



Hawker Siddeley Switchgear Ltd – the first name in power safety technology

Quality – Reliability – Service. Three key words which underpin the philosophy of Hawker Siddeley Switchgear Ltd – a strongly performing, multi-national manufacturer of a range of high-standard, switch-gear solutions.

Based on a background of experience stretching back over 125 years, we're committed to innovation and proud of our widely-acknowledged track record for providing what our customers could have – not just what they want.

Today, the company encompasses Brush Switchgear, South Wales Switchgear, and Whipp & Bourne.

See also our brochures for:

Transport

Building Services and Industrial

Original Equipment Manufacturers

Service and Support

Hawker Siddeley Switchgear Ltd

Newport Road, Blackwood, South Wales, NP12 2XH UK

Tel: +44 (0) 1495 223001 Fax: +44 (0) 1495 225674

sales@hss-ltd.com

Hawker Siddeley Switchgear Pty Australia

PO Box 36, Kallangur, QLD 4503, Australia

Tel: +61 (0) 7 3888 2333 Fax: +61 (0) 7 3888 3241

hssaus@hss-ltd.com

Hawker Siddeley Switchgear South America

Carrera 21 No 86A-31 of 101, Bogota, Colombia

Tel: +57 (0) 1 256 4617 Fax: +57 (0) 1 655 8915

sales@hss-ltd.com

Hawker Siddeley Switchgear Ltd Technology Centre

2 Broadfield Distribution Centre, Heywood, Greater Manchester, OL10 2TU UK

Tel: +44 (0) 1706 674000 Fax: +44 (0) 1706 674001

sales@hss-ltd.com

Whipp & Bourne Inc.

2500 Alameda Avenue, Suite 115, Norfolk, USA VA 23513

Tel: +1 (0) 757 858 8972 Fax: +1 (0) 757 858 8987

whippinc@hssl-usa.com

www.hss-ltd.com



Power safety for the utility sector

HAWKER SIDDELEY SWITCHGEAR

your power in safe hands



Switchgear for the utilities



As the global utility infrastructure continues to expand so does the need for safe, reliable and secure power systems.

Anywhere in the world, whether it is the water, petrochem or telecommunications sectors or the electricity industry itself, all depend on power protection solutions they can trust – helping to ensure service continuity.

When millions of individual, corporate and public sector customers are affected, security of supply is vital. Robust safety features are essential to protect both lives and capital equipment when faults occur and that's when Hawker Siddeley Switchgear Ltd's specially designed products come into their own.

Utilising innovative circuit breaker technologies, we provide switchgear which is not only safe and easy to use but which is also environmentally-friendly and virtually maintenance free. It's technology you can largely fit and forget – always present, always working and never really noticed... until it's needed.

Our products, all based on tried and tested technologies, are designed to the most exacting standards by a team of highly-experienced technical engineers. We don't provide 'off the shelf' products when a more bespoke response is required – for example we can offer total solutions for electricity substations, configuring our systems to meet customer requirements.

Our aim is to deliver value for money, fit for purpose solutions – all backed by specialist expertise in designing, building, installing and commissioning systems you can rely on for decades to come.



Solutions you can rely on

Utility companies around the world have already turned to Hawker Siddeley Switchgear Ltd to help them meet demanding service performance requirements. For example, whilst our equipment is almost a standard fixture in the vast majority of the UK's electricity substations, we have provided installations for power sector companies as far afield as the US, China and the Middle East. Similar levels of success have been achieved in international petrochem, water and telecommunications markets working for major names such as Texaco and NEPA.

We recognise the major emphasis our customers place on quality and we offer a global and highly-responsive support service to ensure we maintain our stringent customer care commitments.

Utilising our award-winning, patented magnetic actuator technology, we have developed switchgear which can be configured to meet the demands placed upon it. All our products are rigorously endurance tested and designed to provide minimal maintenance over extended periods. In sectors where continual investment is required in network assets in order to improve service performance, our technology can truly be described as offering significantly reduced lifetime cost benefits.

Our utility sector product portfolio includes:



GVR/GVS – this award-winning, best in class, pole or substation-mounted switchgear has been developed in many forms to meet customer requirements. Providing intelligent control and protection on above ground power distribution networks against transient faults, its key benefits are:

- » using our special control protection packages the unit can be programmed to operate as a stand-alone recloser or integrated into the most advanced distribution automation schemes;
- » environmentally friendly vacuum interruption, producing no by-products;
- » can operate independently of the MV supply;
- » the 3-in-1-recloser. The GVR can be configured to function as a Switch, Sectionaliser or Recloser by using one of our specially pre-engineered protection and control cubicles.



Horizon/Horizon Compact – utilising our patented, low energy, magnetic acuator design, it fills the market need upto 38kV outdoor ground mounted circuit breakers which can be used with other switchgear and transformers to provide compact and cost-effective substations. Key benefits include:

- » can replace obsolete oil or SF₆ equipment in existing substations;
- » highly reliable and maintenance free with an electrical life well in excess of standard requirements;
- » offers the performance of vacuum interrupters in an SF₆-filled, controlled environment;
- » optional adjustable legs version available.



Eclipse – bringing together the unparalleled performance of vacuum interrupters with the most advanced operating mechanism on the market today. Compact, simple to install and designed to provide a lifetime of unrivalled service, its key benefits include:

- » maintenance free design tested to 10,000 operations;
- » low energy mechanism with proven reliability and reduced lifetime costs;
- » a range of superior operator safety features;
- » reliable control features including an integral full monitoring module.



Hawkvac 15 – medium voltage indoor metalclad vacuum switchgear providing a compact and cost-effective solution in onerous environments. Key features include:

- » compact design allows for ratings of up to 2000A, 40kA within a 600mm panel width;
- » metalclad, multi-compartment housing allows work in safe areas whilst preventing access to live equipment;
- » top or bottom cable access.



Containerised Substations – purpose built substations, housing erected, tested and commissioned MV switchgear in one complete package. Key features include:

- » large cost savings over conventionally built substations;
- » compact size;
- » time advantages – substations arrive on-site ready for immediate cable connection.



VMV/VMVD – metalclad, flush-mounted 11kV VMV indoor vacuum switchgear with air insulated busbars and a vertically isolated, withdrawable vacuum circuit breaker. Available in single busbar (VMV) or double busbar (VMVD) format, key features include:

- » single busbar and double busbar;
- » integral fault making cable earth switch;
- » high reliability.