

# WB POWER SERVICES

POWER YOU CAN TRUST



## PROJECTS

TURNKEY CRITICAL POWER INFRASTRUCTURE,  
RELIABLY PLANNED AND DELIVERED BY EXPERTS -  
WHEREVER YOU ARE IN THE UK.



# OUR AWARDS



# PROVIDING CRITICAL POWER SERVICES FOR MORE THAN 35 YEARS

**WB Power Services (WBPS)** was first established in 1983 and since then we have grown significantly in size and service capability. Today, we provide critical power services to some of the UK's most important businesses and organisations, ensuring essential services are protected across data centres, hospitals, schools,

government sites and other commercial operations. As a family-founded, owned and run business, we are proud to retain our family values on a national scale as we strive to be the biggest and the best power generation company in the UK.

### **DELIVERED BY SPECIALISTS**

All our projects are run by dedicated teams of experts, including sales managers, engineers, project managers and logistics coordinators, who are directly employed by us. This means there are very few sub-contractors or middlemen. Just specialists with a wealth of knowledge and know-how, offering a complete solution that is right for your needs. For more than three decades, we have built long-standing customer relationships as not only a service provider, but as an extension of your own team, backed up by our industry-leading 24/7 365-day service team that is rapid, reliable and cost-effective.

### **EXPERTISE FOR EVERY KIND OF PROJECT**

We can supply a wide range of complete turnkey power solutions, from single generator solutions from 10kVA to large-scale multi-set synchronised packages.

Our in-house Project Sales team will work with you to identify the best solution for you. We consider all possible elements of your power needs, including civil work, transformers, control and switch gear, AMF and synchronous controls, generator and UPS, acoustic, exhaust gas systems, emissions control and complete fuel solutions.

**WE CAN HELP WITH  
QUALITY SPARE PARTS,  
REPAIRS, UPGRADES AND  
REFURBISHMENTS.**

# WHY CHOOSE US?

**As a leading family-owned operator of critical power infrastructure, we have led projects of all sizes, across all sectors. Our extensive experience means we can provide you with comprehensive support for every aspect of your critical power needs. We are trusted to install turnkey power solutions for world-class corporations to government bodies, supporting hospitals, data centres, banks, utility companies, military installations and more.**

### **Design and consultancy**

Our full turnkey solutions mean we can identify, install and commission the best solution for you from 10kVA to large-scale multi-set synchronised package. Our largest installation to date is over 80MVA.

### **Installation and project management**

In the most cost-effective way, we will install and fully project manage your new power solution to the exacting controls and standards required using our accredited ISO system.

### **Service and maintenance**

To keep your back-up system working at all times, we have a range of service and maintenance programmes ready to provide an efficient back-up supply.

### **Emergency support**

We have a national emergency response telephone line that supports you 24 hours a day, 7 days a week, 365 days a year.

### **Reliability and availability**

To ensure quick product despatch when you need help most, we have a highly skilled and accredited team and a wide range of equipment, spare parts and components.

### **Sourcing and supply**

We have supply agreements with international manufacturers in place. So you can be confident that you will always get the best solution and that our spare components meet the manufacturer's OEM specification.

### **Whole life asset management**

We offer all customers an asset management solution to help maintain the integrity of your back-up supply for as long as you have it.



# NATIONWIDE COVERAGE

Our maintenance services are as flexible, efficient and reliable, ensuring we're there for you when required.

## Head Office

WB Power Services Ltd  
Heanor Gate Road  
Heanor Gate Industrial Estate  
Heanor, Derbyshire  
DE75 7RJ  
0115 9444 422

## Norwich

WB Power Services Ltd  
Cavell House  
Norwich  
NR3 1YE  
01603 380695

## Godmanchester

WB Power Services Ltd  
Roman Way Industrial Estate  
Godmanchester  
PE28 2RW  
01480 597 912

## Sunderland

WB Power Services Ltd  
4 Admiral Way  
Doxford Int. Business Park  
SR3 3XW  
019191 76720

## Ilkeston Testing Facility

WB Power Services Ltd  
Manners Avenue  
Manners Industrial Estate  
Ilkeston  
0115 944 4422

## Chorley

WB Power Services Ltd  
Logistics House  
Buckshaw Ave  
Chorley  
PR6 7AJ  
01257 449 382

