



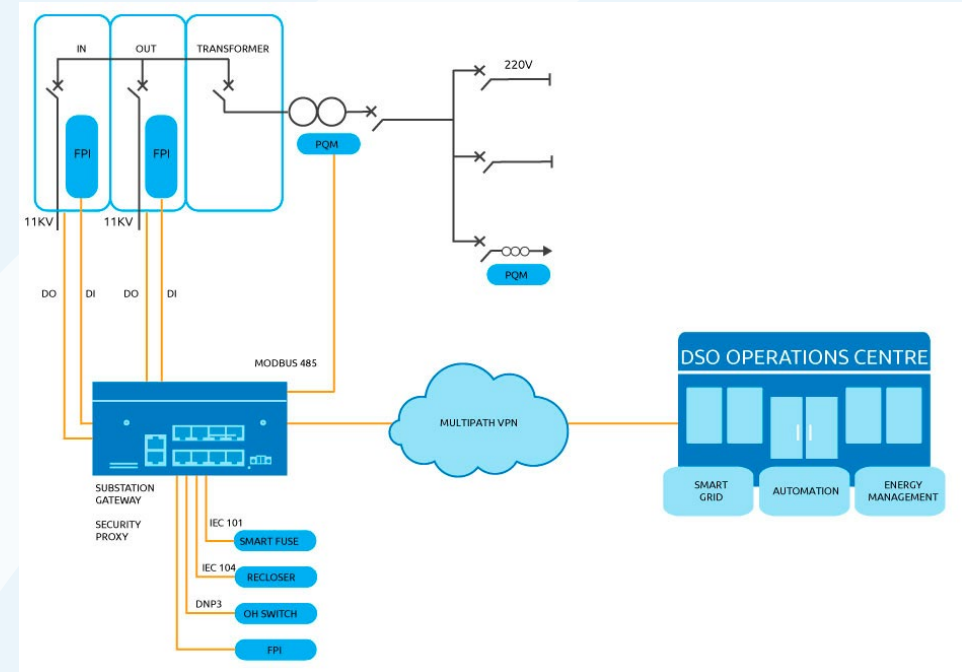
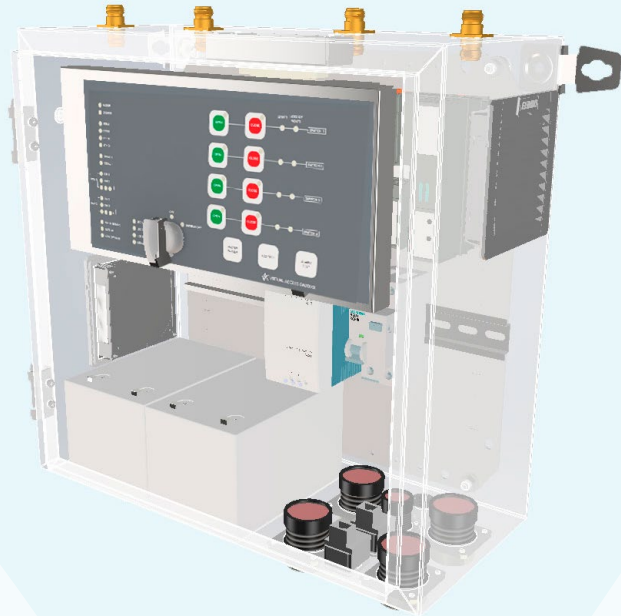
# Line Switching & FPI Applications

CRITICAL APPLICATION CONNECTIVITY

9B Beckett Way  
Park West Business Park  
Dublin 12  
D12 PK44  
Ireland  
Tel: +353 1 604 1800

Providing resilient and secure connectivity for tens of thousands of substations worldwide.  
Call us anytime to discuss our experience in Distribution System Operators (DSOs) worldwide.

## Highly Integrated, Secure Substation Gateway for MV/LV Line Switching, RMU Management and FPI Applications



### Substation Gateway Specification

Number of RMUs	1 or 2
Number of switch connectors	2 or 4; each one supports an east or west RMU switch
Switch connector	ITT Cannon Neptune Series socket
GPIO connector	1 x ITT Cannon Neptune Series socket
Ethernet	1 x RJ45 with sealing kit
RS485/RS2323	1 x RJ45 with sealing kit
HMI panels	1
Power	220V AC mains
Mounting	Wall mounting
IP rating & fabrication	IP55, stainless steel or polycarbonate
Enclosure dimensions	400 x 400 x 210mm for 1 RMU; 600 x 400 x 210mm for 2 RMUs

- RTU & router functionality in one device
- Optional HMI for local control
- Integrated SCADA protocol converter
- Cyber security including IEC 62351, PKI support & TEE
- Application level firewall
- IEC60870-5-101, IEC60870-5-104, IEC61850, Modbus RTU/TCP, DNP3, RS232, RS485
- Digital inputs, digital outputs, analogue inputs
- 2 RF modules: LTE, 3G, CDMA450
- Can be controlled directly from SCADA master
- Substation hardened and certified for extremes of weather, electrical surges, vibrations & shocks
- IP-rated outdoor enclosure
- High density Amphenol connectors for ease of installation & maintenance
- Last GASP
- PSU with intelligent battery charger
- 72 hour battery
- Management system optimised for large scale utility deployments