

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 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



PRINCE CHARLES HOSPITAL, MERTHYR TYDFIL

Prince Charles Hospital is a district general hospital in Gurnos, Merthyr Tydfil, Wales. WB Power Services were appointed to supply, install, test and commission a brand new power solution for the hospital.

Supplying back-up power to existing and new facilities within the hospital, WB Power had to ensure the provision of care was not affected and also to provide scalability, making sure any power infrastructure implemented was compatible with the hospitals requirements following the hospitals building expansion plans.

PROJECT OVERVIEW

2000kVA

GENERATOR INSTALLATION
1x 2000kVA Kohler-SDMO prime rated generator installed on-site



SOUND RESTRICTIONS
Both enclosures were designed to meet a sound level not exceeding 70dBA @ 1m.



FUEL MANAGEMENT SOLUTION
The installed generators were designed to link into an existing fuel distribution system connected to a bulk tank

OTHER REQUIREMENTS

FOOTPRINT RESTRICTIONS
CONTROL SYSTEM AND SWITCHGEAR UPGRADE

INTRODUCTION

Prince Charles Hospital is a district general hospital in Gurnos, Merthyr Tydfil, Wales. WB Power Services were selected to supply, install, test and commission a brand new power solution for the hospital, supplying back-up power to existing and new facilities within the hospital, ensuring the provision of care was not affected and also to provide scalability, following large hospital building expansion plans.



THE PROBLEM

The installation package provided by WB Power Services included a difficult off load and positioning process of the generator. It would also need to link into the incumbent fuel distribution system connected to a bulk tank, as well as upgrade to the switchgear and control system, along with installation of all necessary interconnecting power and control cables.

SOLUTION & OUTCOME

WB Power Services supplied, installed, tested and commissioned a new 2000kVA Kohler-SDMO generator for Prince Charles Hospital, which ensured a reliable back-up power source for existing and new facilities within the hospital. The generators are housed in close fit factory built enclosures that were engineered to fit within a newly created but very compact compound area.

The generating sets were supplied with the ComAp control system which ensured that the set could be synchronised to the main for softmains return. The generator was packaged in a custom designed container rated to achieve a noise level of 70 dBA @1m. The installation package provided by WB Power Services included a difficult off load and positioning process, linking into an existing fuel distribution system connected to a bulk tank as well as upgrades to the switchgear and control system along with installation of all necessary interconnecting power and control cables.

