

Case Study Summary - NHS Chorley and South Ribble Hospital



Lighting-Power-Control



- The scope of the project was to provide a solution for the emergency and standby lighting for the new MRI scanner suite at the hospital. Care was needed so that the lighting and emergency systems would not affect nor be affected by the strong magnetic fields within the MRI scanner room.
- The general lighting used for the standby and emergency lighting requirements consisted of 300W of specialist healthcare recessed LED panels.
- Our solution was to provide a central battery power supply outside the room. The Si-Pro pure-sinewave inverter was chosen with internal protection for the 70A in-rush current required from the LED panels.
- Due to the flexible output configuration of these BS EN 50171 compliant inverters, we were able to rate the system and batteries at 400W for 3 hours whilst still being able to manage the in-rush current.
- The solution was much more cost effective, saving the customer from paying for a much higher rated system.