

communications systems and equipment

page 1

LEGEND

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

PRODUCTS/SERVICES

	ABB Australia 61 3 8544 0051	ADEA Power Consulting 61 2 9231 1301	Ampcontrol 61 2 4961 9000	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	Bri-Tech Pty Ltd 61 8 9270 6200	Chase Power 61 7 3206 1105	Cooper Electrical 61 2 8787 2779	CrispTech 1 300 727 477	CSE-Semaphore 61 3 8544 8544	CSE-Uniserve 61 2 8853 4200	DEHN + SÖHNE 61 3 8414 8277	EATON 1300 332 866	ERICO 1 800 055 599	Jemena www.jemena.com.au	Maxon Australia 61 2 8707 3000	NDT Equipment Sales 61 2 9524 0558	Preformed Line Products 61 2 8805 0000	PCE 61 2 4961 3344	Quasar Systems 64 3 343 9150	RF Industries 61 2 8838 0900	Rod Hughes Consulting 61 8 7127 6357	Schneider Electric 1300 369 233	Siemens 61 137 222	SUPREME Tech & Energy Sols 1800 834 991	Tyco Electronics-Energy 61 2 4389 6000	Warsash Scientific 61 2 9319 0122	
Coaxial/Copper Enclosures	✓																											
Indoor	✓																											
Overhead																												
Specialist Applications	✓																											
Communication Equipment	✓																											
Console Servers	✓																											
Ethernet Switches																												
SNMP-OPC Server																												
Media Converters																												
Modems 3G Serial																												
Multiplexers																												
Multi-Port Serial Boards																												
Routers (3G)																												
Servers																												
Serial																												
Substation Gateways	✓			✓	✓			✓	✓	✓	✓																	
USB-to-Serial Hubs																												
Communication Systems	✓		✓	✓	✓				✓																			
AMR																												
Control Room				✓																								
Cyber Security Solutions					✓			✓																				
Digital Multiplexer	✓																											
Ethernet	✓																											
Hubs	✓																											
Router	✓																											
Switches	✓																											
Industrial Networks	✓		✓	✓																								
IP WAN Network																												
Microwave	✓																											
Radio																												
Licenced																												
Licence Free																												
Network Management				✓																								
Telemetry																												
3G Modems																												
Radio																												
Wireless																												
CDMA																												
Ethernet																												
Serial Servers																												
Switches																												
GSM																												
Comms Controllers/RTUs	✓✗																											
Standard RTUs	✓✗																											
Programmable RTUs	✓✗																											
RTU (Modem Combination)	✓✗																											

Communication Services



INDUSTRIAL DEFENDER®

CSE-Uniserve Engineering Services group is highly experienced in the design and implementation of Ethernet networks in utility and industrial RTUs conditions, in Australia. Partner with us. Network, security and IEC 61850 training services.

Defence-in-Depth SCADA oriented cyber security solution, with support for all major SCADA/control platforms.

LEGEND

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

PRODUCTS/SERVICES

SUPPLIERS

	ABB Australia 61 3 8544 0051	ADEA Power Consulting 61 2 9231 1301	Ampcontrol 61 2 4961 9000	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	Bri-Tech Pty Ltd 61 8 9270 6200	Chase Power 61 7 3206 1105	Cooper Electrical 61 2 8787 2779	CrispTech 1 300 727 477	CSE-Semaphore 61 3 8544 8544	CSE-Uniserve 61 2 8853 4200	DEHN + SÖHNE 61 3 8414 8277	EATON 1300 332 866	ERICO 1 800 055 599	Jemena www.jemena.com.au	Maxon Australia 61 2 8707 3000	NDT Equipment Sales 61 2 9524 0558	Preformed Line Products 61 2 8805 0000	PCE 61 2 4961 3344	Quasar Systems 64 3 343 9150	RF Industries 61 2 8838 0900	Rod Hughes Consulting 61 8 7127 6357	Schneider Electric 1300 369 233	Siemens 61 137 222	SUPREME Tech & Energy Sols 1800 834 991	Tyco Electronics-Energy 61 2 4389 6000	Warsash Scientific 61 2 9319 0122	
Communications Test Equipment																												
Acceptance Testing																						✓					✓	
Commissioning																						✓					✓	
Conformance Testing																						✓					✓	
Fault Diagnosis																						✓					✓	
Network Benchmarking																						✓					✓	
Performance Testing																						✓					✓	
Fibre Optics (See Fibre Optics page 35)	✓	✓							✓						✓												✓	✓
Fibre Optic Transceivers									✓																	✓		✓
GPS Navigation Devices																										✓	✓	✓
Mobile Computing																										✓	✓	✓
Power Supplies (See page 34)							✓		✓				✓									✓				✓	✓	✓
SCADA				✓						✓	✓				✓	✓					✓					✓	✓	✓
Telemetry & Control				✓						✓	✓				✓	✓					✓					✓	✓	✓
RTU's				✓						✓	✓				✓	✓					✓					✓	✓	✓
Modbus				✓						✓	✓				✓	✓					✓					✓	✓	✓
DNP3				✓						✓	✓				✓	✓					✓					✓	✓	✓
Secure DNP				✓						✓	✓				✓	✓					✓					✓	✓	✓
IEC 60870				✓						✓	✓				✓	✓					✓					✓	✓	✓
IEC 61850				✓						✓	✓				✓	✓					✓					✓	✓	✓
SNMP				✓						✓	✓				✓	✓					✓					✓	✓	✓
Software Monitoring & Control				✓						✓	✓										✓					✓	✓	✓
Telecommunication Protection				✓								✓				✓						✓				✓	✓	✓
Powerline Carrier Protection Equipment	✓			✓								✓				✓						✓				✓	✓	✓
Surge Protection	✓			✓		✓						✓				✓						✓				✓	✓	✓
Surge Protection to IEC 61643-21	✓			✓		✓						✓				✓						✓				✓	✓	✓
Antenna Systems												✓				✓						✓						
Broadband Systems												✓				✓						✓						
Bus/Measuring/Control Equipment												✓				✓						✓						
Data Networks												✓				✓						✓						
Intrinsically Safe Circuits & Bus Systems												✓				✓						✓						
Isolating Spark Gaps												✓				✓						✓						
Telecommunications, Telephony												✓				✓						✓						
Transmitting and Receiving Systems												✓				✓						✓						
Video Systems												✓				✓						✓						
Tele-control	✓			✓							✓															✓	✓	✓
Telemetry	✓			✓							✓											✓				✓	✓	✓
Voice Frequency	✓			✓																								
G703-digital	✓			✓																								
RS422-digital	✓			✓																								
Fibre Optic Interface	✓			✓																								
Wave Traps	✓			✓																								
Time Synchronisation Devices				✓								✓				✓												
IRIG-B				✓								✓				✓												
Satellite GPS				✓								✓				✓												
Video/Voice Over IP - VoIP				✓								✓									✓							



NEW,
RuggedMAX rugged WiMAX
solutions for Smart Grid.



Specifically designed to exceed the harsh electrical specifications and environmental conditions of the substation environment.

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