

SUPPLIERS

PRODUCTS/SERVICES

	ABB Australia 61 7 3713 9111	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	AVO New Zealand 64 3 348 5999	AVT Services 1800 55 99 88	Celematrix 1800 256 838	Cooper Electrical 61 2 8787 2796	Delstar NZ 64 9835 3400	Dynamic Ratings 61 3 9574 7722	Electrix New Zealand 64 9 270 1700	EMC Pacific 61 3 9706 6643	Energy Sys. Environmental 61 2 6241 5367	Enertel 61 2 9615 9117	Eng-Com www.engcom.com.au	Excess Power Equip. 61 8 9493 3077	High Voltage Solution 64 2 7419 9952	Hylec Energy Solutions 61 7 3890 0966	LazerTech2005 64 3 438 7694	Lord Power Equipment 1800 128 000	Macey's Electrical 61 2 4353 4644	Maunsell/AECOM 61 8 7100 6543	Megavar 1 300 730 499	OMICRON electronics 61 3 9450 1507	Power Parameters 61 3 9450 1500
Bushings	✓	✓					✓	✓		✓	✓							✓						
Fitting to 500 MVA	✓	✓					✓	✓		✓	✓							✓						
Components and Spares	✓	✓						✓										✓	✓					
Condition Assessment	✓	✓	✓	✓					✓	✓		✓			✓			✓	✓	✓				
Off-Site	✓	✓		✓						✓					✓			✓	✓	✓				
On-Site	✓	✓	✓	✓					✓	✓		✓						✓	✓	✓				
De-gasing	✓	✓							✓	✓		✓						✓				✓		
Oil Conditioning	✓	✓							✓	✓		✓			✓			✓						
Moisture Monitoring	✓	✓							✓	✓		✓			✓			✓						
Off-Line Filtration	✓	✓							✓	✓		✓			✓			✓						
On-Line Filtration	✓	✓							✓	✓		✓			✓			✓						
Condition Monitoring	✓	✓	✓	✓						✓								✓	✓	✓	✓	✓	✓	✓
Condition Monitoring System	✓	✓	✓	✓					✓			✓					✓	✓	✓	✓	✓	✓	✓	✓
IEC 61850 System	✓	✓										✓						✓					✓	✓
On-line	✓	✓	✓	✓					✓			✓					✓	✓	✓					
Thermographic	✓			✓														✓	✓					
Electronic & Control System (TEC)	✓								✓															
Fire & Explosion Protection Systems	✓	✓																						
Oil - Biodegradable	✓	✓	✓					✓							✓									
Oil / Insulation Preservation	✓	✓				✓			✓			✓	✓		✓	✓		✓						✓
Air Cell Barriers	✓	✓																✓						
Dissolved Gas Analysis (DGA)	✓	✓										✓						✓						✓
DGA Database Software		✓										✓						✓						
Oil Driers	✓	✓										✓			✓			✓						
Oil Regeneration Plant					✓																			
Oil Supply					✓							✓			✓			✓						
On-Line Dry-Out Systems		✓							✓			✓						✓						
PCB Dechlorination					✓							✓						✓						
PCB Destruction Unit					✓							✓						✓						
Preservation	✓	✓										✓						✓						
Purification / Filtration	✓	✓			✓							✓			✓			✓						✓
Reclamation / Desludging	✓	✓										✓			✓			✓						✓
Testing	✓	✓	✓			✓						✓	✓		✓			✓	✓					✓
Vacuum Filling	✓	✓										✓			✓			✓						
On-Line Control / Monitoring	✓	✓						✓	✓		✓							✓			✓	✓		
Acetylene Monitor									✓															
Blast & Fire Prevention		✓																						
Bucholz Relay	✓							✓										✓						
Bushing Monitoring Systems																								
Data Logging Systems	✓	✓							✓															
Gas Analysers - Multi Gas	✓	✓		✓				✓	✓										✓					✓
Gas Sampling Devices	✓			✓				✓										✓	✓					
Hydrogen Detection	✓	✓		✓					✓										✓					
IEC 61850 Systems	✓	✓																					✓	✓
Indicators	✓	✓						✓	✓									✓						
Oil Level	✓	✓						✓										✓						
Oil Flow	✓	✓						✓										✓						
Oil Temperature	✓	✓						✓	✓									✓						
Winding Temperature	✓	✓						✓	✓									✓						
Integrated Safety Devices	✓	✓																						
Mobile Air Breathing System					✓																			
Moisture Control Systems	✓	✓						✓				✓						✓						
Oxygen Control Systems	✓	✓										✓												
PD Monitoring Systems				✓		✓			✓								✓		✓					✓
Pressure Relief Devices		✓						✓										✓						
Substation Intruder Detection Infrared								✓										✓						
Tap Changer Monitoring	✓	✓	✓	✓				✓	✓			✓						✓	✓					
Transformer Management Systems	✓	✓	✓						✓									✓						
Winding Impedance Monitoring									✓															
Silica-Gel Breathers															✓		✓	✓						

