Package Substation
from Lucy Switchgear and CG Power Solutions

providing intelligent solutions
Lucy Switchgear and CG Power Solutions have accumulated a wealth of experience through close collaboration with Distribution Network Operators (DNOs) and large industrial customers in their respective fields of MV secondary switchgear and distribution transformers.

Against a background of a constantly evolving market environment, organisations such as Independent Distribution Network Operators (IDNOs) are undertaking a greater number of contestable connections and increasingly seeking single source solutions to reduce administration and installation time. The package substation represents a big step in achieving this goal.

Working in partnership, Lucy Switchgear and CG Power Solutions have engineered a competitive package substation offer which brings together the best elements in their market-leading product ranges.

Solution:
- Lucy Switchgear
  - Sabre Ring Main Unit
  - AcuLok transformer mounted low voltage distribution cabinet
- CG Power Solutions
  - Fluid filled distribution transformer

Customer benefits:
- Pre-assembled for quick installation
- UK stocks reducing lead times
- One point of contact
- Three market-leading products in one solution
- Technical expertise and support
- Approved by local DNO (G81 recommendations), also fully ENA assessed
- Fully warranted

Applications:
- Power distribution and generation
  - Contestable connections (POC)
  - IDNO (Independent Distribution Networks)
  - Wind farms
  - PV solar farms
- Industrial
  - Data centres
  - Water authorities
  - Hospitals
  - Educational institutions
  - Airports
  - Commercial buildings

To find out more about us, visit:
www.lucyswitchgear.com
Non-extensible Ring Main Unit: Sabre VRN2a/VRN6a

- SF6 gas insulated ring switches with vacuum circuit breaker, clean break technology, unrivalled levels of operator safety with low maintenance requirements
- 12kV rated, 630A ring switches, 250A & 630A T-off circuit breaker variants
- Protection with TLF (Time Limit Fuse) or advanced self powered relays
- IP54 protection for indoor/outdoor installation
- Fully interlocked switches, to ESI 41-36, with padlocking for safe operation

Transformer mounted low voltage distribution AcuLok TMO

- Option of 4, 5 and 6 outgoing fuse ways with 630A rating
- Innovative fully shielded fuse handle design with single movement automatic fuse clamping operation
- Independent load make - load break transformer switch isolation for all three phases with 2000A rating
- Provision of Veam connectors for standby generation
- Live current measurement & fuse test access facility per fuse handle
- IP43 protection for indoor and outdoor installation
- Transformer mounted MCCB and ACB cabinets also available on request

Transformers:

- A wide range of transformers to suit various application needs (typically 500, 800, 1000, 1500, 2000MVA, higher ratings on request)
- Extremely low noise making design to comply with the local requirements
- Highly energy efficient with very low eddy current and hysteresis losses
- Free breathing and hermetically sealed variants available.
- Mineral oil (std) or high fire point fluids options (Midel, Silicone)
- ESI (unit type) or BEBS style transformers available.
- Compact design, virtually maintenance free