## Barnsley

WB Power Services Ltd  
Unit C, Zenith Business Park  
Barnsley  
S75 1HT  
01226 664 087

## London

WB Power Services Ltd  
68 Lombard Street  
London  
020 7670 1620

## Middlewich

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5 Aston Way  
Middlewich  
CW10 0HS  
0115 944 4422

## Manchester

WB Power Services Ltd  
125 Deansgate  
Manchester  
M3 2BY  
0115 944 4422

## Slough

WB Power Services Ltd  
Admirals Yard Self Storage  
Keel Drive  
Slough  
SL1 2YA

## Plymouth

WB Power Services Ltd  
1 Charles Street  
Unit MSU9A, Level 1  
Plymouth  
PL1 1EA  
01752 746 846

## Cardiff

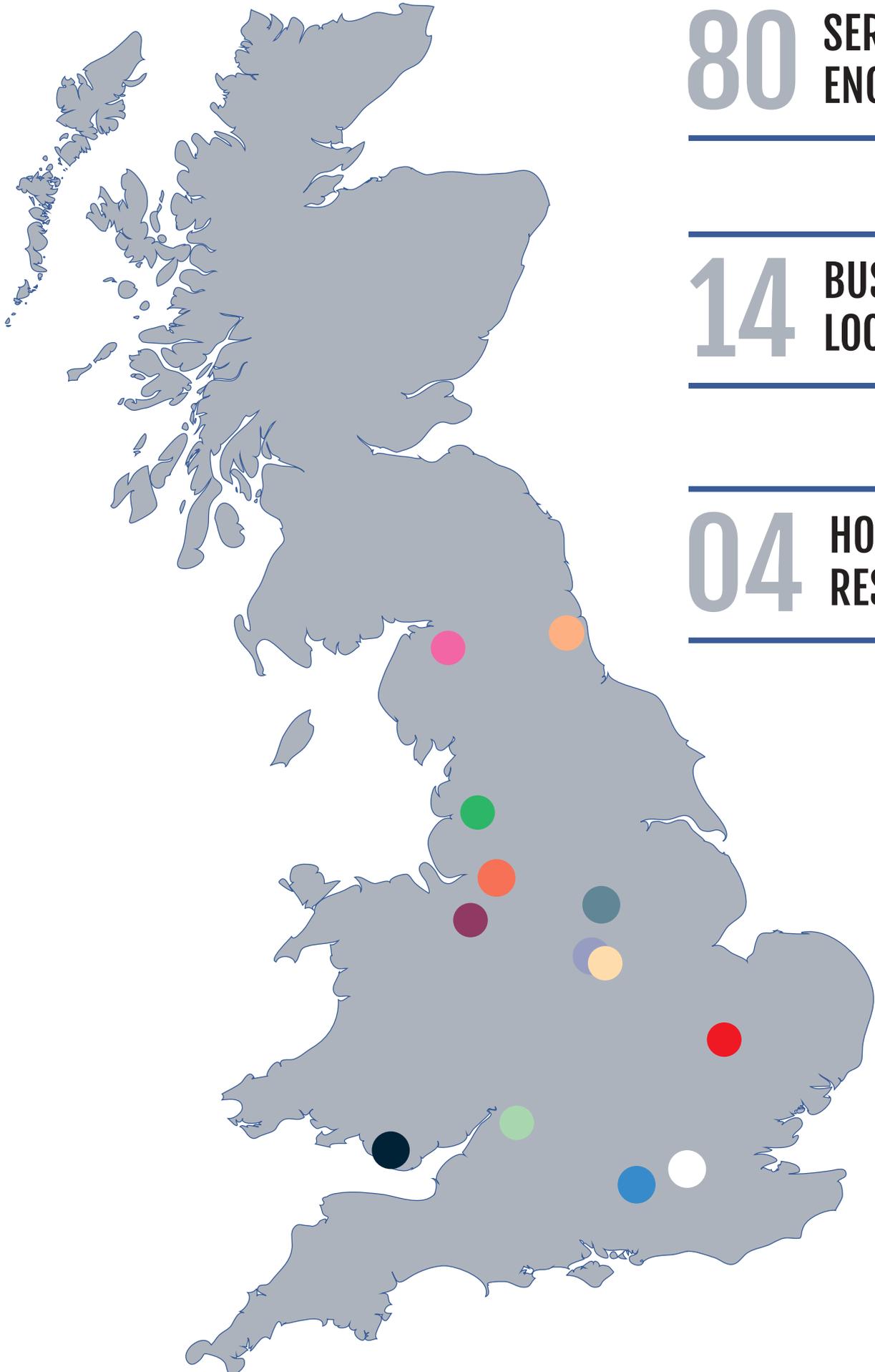
WB Power Services Ltd  
Falcon Drive  
Cardiff  
CF10 4RU  
0292 160 2283