transformer accessories and services

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SUPPLIERS

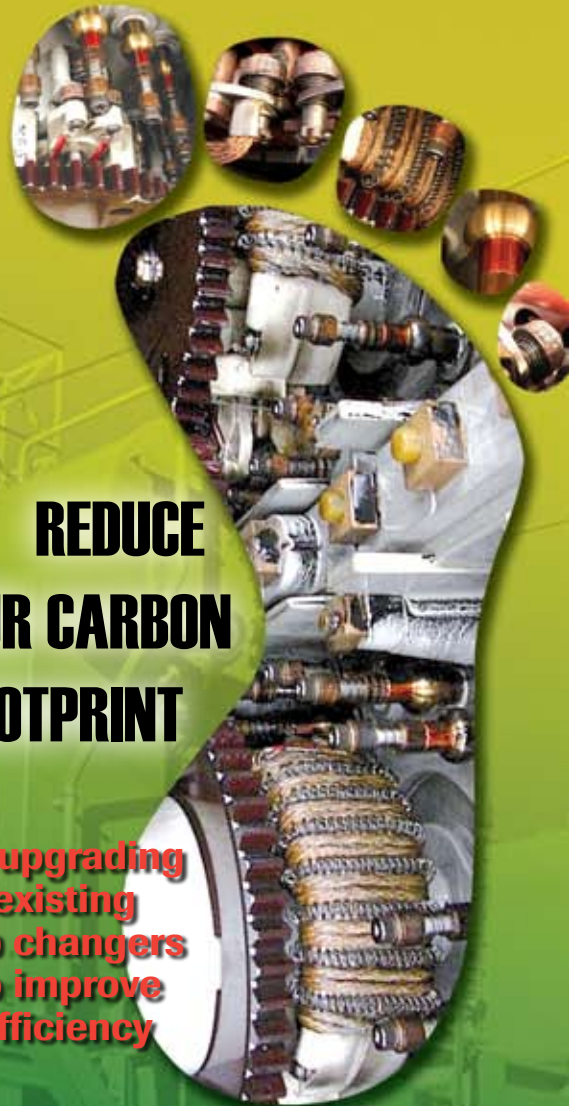
Performed Line Products 61 2 8805 0000							
Rans Electrical 1 300 56RANS							
Siemens 61 3 9721 2000	✓						
Sunstate Electrical 61 7 3488 0412							
Thew & McCann 61 7 3826 6000							
TJH ₂ b Analytical Services 61 3 9574 9467							
Vaisala 61 3 9815 6700							
Warsash Scientific 61 2 9319 0122							
Wilson Transformer Co 61 3 9560 0411							

PRODUCTS/SERVICES

Bushings							
Fitting to 500 MVA		✓					✓
Components and Spares							✓
Condition Assessment							✓
Off-Site				✓	✓		✓
On-Site				✓			✓
De-gassing							✓
Oil Conditioning							✓
Moisture Monitoring						✓	✓
Off-Line Filtration							✓
On-Line Filtration							✓
Condition Monitoring		✓			✓		✓
Condition Monitoring System							✓
IEC 61850 System		✓					✓
On-line		✓				✓	✓
Thermographic							✓
Electronic & Control System (TEC)							
Fire & Explosion Protection Systems							
Oil - Biodegradeable	✓						✓
Oil / Insulation Preservation					✓		✓
Air Cell Barriers							✓
Dissolved Gas Analysis (DGA)					✓		✓
DGA Database Software					✓		✓
Oil Driers							✓
Oil Regeneration Plant							✓
Oil Supply							✓
On-Line Dry-Out Systems							✓
PCB Dechlorination							✓
PCB Destruction Unit							✓
Preservation							✓
Purification / Filtration							✓
Reclamation / Desludging							✓
Testing					✓		✓
Vacuum Filling							✓
On-Line Control / Monitoring		✓					✓
Acetylene Monitor							✓
Blast & Fire Prevention							✓
Bucholz Relay							✓
Bushing Monitoring Systems							✓
Data Logging Systems							✓
Gas Analysers - Multi Gas							✓
Gas Sampling Devices					✓		✓
Hydrogen Detection							✓
IEC 61850 Systems		✓					✓
Indicators							✓
Oil Level							✓
Oil Flow							✓
Oil Temperature							✓
Winding Temperature							✓
Integrated Safety Devices							✓
Mobile Air Breathing System							✓
Moisture Control Systems							✓
Oxygen Control Systems							✓
PD Monitoring Systems		✓	✓				✓
Pressure Relief Devices							✓
Substation Intruder Detection Infrared							✓
Tap Changer Monitoring					✓		✓
Transformer Management Systems		✓					✓
Winding Impedance Monitoring							✓
Silica-Gel Breathers							✓

