



SUPPLIERS

- LEGEND**
 ✓ Conventional
 ✗ IEC 61850 Capable
 ✓✗ Both Conventional & IEC 61850 Capable

PRODUCTS/SERVICES

	ABB Australia 61 2 9821 0111	Ampcontrol 61 2 4961 9000	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	AVO New Zealand 64 3 348 5999	Celermatrix 1800 256 838	Chase Power 61 7 3206 1105	Cooper Electrical 61 2 8787 2796	CSE-Universe 61 2 8853 4200	Dynamic Ratings 61 3 9574 7722	Electropar 64 9 274 2000	Enertel 61 2 9615 9117	Lord Power Equipment 1800 128 000	Maunsell/AECOM 61 8 7100 6543	Megavar 1 300 730 499	OMICRON electronics 61 3 9450 1507	Power Parameters 61 3 9450 1500	Rans Electrical 1 300 56RANS	Schneider Electric 1300 369 233	SEL 61 3 9464 4711	Serck Controls 61 2 4941 1211	Siemens 61 3 9721 2000	Sunstate Electrical 61 7 3488 0412	Tyco Electronics-Crompton 1300 656 090	Warsash Scientific 61 2 9319 0122
Fixed Voltage & Current Detectors							✓																		
Protection Relays		✓	✓				✓	✓	✓✗		✓	✓			✓✗			✓✗	✓✗	✓✗		✓✗		✓	✓
Auto Reclose	✓✗		✓✗				✓	✓	✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
Auto Synchronising			✓				✓		✓✗						✓✗			✓✗		✓✗		✓✗		✓	✓
AUX Trip and Timer			✓				✓		✓✗						✓✗			✓✗	✓✗	✓✗		✓			
Breaker Failure	✓✗		✓✗				✓		✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			
Busbar Protection	✓✗		✓✗				✓		✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			
Capacitor Bank	✓✗						✓	✓	✓✗		✓	✓			✓✗			✓✗	✓✗	✓✗		✓✗			✓
Check Synchronising	✓✗		✓✗						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗		✓	✓
Collapse Prediction	✓✗		✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Current Differential	✓✗		✓✗					✓	✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
Digital Distribution	✓✗		✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Digital Feeder	✓✗		✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Distance Protection	✓✗		✓✗					✓	✓✗						✓✗			✓✗		✓✗		✓✗			
Distribution Feeder O/C	✓✗		✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
Earth Fault Overcurrent	✓✗		✓				✓	✓	✓✗						✓✗			✓✗	✓✗	✓✗		✓✗		✓	✓
Feeder Management	✓✗		✓✗						✓✗						✓✗			✓✗		✓✗		✓✗			✓
Feeder Protection Monitor	✓✗		✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Generator Protection	✓✗		✓✗				✓		✓✗						✓✗			✓✗	✓✗	✓✗		✓✗		✓	✓
Generator Excitation									✓✗						✓✗			✓✗		✓✗		✓✗		✓	
High Impedance Feeder Protection	✓		✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓			
Motor Management	✓✗	✓	✓✗						✓✗						✓✗			✓✗		✓✗		✓✗		✓	
Phase Failure			✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗		✓	✓
Pilot Wire Differential			✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Railway Protection	✓✗		✓✗						✓✗						✓✗			✓✗		✓✗		✓✗			
Restricted Earth Fault	✓		✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
Sensitive Earth Fault	✓✗		✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
System Protection			✓✗						✓✗						✓✗			✓✗		✓✗		✓✗		✓	
Test Blocks		✓	✓	✓					✓✗						✓✗			✓✗		✓✗		✓			✓
Transformer Differential	✓✗		✓✗				✓		✓✗						✓✗			✓✗	✓✗	✓✗		✓✗			✓
Volt/Frequency/Overfluxing	✓✗		✓						✓✗						✓✗			✓✗	✓✗	✓✗		✓✗		✓	
Voltage Selection			✓						✓✗						✓✗			✓✗		✓✗		✓✗			
132kV InterTie Protection (Directional)			✓✗						✓✗						✓✗			✓✗		✓✗		✓✗			
Wind Generator Protection			✓						✓✗						✓✗			✓✗		✓✗		✓✗			
Relay Test Equipment						✓✗		✓✗							✓✗	✓✗	✓✗			✓✗		✓	✓✗		

protection and control

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Substation Automation	✓✗	✓✗	✓✗					✓✗	✓✗					✓✗	✓✗			✓✗		✓✗	✓	✓✗			
Control Units	✓✗		✓✗					✓✗	✓✗											✓✗	✓	✓✗			
Field	✓✗		✓✗					✓✗	✓✗											✓✗	✓	✓✗			
Remote	✓✗		✓✗					✓✗	✓✗											✓✗	✓	✓✗			
Station	✓✗		✓✗					✓✗	✓✗											✓✗	✓	✓✗			
Control Room Systems	✓✗							✓✗	✓✗					✓✗	✓✗					✓✗		✓✗			
IEC 61850	✓✗		✗	✓✗				✓✗	✓✗					✓✗		✓✗				✓✗	✓✗	✓✗			
Engineering Tools	✓✗		✗					✓✗	✓✗					✓✗		✓✗	✓✗			✓✗	✓✗	✓✗			
Integration	✓✗		✗					✓✗	✓✗					✓✗	✓✗					✓✗		✓✗			
System Design	✓✗							✓✗	✓✗					✓✗								✓✗			
Industrial Networks	✓✗		✗						✓✗					✓✗								✓	✓✗		
Temperature Sensors					✓					✓			✓										✓		✓
Time Synchronisation Devices	✓✗		✓					✓✗	✓						✓✗	✓	✓			✓✗		✓✗			
IRIG-B	✓✗		✓					✓✗	✓							✓✗	✓			✓✗		✓✗			
Satellite GPS			✓					✓✗	✓							✓✗	✓					✓✗			
Voltage Regulators	✓✗	✓													✓✗										
Transformers with OLTC	✓✗	✓																				✓✗			
Transformers in Parallel	✓✗	✓																							
Wildlife Outage Systems					✓								✓												

Process Bus Solution HardFiber™

Specifically designed to reduce the cost and complexity of bringing copper from the yard.

The HardFiber™ Brick builds on today's skills to deliver tomorrow's performance.

- Based on IEC 61850 Process Bus communications data set
- Available for a variety of protection applications, including generator, transformer, transmission line, bus, feeder, capacitor bank & motor protection
- Up to 50% reduction in installation & maintenance costs
- Increased worker safety & power system reliability
- **IEC 61850 training services available**



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