## Gloucester

WB Power Services Ltd  
Unit 27  
Eastern Ave Trading Estate  
Gloucester  
SR3 3XW  
0115 944 4422

## Carlisle

WB Power Services Ltd  
12A Allenbrook Road  
Rosehill, Carlisle  
CA1 2UT  
01228 276 758



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**80** SERVICE ENGINEERS

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**14** BUSINESS LOCATIONS

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**04** HOUR RESPONSE

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# THE UK'S LARGEST KOHLER-SDMO DISTRIBUTOR

We are proud to be the UK's number one Kohler-SDMO distributor, and offer a vast selection of high-performance Kohler-SDMO generator, ranging from 10kVA to 4500kVA. These engines offer outstanding power in a clean, modular design and are ideal for a wide variety of applications and sectors.

**KOHLER**®

**SDMO**®

Authorised Distributor

**WE ARE AN AUTHORISED  
KOHLER-SDMO DISTRIBUTOR  
AND WORK ALONGSIDE THEIR  
DESIGN TEAM TO DELIVER THE  
BEST SOLUTION FOR YOU.**



## BESPOKE POWER SOLUTIONS, BUILT TO YOUR REQUIREMENTS ALONGSIDE KOHLER-SDMO

As part of our projects sales and installation process, we will utilise our expertise to make sure we provide you with a generating set which is aligned to your requirements.

As the UK's largest Kohler-SDMO Approved Dealer, we have access to a vast range of high quality & performance Kohler-SDMO generators, ranging from 10kVA to 4500kVA.

We work alongside the Kohler-SDMO's design team to deliver the best solution for you. Kohler-SDMO is one of the largest designers and manufacturers of diesel power generators globally and have supply and service agreements in place with all major engine manufacturers. Our largest installation to date is 80MVA.

**WE HAVE ACCESS TO A VAST RANGE OF HIGH PERFORMANCE GENERATORS RANGING FROM 10KVA TO 4500KVA**

## WHY KOHLER-SDMO?

The global engineering team at Kohler-SDMO have developed a new range of engines offering unrivalled performance. They combine the highest power with superior efficiency specifically for generating sets. These engines are manufactured in France and Switzerland, in factories offering the highest level of quality. Each product is tested under rigorous operating conditions. Advantages of the Kohler-SDMO product include:

- OPTIMISED SOUND LEVEL AND VIBRATIONS
- OPTIMAL CONTROL OF THE INJECTION SYSTEM
- A ROBUST, RELIABLE DESIGN
- A SLEEK, MODULAR DESIGN
- CONCENTRATED POWER



# YOUR CRITICAL POWER SPECIALIST WITH OVER 35 YEARS EXPERIENCE

Every project is different, so our solutions are bespoke and designed to flex around your needs. Utilising our expertise, we can meet the specific needs and requirements of your project.

## DIESEL GENERATOR INSTALLATIONS

As a leading family-owned operator of critical power infrastructure, we have built specifications and led projects of all sizes, across all sectors. Our extensive experience means we can provide you with comprehensive support for every aspect of your critical power needs. We are trusted to install turnkey power solutions for world-class corporations, government bodies, supporting hospitals, data centres, banks, utility companies, military installations and more.

We offer a range of complete turnkey power solutions, from single generator (10kVA to 4.5MVA), to large multi-synchronous packages. Our in-house Project Sales team will work with you to identify and install the best solution for you. We consider all elements of your power needs, including:

- FOOTPRINT SOLUTIONS
- SPACE PLANNING
- ACOUSTIC SOLUTIONS
- FUEL STORAGE & DISTRIBUTION
- CONTROL SYSTEMS & SWITCHGEAR
- EMISSIONS CONTROL INCLUDING SCR'S
- CIVIL WORKS





### CHP GENERATOR INSTALLATIONS

As an industry leading family-owned operator of CHP infrastructure installations, we have led projects of all sizes, across all sectors. Our extensive experience means we can provide you with comprehensive support for every aspect of your CHP critical power needs.