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SUPPLIERS

PRODUCTS/SERVICES

	ABB Australia 61 7 3713 9111	AREVA T&D 61 2 9739 3000	Arthur D. Riley 64 4 472 7614	AVO New Zealand 64 3 348 5999	AVT Services 1800 55 99 88	Celemetrix 1800 256 838	Cooper Electrical 61 2 8787 2796	Dynamic Ratings 61 3 9574 7722	EA Technology Australia 61 7 3161 4593	Electrix New Zealand 64 9 270 1700	Electropar 64 9 274 2000	Energy Sys. Environmental 61 2 6241 5367	Enertel 61 2 9615 9117	Eng-Com www.engcom.com.au	Excess Power Equip. 61 8 9493 3077	High Voltage Solution 64 2 7419 9952	LazerTech2005 64 3 438 7694	Lord Power Equipment 1800 128 000	Macey's Electrical 61 2 4353 4644	Maunsell AECOM 61 8 7100 6543	Megavar 1 300 730 499	OBIAT 61 2 9550 3777	OMICRON electronics 61 3 9450 1507	Pacific Test Equipment 61 2 9659 2300
Tap Changers	✓	✓	✓		✓							✓		✓			✓							
Filter Systems		✓	✓		✓							✓					✓							
Fullers Earth					✓																			
Off Circuit	✓						✓					✓		✓			✓							
On Load	✓	✓	✓									✓		✓			✓							
Mobile Oil Filter Carts					✓																			
Oil Testing	✓	✓		✓								✓					✓	✓						
On-Site Refurbishment	✓	✓	✓	✓										✓				✓						
Spare Parts	✓		✓									✓		✓			✓							
Test and Measuring Equipment				✓		✓		✓		✓			✓		✓		✓	✓	✓			✓	✓	✓
DLA	✓			✓		✓				✓			✓					✓	✓		✓	✓	✓	✓
Frequency Response Analyser: FRA	✓			✓														✓		✓	✓	✓	✓	✓
Iron/Copper Loss	✓			✓									✓				✓		✓				✓	✓
Oil Tester	✓			✓		✓							✓				✓	✓	✓				✓	✓
Condition Monitors	✓			✓		✓		✓		✓			✓				✓	✓	✓				✓	✓
Bushing	✓			✓				✓		✓			✓				✓	✓	✓				✓	✓
CT / VT	✓			✓				✓		✓			✓				✓	✓	✓				✓	✓
Gas	✓			✓				✓		✓			✓				✓	✓	✓				✓	✓
Insulators	✓			✓				✓		✓			✓				✓						✓	✓
Current/Voltage	✓			✓									✓										✓	✓
Temperature	✓			✓		✓		✓		✓			✓				✓	✓	✓				✓	✓
Power Factor	✓			✓		✓		✓		✓			✓					✓	✓		✓	✓	✓	✓
Tan Delta	✓			✓		✓		✓		✓			✓					✓	✓		✓	✓	✓	✓
Tap Changers	✓		✓	✓				✓		✓							✓	✓	✓	✓			✓	✓
With IEC 61850	✓		✓																✓				✓	✓
Temperature	✓			✓		✓		✓		✓							✓	✓	✓			✓	✓	✓
Transformer Comparator	✓			✓						✓							✓	✓	✓			✓	✓	✓
Transformer Last Check				✓																			✓	✓
Turns Ratio	✓			✓		✓				✓			✓						✓		✓	✓	✓	✓
Single Phase	✓			✓		✓				✓			✓						✓			✓	✓	✓
Three Phase	✓			✓		✓				✓			✓						✓			✓	✓	✓
Winding Impedance				✓		✓																	✓	✓
Winding Resistance	✓			✓		✓				✓			✓						✓				✓	✓
Winding Temperature Sensors				✓				✓		✓			✓					✓	✓				✓	✓
Transformer Services	✓	✓	✓						✓	✓				✓	✓	✓	✓	✓					✓	✓
Consulting Services				✓				✓		✓								✓					✓	✓
Condition Assessment				✓				✓										✓					✓	✓
Design/Design Review				✓														✓					✓	✓
Fault of Failure Analysis				✓														✓					✓	✓
Diagnostics	✓	✓													✓	✓	✓						✓	✓
Frequency Response Analysis	✓																					✓	✓	✓
Frequency Domain Response	✓																					✓	✓	✓
Dry outs	✓	✓								✓							✓	✓						
Vapour Phase	✓	✓															✓	✓						
HV Laboratory	✓	✓													✓	✓	✓	✓						
Installation	✓	✓		✓						✓					✓	✓	✓	✓	✓					
Refurbishment	✓	✓	✓	✓						✓				✓	✓	✓	✓	✓	✓					
On-site	✓	✓		✓										✓	✓	✓	✓	✓	✓					
Tap Changers On-Site	✓		✓											✓										
Test & Commission	✓	✓		✓						✓					✓	✓	✓	✓				✓	✓	✓
Upgrades	✓	✓								✓					✓	✓	✓	✓						
Vacuum Degasification Equipment				✓																				
Voltage Control Systems								✓													✓			
Voltage Regulators			✓				✓	✓			✓		✓		✓									
LV Stabilisers										✓		✓			✓									
Single Phase Up to 22kV			✓				✓								✓									
Three Phase Up to 33kV			✓				✓								✓									

