

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. 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.

CASE STUDY



BMI HEALTHCARE

BMI Healthcare is an independent provider of private healthcare, offering treatment to private patients, medically insured patients, and NHS patients. As of 2021, BMI have 54 hospitals and healthcare facilities across the UK, with headquarters in London.

Working together since 2009, WB Power are currently the service and maintenance provider for 48 of BMI's premises across the United Kingdom.

PROJECT OVERVIEW

11
YEARS

LONG TERM RELATIONSHIP
WB Power have been the provider of generator maintenance services for BMI since 2009

48
LOCATIONS

NATIONAL COVERAGE
Across the UK, WB Power are responsible for the service and maintenance of 48 BMI critical sites

15MVA

NATIONAL COVERAGE
Across the 48 critical sites, WB Power are responsible for the maintenance of over 15 MVA.

KEY REQUIREMENTS

GENERATOR & ANCILLARY EQUIPMENT SERVICING

LOAD BANK TESTING

COOLANT TESTING & TOP-UP



OVERVIEW OF WORKS

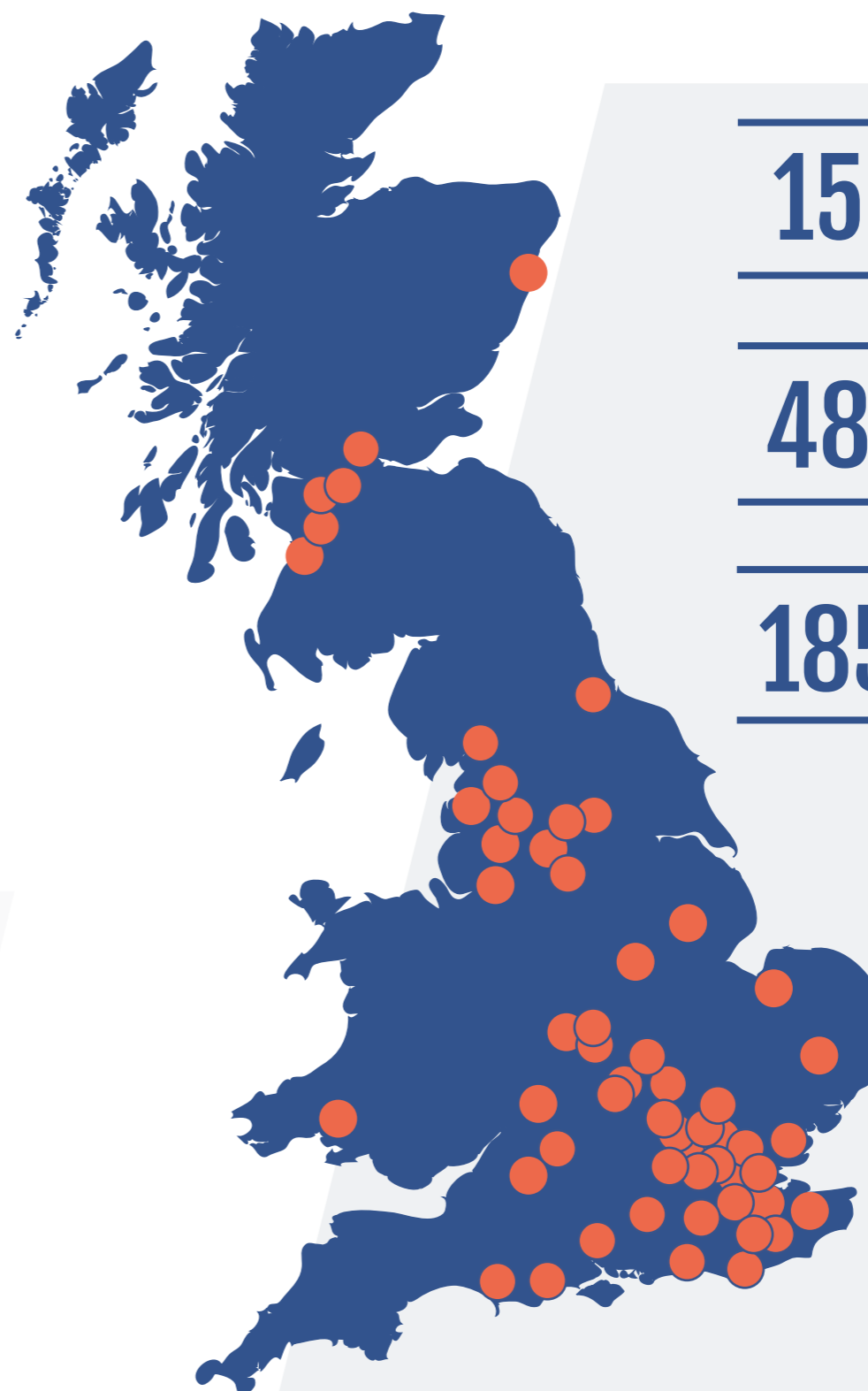
All our maintenance work with BMI Healthcare has been undertaken by teams of experts, coordinators and service managers. They are able to offer a wealth of knowledge and know-how, offering maintenance and support that is closely tailored to the needs of BMI Healthcare. For more than 13 years, we have built a long-standing relationship as not only a service provider, but as an extension of their team, backed up by delivering our industry-leading 24/7 365-day service that are rapid, reliable and cost-effective.

