

# BBC Scotland Air Circuit Breaker Replacement

**Client:** BBC Scotland

**Location:** Glasgow

**Products & Services Supplied:** HV & LV Switchgear

## Overview

As the UK's flagship broadcaster, with scores of broadcast locations throughout the UK, continuous power supplies are vital in ensuring license fee payers receive their world-leading services. With a number of BBC Glasgow studios relying on a Mitsubishi Air Circuit Breaker to guarantee backup power supplies, the BBC were referred to shentonggroup which swiftly and professionally replaced the compromised parts.

## The Problem

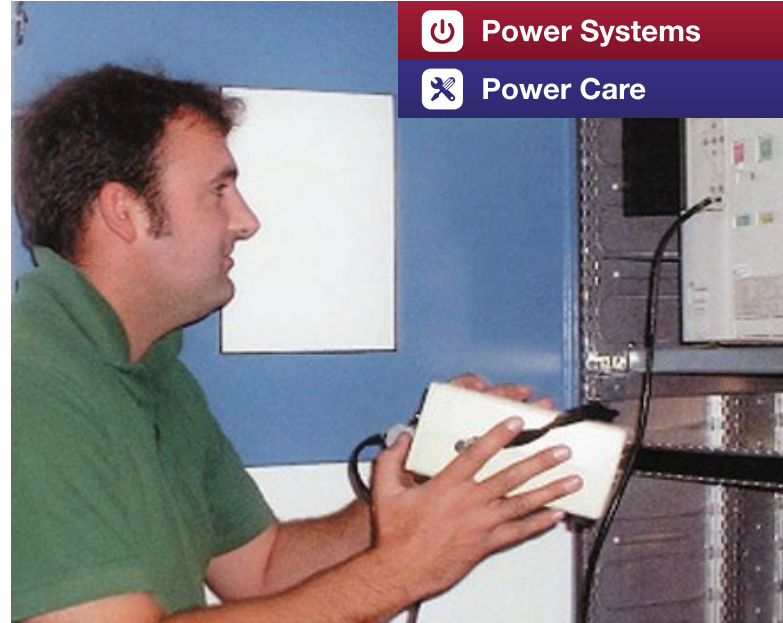
BBC Glasgow has a number of studios used on a daily basis for light entertainment and daytime quiz shows that either need recording for later transmission, or transmitting live to Scotland and Northern Ireland direct from the studios.

shentonggroup's Technical Director, Derek Barry explains Air Circuit Breakers: "Air Circuit Breakers help to prevent the reestablishment of arcing by creating an arc voltage in excess of the supply voltage". Derek continued: "The problem at BBC Glasgow was that, when one of the building's Mitsubishi Air Circuit Breakers failed to operate, it resulted in a number of studios being left unable to switch off the power to the main lighting circuits. Therefore, replacement parts were needed to be sourced and expertly installed as soon as possible".

## Solution

Following a call to the Mitsubishi UK headquarters in Hatfield, the problem was referred to shentonggroup's ACB and Switchgear Service Division. A shentonggroup engineer was promptly despatched to the site to investigate the problem and established that the unit needed replacement. The faulty unit was removed and a new device fitted, installed, tested and fully calibrated using an injection tester.

"shentonggroup responded very quickly to our request. The company's engineer was very professional and did an extremely efficient job, which



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was carried out within budget to our complete satisfaction", commented Andy Main, BBC Scotland Electrical Engineering Manager.

shentonggroup's Derek Barry weighted the importance of Switchgear and Air Circuits Breakers (ACB's) maintenance: "Regular maintenance and servicing of Switchgear and Air Circuits Breakers (ACB's) is essential for reliable and trouble-free operation. shentonggroup has a nationwide team of service engineers, trained to provide ongoing and scheduled maintenance on all makes and sizes of switchgear and ACB's".



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*“Thanks to shentongroup’s speedy reaction, the replacement parts for BBC Glasgow’s faulty ACB unit were sourced, fitted, tested and calibrated”*

## Outcomes

Fully understanding that time is of the essence in relation to all kinds of continuous power supply system repairs, thanks to shentonggroup’s speedy reaction, the replacement parts for BBC Glasgow’s faulty ACB unit were sourced, fitted, tested and calibrated, resulting in all affected studios being fully operational and with a reliable backup power supply system in place.

“shentonggroup are now proposing to carry out regular servicing for this customer to prevent further malfunctions”, said Chris Evans, Customer Technology Centre Manager at Mitsubishi UK.

## About shentongroup

shentongroup is the UK’s leading technical expert in standby power, uninterruptible power supplies, and combined heat and power supplies. The company provides power solutions to organisations spanning a broad array of industries that rely on continuous power supplies and includes; finance, IT, telecoms, healthcare, manufacturing, retail, education, government, utilities, and sport and leisure.

For installation, replacement and regular maintenance and servicing of High and Low Voltage Switchgear and Air Circuit Breakers, shentonggroup has a nationwide team of engineers trained to provide ongoing and scheduled maintenance on all makes and sizes of switchgear and ACB’s. Annual or

one-off service visits on all types of HV/LV switchgear can be carried out within normal working hours, or out of hours on the following equipment; LV Switchgear; Many manufacturers of ACB’s; HV Switches; HV Transformers. shentonggroup’s service and inspections would typically include; Visual inspection; Cleaning; Lubrication; Busbar Integrity; Insulation safety; Full ‘current injection’ testing and calibration.

To find out more about your standby power options, contact the shentonggroup technical team on 0844 888 444 5 or request a site survey at [www.shentonggroup.co.uk](http://www.shentonggroup.co.uk).



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