



NG Bailey

Freedom
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POC-MAST™ A UNIQUE SOLUTION FOR PROVIDING NETWORK CONNECTIONS UP TO 132KV

E&T Innovation AWARDS Winner

2021 CN AWARDS WINNER

UK PATENT NUMBER GB2579518 AND GB2537082



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This award winning innovative solution has been developed by our in-house design team. The POC-MAST™ (Point Of Connection) provides an easy to install, safe and cost effective method of connecting to an existing overhead line tower which enables developers to achieve a viable point of connection for their schemes.

This patented solution has been designed to provide significant health and safety, installation, maintenance, environmental and cost benefits. Suitable for connecting to overhead lines from 33kV upwards on either load or generation schemes, the POC-MAST™ can connect to either tension or suspension towers using a tee in or loop in loop out configuration.

Health and safety

- No deep excavations required
- Greatly reduced time spent working at height
- No heavy lifting operations required, lifted by way of hydraulic ram

Cost effective

- Considerable cost savings against traditional connection methods (no requirement to replace/modify existing tower)
- No requirement for overhead line temporary diversions
- Greatly reduced installation programme

Minimum outage requirements

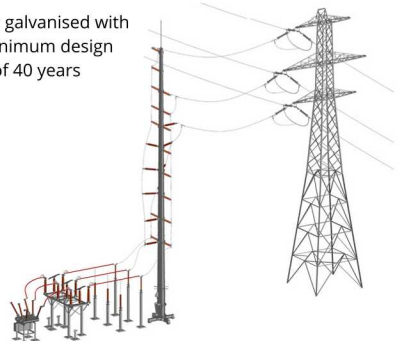
- No requirement for outages to construct complex OHL diversions
- The majority of works undertaken pre-outage with final connection requiring a single outage for a matter of hours

Environmental and visual impact

- The design provides minimal visual impact
- The screw anchor foundation option provides reduced footprint and typically saves over 30 tonnes of concrete
- No access accommodation required for heavy lifting plant

Low maintenance solution

- Fully galvanised with a minimum design life of 40 years



For more information on the POC-MAST™ solution, please contact us on 0845 168 6040 or visit www.freedom-group.co.uk