

**Client:**  
Encon Ltd

**OEM:**  
Engineered Systems (Electrical) Ltd

**Project:**  
Supply of HV Switchgear, LV Transformer & close-coupled ACB Cabinets & Feeder Pillars

**Location:**  
Wrenbridge, Snodland

**Capability:**  
Engineered Systems (Electrical) Ltd were established in 1992, to undertake the supply and installation of HV transformers and associated equipment. This led to an opportunity to Supply LV transformer-mounted cabinets. After a long and reliable working relationship with Terasaki, ESE Ltd decided to incorporate Terasaki devices in to their new EOS Range of Transformer-Mounted Extensible Outdoor Switchgear. The challenge was to incorporate a compact range of circuit breakers with durable performance for both industrial & commercial applications, which was readily available on short lead times to support the business.

“We standardised on Terasaki devices as we have always had great support from team Terasaki” - Michael Keith, Managing Director, ESE Ltd.

When complete the range was fully tested to IEC 61439-5 and passed with flying colours.

# Extensible Outdoor Switchgear Tested to IEC 61439-5

The Encon Project was a significant project for ESE Ltd to supply MV Switchgear, two transformers and two transformer-mounted extensible ACB and MCCB cabinets using Terasaki devices throughout. In addition to the equipment ESE Ltd were also successful in securing the HV cabling from the switchgear to the transformers. The project was initially quoted in June 2020 with an order being secured in July. The HV switchgear, Transformer and LV Cabinets were all complete and available for installation which was scheduled for February at the client's request, with an Energisation date in March 2021.



EOS Range at ESE Ltd Facility awaiting dispatch.



Eos Range complete with Terasaki ACBs & MCCBs

### Terasaki Components Employed

- TemPower 2 ACBs
- TemBreak 2 MCCBs



TemPower 2 ACB (left), TemBreak 2 MCCB (right)

