refurbishment and services

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SUPPLIERS

PRODUCTS/SERVICES

PRODUCTS/SERVICES	ABB Australia 1300 782 527	ABnote Australasia 61 3 9556 8111	Aerial Photography Specialists 0439 891550	Alstom Grid 1300 ALSTOM	AEMC Instruments www.aemc.com	Ampcontrol 61 2 4961 9000	Barrier Signs 61 2 6552 7200	CABAC Power 1800 769 370	Chase Power 61 7 3822 8000	CSE-Uniserve 61 2 8853 4200	Dynamic Ratings 61 3 9574 7722	EA Technology 61 7 3899 9988	EATON 1300 332 866	Electrix Australia 61 3 9399 4688	Electrix New Zealand 64 9 270 1700	EMC Pacific 61 3 9706 6643	Energy Svs. Invironmental 61 2 6204 0900	Enertel 61 2 9615 9117	Extreme Safety 61 7 3282 0911	Hawker Siddeley SWG 61 7 3888 1455	High Voltage Solution 64 2 7419 9952	HV Diagnostic Services www.hvds.co.nz	Insulect Australia www.insulect.com	Macey's Electrical 61 2 4353 4644	Martec Asset Solutions 61(0)430 149 665	NYNAS 61 7 3390 6155	OBIAT 61 2 9748 8699	Pacific Test Equipment 61 2 9659 2300	Power Parameters 61 3 9450 1500	Powertech 61 8 9244 4477	Preformed Line Products 61 2 8805 0000	RPS Switchgear 61 7 3862 1499	S&C Electric www.sandc.com	Schneider Electric 1300 369 233	Select Solutions 61 3 9695 6000	Sunstate Electrical 61 7 3488 0412	TE Connectivity Crompton 1300 656 090	Thew & McCann 61 7 3826 6000	TJH2b Analytical Svs 61 3 9574 9467	TRIO SmartCal 1300 853 407	TWS Energy Controls 1800 124 747	Wilson Transformer Co 61 3 9560 0411
Asset ID Barcode Tags *see page 162*	✓	✓				✓													✓																				
Cable Fault Location					✓								✓								✓			✓		✓		✓	✓						✓		✓		
Cable Sniffer												✓																✓							✓				
Compliance Testing				✓															✓											✓								
HV Detectors				✓															✓											✓								
Sticks/Gloves/Mats																			✓											✓								
Condition Assessment	✓		✓			✓						✓	✓	✓							✓	✓		✓					✓		✓		✓	✓	✓	✓		
Overhead Lines			✓									✓		✓							✓			✓					✓				✓		✓			
Partial Discharge Mapping												✓									✓	✓		✓					✓		✓		✓	✓	✓			
Surveys			✓									✓									✓								✓			✓	✓		✓			
Switchgear	✓											✓	✓							✓	✓	✓		✓					✓		✓		✓		✓	✓		
Up to 33kV	✓											✓								✓									✓				✓					
Underground Cables						✓						✓		✓								✓	✓		✓					✓					✓			
Earth Grids						✓			✓					✓					✓		✓						✓			✓				✓				
Earth Testing to AS3000						✓								✓					✓								✓			✓				✓				
Electric Motors	✓																																	✓				
AC/DC Rewind	✓																																					
Test Systems																																		✓				
Engineering Consultancy				✓		✓						✓	✓									✓	✓		✓					✓		✓		✓			✓		
Condition Assessment												✓	✓									✓	✓		✓					✓		✓		✓					
Instrumentation						✓		✓							✓			✓	✓					✓			✓	✓	✓	✓				✓		✓			
Calibration & Measurement						✓													✓					✓			✓	✓	✓	✓				✓		✓			
Frequency and Time						✓													✓					✓					✓	✓				✓		✓			
Repair						✓													✓					✓				✓	✓	✓				✓		✓			
Standards						✓												✓	✓					✓					✓	✓				✓		✓			
Test and Commissioning						✓									✓				✓					✓				✓		✓				✓				
Insulator Assessment			✓													✓																						
Insulator Washing						✓																																
NATA Accredited Services				✓				✓																						✓	✓	✓			✓			✓	✓	
Laboratories/Inspection Services				✓																										✓	✓	✓						✓	✓	
Oil Services	✓			✓		✓					✓	✓					✓	✓												✓				✓	✓			✓		✓
Dissolved Gas Analysis (DGA)				✓		✓					✓	✓					✓													✓				✓	✓			✓		✓
DGA Database Software				✓		✓											✓																		✓			✓		✓
Preservation	✓			✓		✓											✓																						✓
Purification / Filtration				✓		✓											✓																	✓					✓
Testing				✓		✓						✓					✓	✓																✓	✓			✓		✓
Oil Supply																	✓										✓											
Mineral Insulating																	✓										✓											
Overhead Lines			✓									✓		✓								✓	✓		✓														
Bushfire Mitigation														✓								✓																	
Fault Detection			✓											✓											✓														
Inspection Services			✓											✓								✓																	
Laser Surveying			✓																																			
RFI Testing																						✓																
Ultrasonic Testing												✓										✓	✓		✓													
PLCs - Installation & Test	✓					✓			✓																													
Portable Instrument Calibration																			✓								✓			✓								
Power Factor Correction	✓					✓			✓	✓			✓		✓																			✓	✓			✓		
Power Quality Calibration						✓				✓			✓															✓	✓										
Protection Schemes	✓					✓				✓					✓									✓											✓				
Railway Signalling	✓																																				✓	✓
Transformer Refurbishment	✓																																	✓			✓	✓
Relay Testing	✓					✓				✓					✓															✓					✓				
IEC 61850 System Test	✓									✓													✓							✓					✓				

