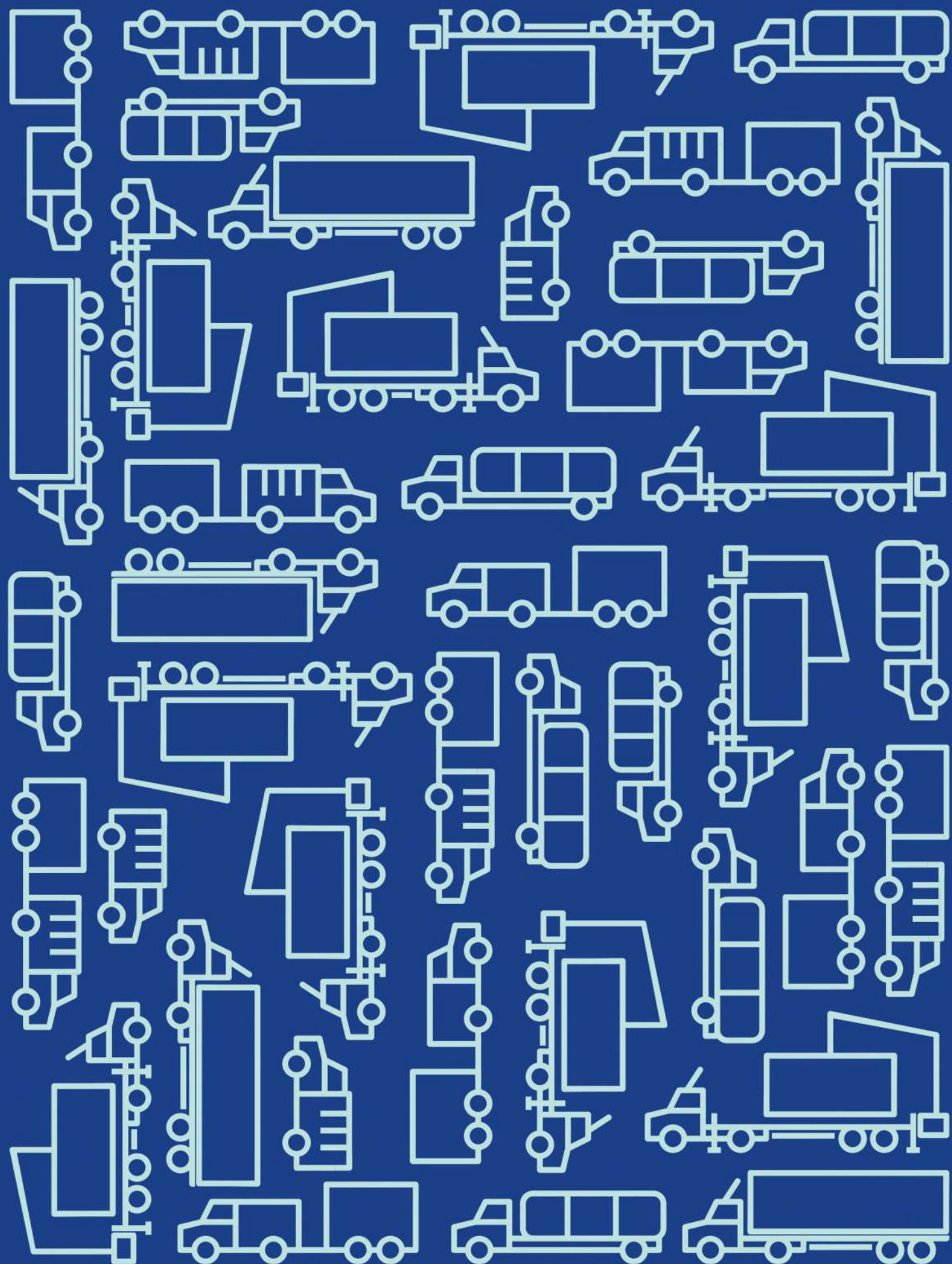
LOGISTICS NO PROBLEM

We operate one of the most extensive and specialised transport fleets in the UK, from 4×4 Land Rovers to 60-tonne, 8-wheel rigid crane lorries and articulated tractor units.

MEMS can deliver and position your rental equipment in challenging terrain and restricted-access sites. Our in-house fleet enables us to respond quickly to emergency generator hire requests.

Our success comes down to the commitment of our team. Nowhere is that more visible than in our specialist HGV drivers. Their extensive, hands-on training ensures that your equipment is delivered, positioned, and handed over by people who know our products and services inside and out.