WBPS were instrumental in early testing of alternative fuelled engines for a major worldwide engine manufacturer and have even recently carried out alternative fuel trials for a major utility company. Due to this innovation and knowledge of CHP systems, we can offer efficient, cost effective and robust CHP infrastructure solutions. We can also consider all other elements of a CHP installation, which include:

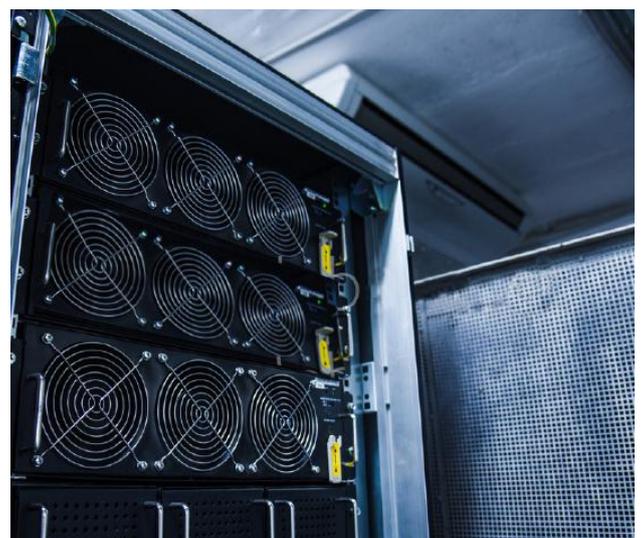
- CHP SWITCHGEAR AND CONTROL SYSTEMS
- CHP ACOUSTIC SOLUTIONS
- CHP GENERATOR COMMISSIONING
- CHP SITE SURVEYS
- CHP FAULT ANALYSIS
- IN-HOUSE CHP FACTORY ACCEPTANCE TESTING
- CHP FUEL SOLUTIONS

### UPS INSTALLATIONS INSTALLATIONS

A UPS or Uninterruptible Power Supply is designed to bridge the gap allowing time for an electrical system to shutdown and time for a generator to take load or mains electricity to return – helping to stem any damage done or loss of data. By working with WB Power on your UPS installation requirements, we will ensure that your UPS system infrastructure is fully operational at all times and providing the essential bridge between a power failure and a generator back-up supply.

Available as standalone products or as part of a full turnkey solution, we can provide:

- UPS SITE SURVEY
- UPS INFRASTRUCTURE DESIGN
- FUNCTION CHECKS ON THE COMPLETE SYSTEM
- FAULT FINDING
- LOAD BANK TESTING
- BLACK START TESTING
- EMERGENCY CALL OUT
- INCUMBENT SYSTEM REPAIRS, REFURBS AND UPGRADES



# A TURNKEY SOLUTION – WHAT CAN YOU EXPECT?

We are a specialist team of critical power experts, engineers and project managers, ready to expertly define your requirements, develop a solution and run your project through to delivery (and everything in between). It doesn't matter how complex your project is, or where you are in the UK, we have the know-how and experience to specify, plan and deliver, handing over the keys to you at the end.



**FROM YOUR VERY FIRST CONVERSATION WITH OUR PROJECT SALES TEAM, THROUGH TO FINAL TESTING ON-SITE, WE WILL MANAGE EVERY ASPECT OF YOUR POWER SOLUTION**



## THE TURNKEY SOLUTION PROCESS, FROM START TO FINISH

From our very first conversation, through to final testing and beyond, we will seamlessly manage every aspect of your project. Our signature combination of technical expertise and personal, trusted service means we can take care of everything for you and deliver it to exacting standards.

### CONSULTATION WITH PROJECT SALES TEAM

Our in-house Project Sales Management team will work with you to consider your power requirements. Once we get the green light, we use our ISO accredited systems to meet exact control and installation standards, and check that all procedures are fully documented and accredited.