refurbishment and services

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SUPPLIERS

PRODUCTS/SERVICES

	50Hz Solutions 61 2 9439 0041	ABB Australia 1300 782 527	ABnote Australasia 61 3 9556 8111	Aerial Photography Specialists 0439 891550	Alstom Grid 1300 ALSTOM	Ampcontrol 61 2 4961 9000	Chase Power 61 7 3822 8000	CSE-Semaphore 61 3 8544 8544	CSE-Uniserve 61 2 8853 4200	Dynamic Ratings 61 3 9574 7722	EA Technology 61 7 3899 9988	EATON 1300 332 866	Electrix Australia 61 3 9399 4688	Electrix New Zealand 64 9 270 1700	Energy Svs. Invironmental 61 2 6204 0900	Eng-Com www.engcom.com.au	ETEL Ltd 64 9 820 6110	Excess Power Equip. 61 8 9493 3077	Extreme Safety 61 7 3282 0911	Hawker Siddeley SWG 61 7 3888 1455	High Voltage Solution 64 2 7419 9952	HV Diagnostic Services www.hvds.co.nz	Martec Asset Solutions 61(0)430 149 665	NDT Equipment Sales 61 2 9524 0558	Powertech 61 8 9244 4477	Quasar Systems 64 3 343 9150	RPS Switchgear 61 7 3862 1499	Schneider Electric 1300 369 233	Select Solutions 61 3 9695 6000	SMS Omni-feed 1300 662 987	Tavrida Electric AUST 61 3 9786 7444	Thew & McCann 61 7 3826 6000	TJH2b Analytical Svs 61 3 9574 9467	Transformer Filtration Sys 61 7 3356 5668	Warsash Scientific 61 2 9319 0122	Wilson Transformer Co 61 3 9560 0411
Rotating Plant														✓									✓						✓							
Condition Maintenance														✓						✓															
Diagnostic Services														✓						✓		✓							✓						
Magnetic Auto-Downcycling																						✓													
Magnetic Field Measurement																						✓													
Shaft Condition Monitoring																					✓		✓												
Testing Services														✓							✓								✓						
Safety Systems		✓										✓		✓														✓							
Key Interlocking Retrofits		✓																										✓							
Mechanical Interlock		✓																										✓							
Operator Safety Retrofit Solutions		✓																									✓	✓							
Remote Operating Units		✓										✓															✓	✓							
Remote Racking Units		✓										✓															✓	✓							
SCADA Systems		✓				✓			✓										✓						✓		✓							
IEC 60870								✓	✓																			✓							
DNP 3								✓	✓																	✓		✓							
Modbus								✓	✓																	✓		✓							
IEC 61850 System Test		✓							✓																	✓		✓							
SF_6 Gas Reclamation	✓	✓												✓														✓							
SF_6 Gas Servicing Equipment	✓	✓												✓														✓							
Silca Gel & Breathers														✓																✓					
