

RETROFIT PROJECT

1962 SWITCHBOARD UPGRADE SECURING POWER TO OVER 6000 FAMILIES

Profile

Product
Retrofit - SWR12/BSR

Customer
Electricity North West

Location
**Wilmslow, Cheshire
Northwest England**

Installation
2018

Electricity North West delivers more than 23 terawatt hours of electricity each year to their customers in the North West of England.

That's the equivalent of 2.7 million electric heaters being switched on for a whole year.

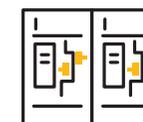
Electricity North West is responsible for operating and maintaining a network covering 5.4million customers in Cheshire, Cumbria, Greater Manchester, Lancashire and Merseyside.



Around
13,000 km of
overhead lines



Around
44,000 km of
underground
cables



Almost
86,000 items
of switchgear



More than
34,000
transformers

The Challenge

The Wilmslow substation switchboard was manufactured and installed in 1962 and contained a mixture of South Wales C4X and D8/12X1 oil-filled circuit breakers. The eleven-panel switchboard supplies over 6,000 customers living in the town of Wilmslow, situated in the North West of England.

Hawker Siddeley Switchgear (now BRUSH Switchgear) were tasked with replacing the oil-filled circuit breakers with a modern vacuum alternative to be manufactured and delivered within the requested timeframe and within the allocated budget.

The Solution

As the Original Equipment Manufacturer (OEM) of South Wales Switchgear and Brush Switchgear products, Hawker Siddeley Switchgear (now BRUSH Switchgear) were able to supply SWR12 630A circuit breakers.

A detailed inspection was made of the existing panels and position within the substation including current wiring configurations. Bespoke 630A and 800A high type breakers were then designed and manufactured according to the specifications derived from the survey.

The Result

The eleven-panel switchboard was manufactured by the Hawker Siddeley Switchgear (now BRUSH Switchgear) staff at our main Blackwood site to a schedule that allowed for delivery and installation work to be carried out on time and within the budget set by Electricity North West.

Safely installed in 2018 Hawker Siddeley Switchgear (now BRUSH Switchgear) are happy to see another satisfied customer and we are looking forward to providing similar retrofit solutions in the future.



1962
switchboard
upgraded to
modern vacuum
alternative with
minimal site
disruption