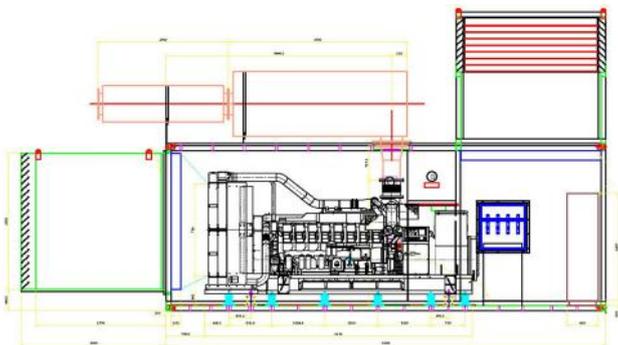
### DESIGN

Our design work includes all drawings, specifications and other documentation. Our professional team will always make sure that everything we recommend satisfies your objectives; complies with all relevant standards, specifications and regulations; and is economical to procure, deliver, install, and maintain. Next, we produce AUTOCAD layout and installation drawings, along with method statements and risk assessments, for you to review. No work will begin until you have given your final approval.

### PROJECT MANAGEMENT

From day one you will have an experienced project manager who will keep a close eye on all aspects of the project, and be your single point of contact. We will also assign a dedicated project team who will use Microsoft Project to plan the work and provide progress reports.

Our in-house team will oversee every facet of the project including setting key dates and timescales for completion, site specific rules and technical requirements and optimising resources and costs. They will also establish project KPIs and reporting requirements with you so you can be confident the project is on track and progressing in line with your expectations and objectives.



### FINAL TESTING

Once external electrical items are installed and site equipment is tested and approved, we will undertake generator commissioning and do a final handover on site. This includes a full mains failure, site acceptance test and black-start test to make sure that everything the generator package meets the specification and your needs. As part of our testing and commissioning process, we provide:

- PROOF OF CERTIFICATION FOR INSTALLATION – BOTH ELECTRICAL AND MECHANICAL
- END-TO-END CHECK OF ENTIRE INSTALLATION
- PRE-START CHECKS
- ISLAND MODE TESTS
- SWITCHBOARD/INFRASTRUCTURE PRE-COMMISSION CHECKS
- LIVEN UP AND SET POINTS, AND A SWITCHBOARD TEST
- COMPLETE ISLAND MODE COMMISSION
- LOAD BANK TEST
- COMPLETE IST, INCORPORATING YOUR SPECIFIC OPERATIONAL RESTRICTIONS
- DOCUMENTATION HANDOVER
- TRAINING FOR YOUR TEAM

### WHY A TURNKEY SOLUTION IS RIGHT FOR YOUR PROJECT

Whatever the project requirements are, we can implement a solution into your current business process with minimal disruption to the daily running of your site. It means throughout the project, you can expect:

- A DETAILED, COMPREHENSIVE CONSULTATION WITH OUR PROJECT SALES TEAM, ENSURING ALL YOUR REQUIREMENTS ARE CONSIDERED
- ONE EXPERT PROJECT MANAGEMENT TEAM WITH A SINGLE POINT OF CONTACT
- A STRAIGHTFORWARD INSTALLATION MANAGED BY SPECIALISTS
- EVERYONE IS EMPLOYED BY US – SAVING YOU THE COST AND TIME OF PEOPLE MANAGEMENT
- QUALITY, SCHEDULES AND BUDGETS THAT ARE OVERSEEN BY YOUR DEDICATED PROJECT MANAGER FOR A SIMPLIFIED, STREAMLINED PROCESS

# ACOUSTIC SOLUTIONS FOR LOW NOISE ENVIRONMENTS

## ACOUSTIC SOLUTIONS FOR LOW NOISE ENVIRONMENTS

In low noise sensitive environments, a standard generator enclosure may not always be suitable, and an acoustic generator solution is often the best choice. Our acoustic engineers have experience in all aspects of plant room and container design, so they are well placed to find the right solution for you.

As well as offering protection for the generator, our acoustic solutions guarantee that people working nearby are protected from excessive noise, vibration and the risk of fire. We also make sure that our solutions offer protection from the weather and security risks. Exhaust silencers, fuel supply and installation into your existing plant room can all be provided, and you can choose from standard or bespoke canopies and enclosures.

