



# CASE STUDY:

Royal London Hospital

The Royal London Hospital has a history dating back almost 300 years, and Bells have shared only a tiny portion of their history over the past 14 years.

In those 14 years of partnership, Bells installed this Power-Platform in 2010, which was the first in Europe, that utilised Dead-Bus Synchronising to enable a guaranteed 2.2MW within 17 seconds of a mains failure and continues to support and maintain the whole package.

This truly unique solution employs a bespoke Allen Bradley multi-PLC control architecture that controls and monitors five high-voltage FGWilson 2000kVA generators, which supervise three separate 11kV mains supplies coming into the hospital.

The hospital's power distribution is controlled by the same PLC via 19 outstations located around the hospital in three different main building structures, all connected with almost 2km of fibre, which enables robust control and switching of almost 300 low-voltage and high-voltage circuit breakers.

Some manufacturers are known to have since used elements of this design to incorporate Dead-Bus synchronising into their own control platforms on smaller, less complex projects.

Bells are proud to continue to fully support this prestige installation 14 years later, from day one.

