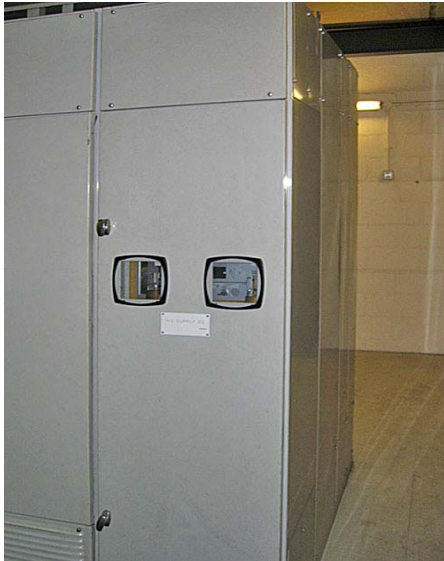


CASE STUDY—HONEYWELL

The Problem

Honeywell are responsible for the operation and maintenance of buildings for blue-chip companies. During routine maintenance of the HV and LV systems of one of their clients in Birmingham City Centre, [ExEllison Switchgear Services](#) discovered a problem with the 11000V isolator close-coupled to the Package Substation transformer. Whilst the problem was temporarily overcome to ensure that power was returned to the building a solution for the long-term integrity of the supply was required.

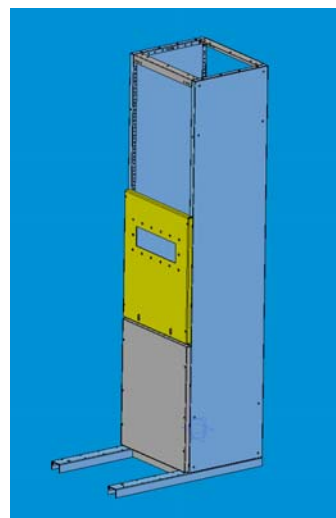


The unit in question was of an obsolete design so spares were no longer available. Following consultation with [ExEllison Switchgear Services Ltd](#) a solution was devised to meet their specific circumstances.

The Solution

It was agreed that a readily available unit of standard design be utilised to replace the faulty unit. With our knowledge of the Ellison equipment we were able to design the interface to enable simple replacement during a single 10 hour shutdown. All of the materials were custom built in advance of the agreed shutdown.

[ExEllison Switchgear Services Ltd](#) utilises the latest 3D solid modelling CAD systems to design its products to ensure a first-time fit every time. We have developed standard arrangements for a wide variety of retrofits. In this case a Schneider MV isolator was utilised in conjunction with our custom designed interface. The interface was designed to allow installation into the existing panel with the minimum of modification and down-time. A full assembly kit was supplied with no need for *cutting and carving* of parts to suit on site. Only the experience [ExEllison](#) have can guarantee a first-time fit without the need for a shutdown in advance of the installation.



CASE STUDY—HONEYWELL

Further complications were introduced by the fact that the substation was located on the 7th floor of the building with the lift only reaching the 6th floor. Specialist lifting equipment was employed to ensure safe movement of the 300Kg isolator. Specialist HV Engineers ensured the correct termination of the 11kV cabling followed by thorough testing of the modified system before re-energisation.



ExEllison Switchgear Services:

ACB Replacement
Spares
Extension Panels
Retrofit metering
Maintenance
Transformer replacement

Protection replacement
Switchboard modifications
Emergency response
Control panels
Installation Services
Substation equipment