## EXHAUST GAS SILENCERS

Exhaust gas silencers are a good choice for dealing with the problem of air induction noise. These units go between the engine and the filtration unit. Sized to fit your system, they can be simple annular 'clean straight-through' acoustically packed intake silencers, such as the FP type, or designs with a central pod or annular splitters, such as the FPC or FPS types.



# FOOTPRINT SOLUTIONS & SPACE PLANNING

## PLANT ROOM INSTALLATIONS

Plant room installations can benefit greatly from air inlet and extract attenuators. These allow the generator to get just the right amount of ventilation it needs to operate to its full potential, lowering excess noise.

Acoustic louvres also provide excellent sound attenuation. We can supply a full range of high quality, reliable, fixed-blade weather louvres and motorised weather louvres.



We can strip and rebuild any engine from basic generators, through to twin bank diesels and CHP units, always in line with our certified ISO systems. You can trust that all components used in the refurbishment are to the manufacturer's OEM specification, and where a replacement part is unavailable, we will use a refurbished part in line with manufacturer's OEM specification instead.

We also specialise in the factory reconditioning of sub-assemblies, including; crankshafts, nodal damper couplings, cylinder heads, water pumps, oil pumps, fuel pumps, fuel injectors, turbochargers, connecting rods and intercoolers.

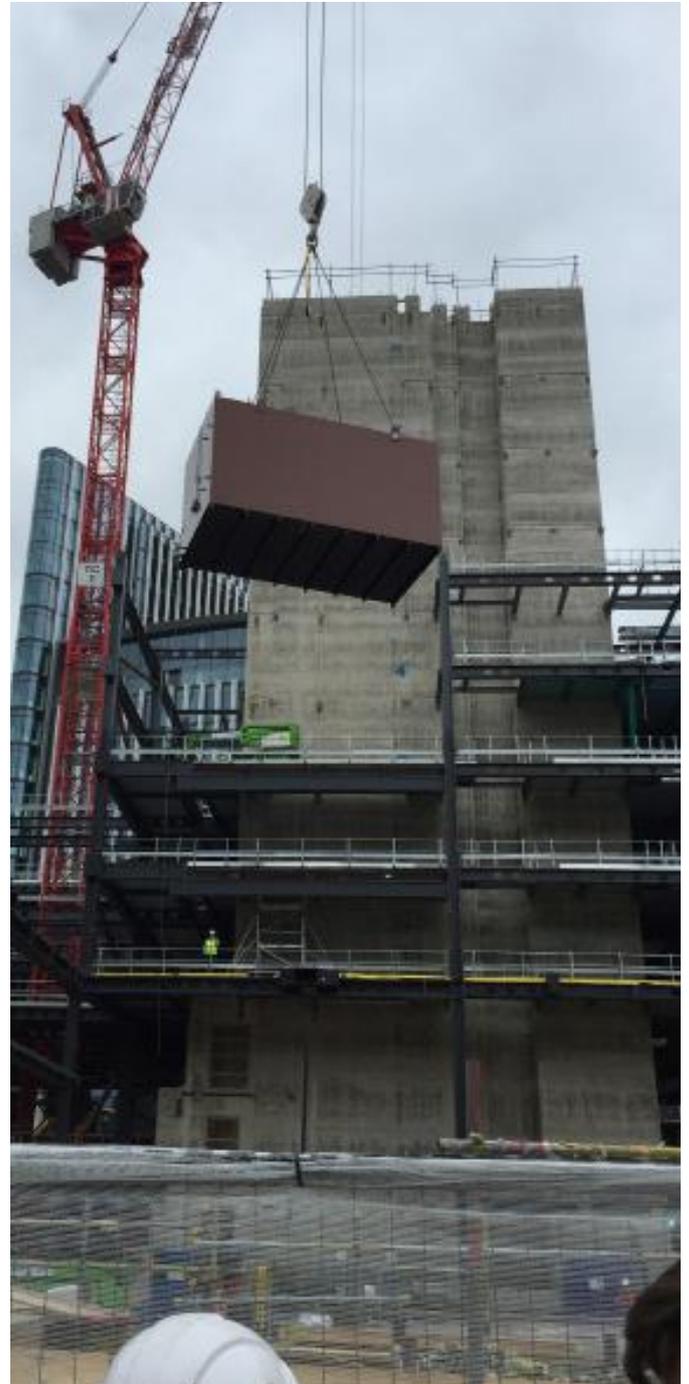
With access to our full suite of product stores, overhead crane and quarantine area, our specialists can refurbish engines and alternators, and upgrade control panels, cooling systems, fuel systems and acoustic solutions.