24-HOUR CONTROL ROOM

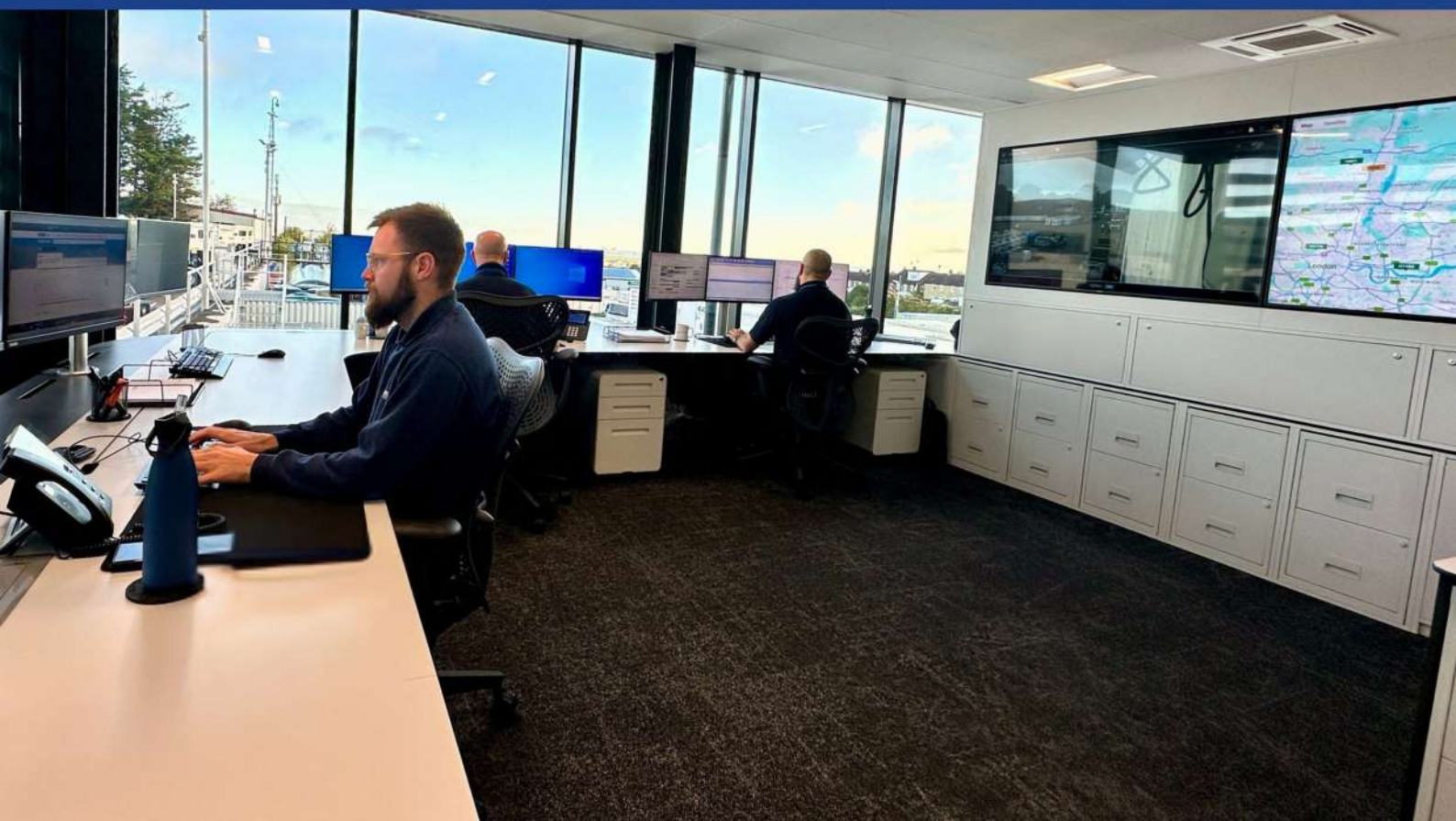
Our 24/7 staffed control room uses advanced, industry-leading technology to manage MEMS rental operations nationwide, around the clock, every day of the year.

Our systems provide a live overview of our entire rental fleet, including the location of every vehicle and its assigned engineer.

The MEMS bespoke telemetry system, Connect, communicates directly with each piece of equipment, enabling us to proactively manage issues before they become problems.



24/7 365, CONTROL ROOM EQUIPPED WITH INDUSTRY LEADING TECHNOLOGY



SECURE POWER GENERATION

Every generator in our fleet is fitted with remote telemetry as standard. Once positioned on site, the system creates an automatic virtual boundary. If the unit moves outside this area, an alert is sent to our 24/7 control room.