WORKS UNDERTAKEN

Having worked with BMI Healthcare since 2009, WB Power have established a bespoke maintenance package which is tailored to the needs of BMI Healthcare. The package includes:

- 2 PLANNED PREVENTATIVE MAINTENANCE (PPM) VISITS PER ANNUM ON ALL OF BMI'S INCUBMENT GENERATORS
- LOAD BANK TESTING
- COOLANT TESTING & TOP-UP
- INSPECTION OF ALL ANCILLIARIES INCLUDING BATTERY CHARGER, CONTROLLER AND FUEL SYSTEM
- ALL MAJOR WORKS UNDERTAKEN ON A SUNDAY

WORKING WITH BMI NATIONWIDE



15 MVA OF COLLECTIVE POWER MANAGED

48 LOCATIONS ACROSS THE UK

18500 HOURS SPENT ON BMI SITES

SERVICING A MULTITUDE OF GENERATOR ENGINES





PRINCESS MARGARET HOSPITAL

OVERVIEW OF WORKS

Following a routine site survey, the team at WB Power Services identified a number of system upgrades which needed to be completed to ensure full operational capacity of the incumbent generator and accompanying ancillary equipment.

Scheduled over two days, due to the the critical nature of the incumbent power supply, the works were undertaken on a Friday evening, moving into Saturday to minimise operational disruption. The works included:

- ISOLATION OF MAINS SUPPLY
- REPLACE CHANGEVER BREAKERS
- INSTALL REPLACEMENT DEEPSEA CHANGEVER CONTROLLER
- REPLACE INCOMING MOVING IRON METERS
- SITE ACCEPTANCE TESTING FOR ALL NEW EQUIPMENT
- CLEAR ALL WASTE FOR CORRECT DISPOSAL

CONCLUSION

All works were undertaken on budget and schedule. When carrying out the works, no additional problems or complications were encountered, meaning the works were finished with no operational disruption to the Hospital.

ALL WORKS WERE UNDERTAKEN ON BUDGET AND SCHEDULE, WITH NO COMPLICATIONS, ENSURING THE HOSPITAL EXPERIENCED NO OPERATIONAL DISRUPTION



FAWKHAM MANOR HOSPITAL

OVERVIEW OF WORKS

Further to our Engineers recent site visit to carry out a routine service on the incumbent critical power equipment, it was identified that there were several critical defects that required immediate attention. These further works required to rectify the defects would keep the on-site generator sets free from permanent damage and enable them to operate reliably when called upon. Within 24 hours, our engineers were back on-site to fix the defects. Works included:

- ISOLATE INCUMBENT GENERATOR SET
- DRAIN DOWN OIL AND COOLANT
- REMOVE WATER PUMP, RADIATOR AND CYLINDER HEADS
- TAKE WATER PUMP, RADIATOR AND CYLINDER HEADS AWAY FOR FAULT DIAGNOSIS AND REPAIR
- REMOVE AND REPLACE OIL FILTER
- REPLACE PUMP & FUEL PUMP GASKETS
- REPLACE RADIATOR, CYLINDER LINER AND PISTON RINGS

The damaged engine parts were taken away by our Service Engineers for fault diagnosis and repair (if possible). In the interim period, the engineer was able to replace the damaged parts, utilising their mobile stock. These parts were later found to be damaged beyond repair, so the parts utilised by the engineer remained permanently.

CONCLUSION

All works were undertaken on budget and schedule. When carrying out the repairs, no additional problems or complications were encountered, meaning the works were finished with no operational disruption to the Hospital.

SEVERAL CRITICAL DEFECTS WERE IDENTIFIED ON A ROUTINE SITE VISIT. WITHIN 24 HOURS, ALL DEFECTS WERE COMPLETELY FIXED