**ALL REFURBISHMENT  
COMPONENTS ARE TO OEM  
SPECIFICATION OR EQUIVALENT.**

# FUEL STORAGE & DISTRIBUTION, ABOVE AND BELOW GROUND

We offer a comprehensive fuel storage and distribution and design service. That covers everything above and below ground and extends to a full dedicated after sales service, which includes annual inspections, so you have peace of mind going forward.

Your specific installation will be looked after by an expert team and individually processed. Our in-house designers are experienced in both above and below ground applications and will make sure that everything is manufactured to PPG environment regulations, so you can rest assured that the environment is protected against spillage and leakage.



Our specialist team will be happy to talk to you about your individual needs, which may include any of the following:

- DESIGN, INSTALLATION & SUPPLY
- BUNDED FLEXIBLE OR STEEL PIPE WORK
- RISK ASSESSMENT AND INSTALLATION REPORTING
- OLD TANK/FUEL WASTE REMOVAL
- PRESSURE TESTING
- FUEL TANK DESIGN AND INSTALLATION SERVICE
- SPILL KIT SUPPLY
- FUEL SCRUBBING
- SPILL KIT SUPPLY
- EMERGENCY RESPONSE
- TEMPORARY FUEL TANK HIRE
- FUEL TANK INSPECTIONS TO LEGISLATIVE REQUIREMENTS



# GET PEACE OF MIND BY USING OUR SWITCHGEAR AND CONTROL SYSTEMS



If you are dealing with high or low voltage electrical equipment you need to know that you have a robust back up in place to control, protect and isolate it when necessary. That is why we only ever use tried-and-tested, quality products to give you the best and most reliable results. Whether you are looking for a basic remote start or complete building HV/LV infrastructure, you can trust your electrical equipment is safe at all times.

As part of this service, we offer everything you need for your project including:

- HV EQUIPMENT & PACKAGED SUBSTATION
- MAIN LV DISTRIBUTION SWITCHGEAR
- SUB LV DISTRIBUTION SWITCHGEAR
- POWER DISTRIBUTION UNITS (PDU)
- CONTROL PANELS AND SYSTEMS
- TRANSFORMERS
- CHANGEOVER PANELS
- BUS BAR / FLEXIBLE CABLING
- CONTAINMENT
- PLC CONTROL



#### EMISSIONS REDUCTION TREATMENTS AND CATALYTIC REDUCTION

Selective Catalytic Reduction is one of the most cost-effective and fuel-efficient technologies available to help reduce diesel engine emissions of your generator, either incumbent as part of an installation. Our project engineers have experience in all aspects of SCR technology. We can advise on the best solution available to you, equipping your critical power systems with the latest SCR technology.



# YOUR PARTNERS FOR CIVIL WORKS

Every project is different, so our solutions are bespoke and designed to flex around your needs. However, we do have specialist areas of expertise to meet the specific needs of certain sectors and projects requirements.

## YOUR PARTNERS FOR CIVIL WORKS

We offer a full range of civil and building services to suit your needs, which includes the design, construction and maintenance of critical power systems for all kinds of public works including roads, bridges, tunnels, reservoirs, dams, airports, and water treatment facilities. In the last year alone, clients have included Data Centres, Hospitals, Life Sciences and Telecoms, Defence, Finance and specialist Engineering projects.