All hire products are protected with SmartWater, the UK Police-recognised theft deterrent, with visible warnings on every generator.

Each unit also features key-operated lockable doors, giving you full control over site access. Road-towable generators are further secured on delivery with both a wheel clamp and a tow hitch lock.



TESTIMONIAL



COMPLETE PROFESSIONALISM
FROM THE FIRST PERSON
TAKING THE CALL TO THE
DRIVER DELIVERING THE
EQUIPMENT



FUEL MANAGEMENT

Our 24/7 fuel replenishment programme keeps your site powered without interruption.

We operate a dedicated fleet of refuelling vehicles, from compact 1,000-litre bowzers to 11,000-litre HGV tankers. Each vehicle is built to MEMS specifications and is fully ADR compliant.

This allows us to safely refuel diesel generators in even the most restricted or hard-to-reach locations.





**KEEPING OUR GENERATORS
RUNNING AND FUELLED IS
PART OF THE MEMS
SERVICE**

DISASTER RECOVERY

In an emergency, one call to MEMS activates your Disaster Recovery Plan. Our 24-hour control room delivers a true emergency generator hire service, any time, anywhere in the UK.

Your plan is built around restoring critical power to keep your business running. If you don't already have one, we'll carry out a full site survey and create it for you. Once it's in place, we're ready to respond with exactly what your site needs.

We don't stop at delivery. We install and commission your temporary generator so your building is back online without delay.



MEMS DELIVER EMERGENCY POWER TO MAJOR UK AIRPORT



MEMS | 24/7 POWER

OFF-SITE MONITORING

TRACKING AND TELEMETRY

MEMS Connect is our bespoke monitoring system, built in-house to give complete visibility across our entire fleet.

Using the latest satellite tracking, mobile data and telemetry, it provides our 24/7 control room with live data, accurate locations, and performance updates for every generator and vehicle.

At a glance, we can see the real-time location, running status, load, and fuel levels of each generator, along with any alerts or warnings.

MEMS Connect receives over 403 million data points every day. This constant stream of live data is processed using machine learning to detect patterns and anomalies, helping us take action before issues arise.

AI forecasting models utilise this data to predict future trends, from fuel requirements to load fluctuations, enabling even faster and smarter decisions.

It all adds up to a proactive system that helps keep your operations running without disruption.



MEMS deliver a full turnkey solution for your generator rental. From site survey and delivery to installation and commissioning, every stage is handled by our own in-house trained technicians.



PROJECT MANAGEMENT

Our dedicated project managers and qualified engineers oversee the entire generator rental process. They make sure everything is in place before handover to our monitoring systems and 24-hour control room.

As part of the service, we carry out detailed site surveys, prepare and submit risk assessments and method statements, and work closely with all parties to keep your project moving.

START

INITIAL CONTACT & ASSESSMENT

From your initial enquiry, MEMS will discuss your equipment needs and arrange a free site survey.

01



02

DETAILED FEASIBILITY

Once the site survey is complete, we'll email a detailed proposal and follow up to confirm everything is covered.



IMPLEMENTATION

Once you're happy with the proposal, your order is placed and we'll email your order confirmation. You'll then be introduced to our solutions team and dedicated project manager, who will arrange delivery and act as your main point of contact.

03



04

DELIVERY

Engineers are briefed, and your equipment will be set up and tested before delivery.



OPERATION & MAINTENANCE

Your equipment is delivered and installed, and our remote telemetry is commissioned and fully operational. Our Solutions team manages your project, including scheduling planned maintenance and fuel replenishment.

05





**Our team
combines in-depth
expertise and
specialised skills,
developed over
decades of real-
world experience.**



MEMS | 24/7 POWER

To deliver the highest level of customer service, we rely on a dedicated team with years of experience. Every member is highly trained and focused on meeting our service promise.

OUR PEOPLE

Each member of our team has the technical knowledge to support you at every stage. From our 24-hour control room rental coordinators to site-based technicians, HGV drivers, mechanical engineers, and crane operators, we work together to deliver a comprehensive service.

At MEMS, our culture is agile, innovative, and customer-focused. Your needs guide everything we do.

Head Office

MEMS Power Generation
Beechings Way
Gillingham
Kent
ME8 6PS

Derbyshire Facility

MEMS Power Generation
Ashfield Avenue
Alfreton
Derbyshire
DE55 4QR

hello@mems.com
08452 230 400