Switchboard Maintenance		✓				✓						✓		✓						✓	✓	✓			✓		✓	✓			✓					
Live Cubicle Repairs		✓				✓						✓		✓						✓					✓						✓					
Preventative		✓				✓						✓		✓						✓	✓	✓			✓			✓							
Programmable		✓				✓						✓		✓						✓	✓				✓			✓							
Refurbish		✓				✓						✓		✓						✓								✓			✓				
Retrofit		✓				✓						✓		✓						✓							✓	✓			✓		✓		
Switchgear / Circuit Breakers		✓				✓					✓	✓		✓	✓					✓	✓		✓		✓		✓	✓				✓	✓		
Condition Assessment		✓				✓					✓	✓		✓	✓					✓	✓		✓		✓		✓	✓				✓			
End of Life Disposal		✓																			✓						✓							
Install and Commission		✓				✓						✓		✓						✓	✓						✓	✓							
Refurbish		✓				✓						✓		✓	✓					✓								✓			✓				
Air, Oil, SF_6 and Vacuum		✓										✓		✓	✓					✓								✓			✓				
Recycle																												✓							
Air, SF_6 and Vacuum		✓																			✓							✓							
Retrofit		✓				✓						✓		✓						✓							✓	✓							
Spares		✓				✓						✓				✓				✓							✓	✓							
Switchrooms up to 36kV		✓				✓							✓	✓					✓	✓	✓				✓			✓							
Install & Commission		✓				✓							✓	✓						✓	✓							✓							
Maintenance		✓				✓							✓	✓						✓	✓				✓			✓							
Rescue Equipment														✓					✓																
Tap Changer Service		✓			✓	✓								✓		✓												✓					✓		✓
Thermographic Inspection				✓		✓	✓						✓										✓		✓	✓		✓	✓					✓	
Corona Inspection							✓																		✓			✓	✓						
Line Inspection				✓			✓						✓																✓						
Transformer Services		✓			✓	✓				✓	✓		✓	✓	✓		✓	✓			✓		✓					✓	✓					✓	✓
Condition Assessment		✓			✓	✓				✓	✓			✓	✓			✓					✓					✓	✓						✓
Installations		✓			✓	✓							✓	✓														✓							✓
Upgrades		✓			✓	✓				✓				✓														✓							✓
De-gasing		✓			✓	✓				✓				✓	✓													✓					✓		✓
Maintenance / Repair		✓			✓	✓								✓	✓			✓										✓							✓
Major Overhaul		✓			✓	✓								✓				✓										✓							✓
Monitoring & Control Systems		✓	✓		✓	✓				✓				✓										✓				✓						✓	✓
Off-Line Filtration		✓			✓	✓								✓	✓			✓															✓		✓
Oil Conditioning		✓			✓	✓				✓				✓	✓			✓										✓					✓		✓
OLTC's		✓			✓									✓	✓			✓						✓											✓
On-Line Dry-Out		✓			✓	✓				✓				✓	✓									✓									✓		✓
Post Fault Investigations		✓			✓	✓					✓			✓				✓											✓						✓
Refurbish		✓			✓	✓								✓			✓	✓										✓							✓
Variable Speed Drives		✓					✓		✓			✓																								
Installation		✓					✓		✓			✓																								
Test & Repair		✓					✓		✓			✓																								