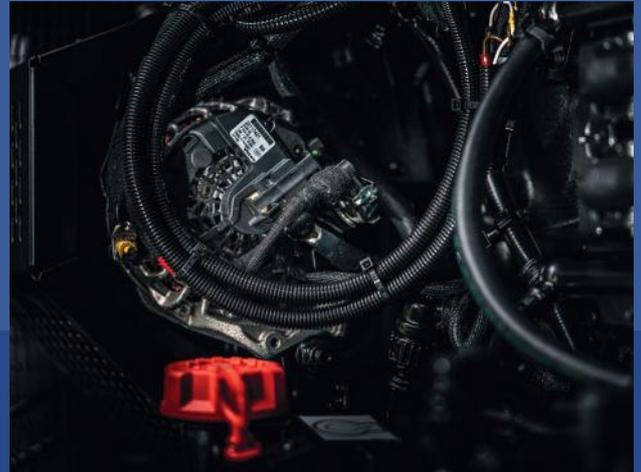
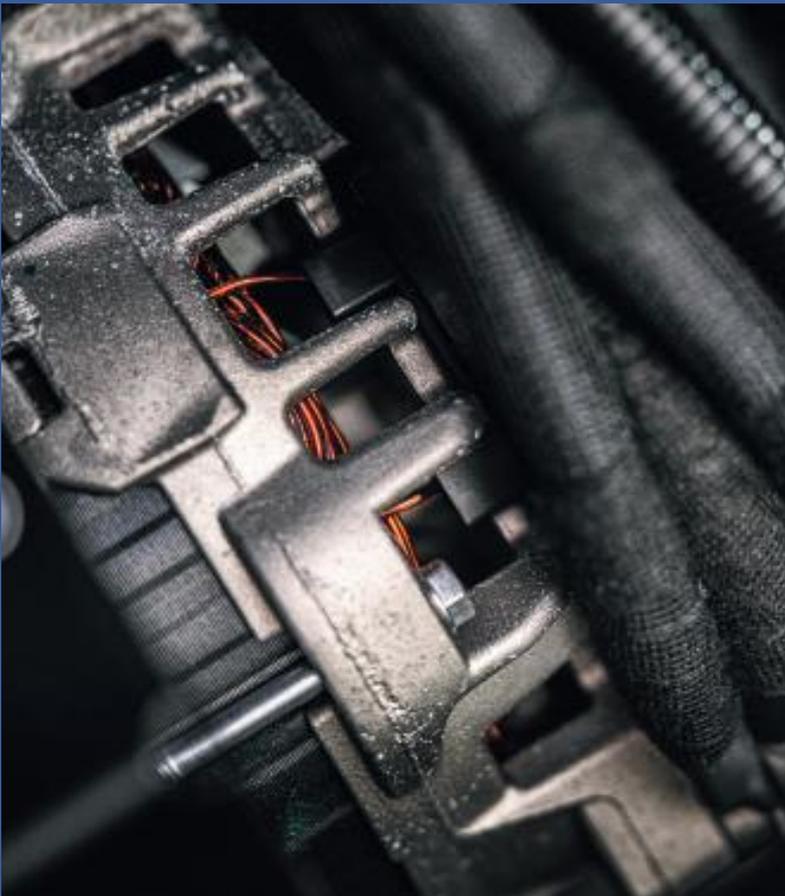
Available as standalone products or as part of a full turnkey solution, we can provide:

- CONCRETE BASES
- ACCESS LADDERS, STEPS & WALKWAYS
- TRANSFORMER BASES AND GRP HOUSINGS
- GENERATOR AND FUEL BUND SOLUTIONS
- HV/LV CAGES AND BUILDING INFRASTRUCTURE
- DUCTWORK
- TRENCHWORK
- GROUND CLEARANCE
- ACOUSTIC AND STANDARD FENCE SOLUTIONS
- BUILDING REPAIRS
- CABLE CONTAINMENT



# UPGRADING YOUR CURRENT SYSTEM

As an alternative to investing in a completely new power system, we can help you successfully upgrade or refurbish the control systems and infrastructure that you already have. Our experienced in-house team take great pride in making sure that every upgrade is trustworthy and reliable.



We can strip and rebuild any engine from basic generators, through to twin bank diesels and CHP units, always in line with our certified ISO systems. You can trust that all components used in the refurbishment are to the manufacturer's OEM specification, and where a replacement part is unavailable, we will use a refurbished part in line with manufacturer's OEM specification instead.

We also specialise in the factory reconditioning of sub-assemblies, including; crankshafts, nodal damper couplings, cylinder heads, water pumps, oil pumps, fuel pumps, fuel injectors, turbochargers, connecting rods and intercoolers.

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**ALL REFURBISHMENT  
COMPONENTS ARE TO OEM  
SPECIFICATION OR EQUIVALENT.**



**HEAD OFFICE**

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