transformer accessories and services

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SUPPLIERS

	Power Parameters 61 3 9450 1500	Rans Electrical 1 300 56RANS	Siemens 61 3 9721 2000	Sunstate Electrical 61 7 3488 0412	TJH b Analytical Services 61 3 9574 9467	Warsash Scientific 61 2 9319 0122	Wilson Transformer Co 61 3 9560 0411
Tap Changers							✓
Filter Systems							✓
Fullers Earth							✓
Off Circuit							✓
On Load							✓
Mobile Oil Filter Carts							✓
Oil Testing					✓		✓
On-Site Refurbishment							✓
Spare Parts							✓
Test and Measuring Equipment	✓					✓	✓
DLA	✓			✓			✓
Frequency Response Analyser: FRA	✓			✓			✓
Iron/Copper Loss	✓	✓					✓
Oil Tester	✓			✓			✓
Condition Monitors	✓					✓	✓
Bushing	✓			✓			✓
CT / VT	✓						✓
Gas						✓	✓
Insulators	✓						✓
Current/Voltage	✓						✓
Temperature						✓	✓
Power Factor	✓						✓
Tan Delta	✓	✓		✓			✓
Tap Changers	✓				✓	✓	✓
With IEC 61850							✓
Temperature		✓				✓	✓
Transformer Comparator	✓						✓
Transformer Last Check		✓					✓
Turns Ratio	✓	✓					✓
Single Phase	✓	✓		✓			✓
Three Phase	✓	✓		✓			✓
Winding Impedance	✓	✓					✓
Winding Resistance	✓	✓		✓			✓
Winding Temperature Sensors		✓				✓	✓
Transformer Services	✓				✓		✓
Consulting Services							✓
Condition Assessment							✓
Design/Design Review							✓
Fault of Failure Analysis							✓
Diagnostics	✓				✓		✓
Frequency Response Analysis	✓			✓			✓
Frequency Domain Response	✓						✓
Dry outs							✓
Vapour Phase							✓
HV Laboratory							✓
Installation							✓
Refurbishment							✓
On-site							✓
Tap Changers On-Site							✓
Test & Commission		✓		✓			✓
Upgrades		✓					✓
Vacuum Degasification Equipment							✓
Voltage Control Systems							✓
Voltage Regulators			✓				✓
LV Stabilisers							✓
Single Phase Up to 22kV			✓				✓
Three Phase Up to 33kV			✓				✓

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Transformers are important. You need to trust an established company that has been and will be with you for the life of a transformer.

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Web www.warsash.com.au