# outsourcing

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## SUPPLIERS

## PRODUCTS/SERVICES

| PRODUCTS/SERVICES | ABB Australia 61 2 9821 0111 | ADEA Power Consulting 61 2 9231 1301 | Aliweld 61 7 3265 2165 | Ampcontrol 61 2 4961 9000 | AREVA T&D 61 2 9739 3000 | Barnes Electronics 61 2 9894 1049 | Chase Power 61 7 3206 1105 | Consolidated Pwr Projects 61 8 8291 7800 | Cooper Electrical 61 2 8787 2779 | CSE-Uniserve 61 2 8853 4200 | DEHN + SÖHNE 61 3 8414 8277 | DigSILENT Pacific 61 3 9820 2320 | 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 | Extreme Safety 61 7 3282 0911 | HELiPRO 64 (0)274 495 527 | High Voltage Solution 64 2 7419 9952 | HV Diagnostic Services www.hvds.co.nz | Hydro Tas. Consulting 61 3 6245 4500 | Jemena www.jemena.com.au | LazerTech2005 64 3 438 7694 | Martec Asset Solutions 61(0)430 149 665 | Pacific Test Equipment 61 2 9659 2300 | PCE 61 2 4961 3344 | Preformed Line Products 61 2 8805 0000 | Rob Wilks Technology 61 2 4954 5178 | Rocla Concrete Poles 61 3 9549 4540 | Rod Hughes Consulting 61 8 7127 6357 | Schneider Electric 1300 369 233 | Siemens 137 222 | Select Solutios 61 3 9695 6000 | SUPREME Tech & Energy Sols 1800 834 991 | Thew & McCann 61 7 3826 6000 | TJH2b Analytical Services 61 3 9574 9467 | Tyco Electronics-Crompton 1300 656 090 | Warsash Scientific 61 2 9319 0122 | Wilson Transformer Co 61 3 9560 0411 |
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| **Advanced Metering Infrastructure** | | | | | | | | | | | | ✓ | | | | | | | | | | | ✓ | | | | | | ✓ | | | | ✓ | | | | | |
| **Busbars** | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ✓ | | |
| Welded Aluminium | | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | |
| **Calibration & Measurement** | ✓ | | | ✓ | | ✓ | | | | | | | | | | ✓ | | | | | | | | | | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| Instrumentation | ✓ | | | ✓ | | ✓ | | | | | | | | | | ✓ | | | | | | | | | | | ✓ | | | | | | ✓ | ✓ | | ✓ | | |
| **Contract Management** | | | | ✓ | ✓ | | | | | | | | | | ✓ | ✓ | | | | ✓ | | | | | | | | ✓ | | | | ✓ | ✓ | | | | | |
| **Diagnostic Services** | | | | ✓ | ✓ | | | | | | | ✓ | | | | ✓ | | | | ✓ | ✓ | ✓ | | | ✓ | | | | | | | ✓ | ✓ | | ✓ | | ✓ |
| Generators | | | | | | | | | | | | | | | | ✓ | | | | ✓ | | ✓ | | | ✓ | | | | | | | | ✓ | ✓ | | | | |
| Shaft Condition | | | | | | | | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | |
| Magnetic Surveys | | | | | | | | | | | | | | | | | | | | | | ✓ | | | ✓ | | | | | | | | | | | | | |
| High Voltage | | | | ✓ | ✓ | | | | | | | | ✓ | | | ✓ | | | | ✓ | | ✓ | | | | | | | | | | ✓ | | ✓ | ✓ | | ✓ | | ✓ |
| Insulation Performance | | | | ✓ | ✓ | | | | | | | | ✓ | ✓ | | ✓ | | | | ✓ | | ✓ | | | | | | | | | | | ✓ | ✓ | | | | |
| Partial Discharge Testing | | | | | | | | | | | | | ✓ | | | | | | | ✓ | ✓ | ✓ | | | ✓ | | | | | | | ✓ | | ✓ | ✓ | | | |
| Transformer Testing | | | | ✓ | ✓ | | | | | | | | | | | ✓ | | | | | | ✓ | | | ✓ | | | | | | | ✓ | | ✓ | ✓ | | | ✓ |
| **Electrical Supply: Design/Install/Test** | ✓ | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | ✓ | | | ✓ | ✓ | | | | | |
| Distribution | | | | ✓ | ✓ | | ✓ | ✓ | | | | ✓ | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | | ✓ | ✓ | | | | | |
| Generation | | | | ✓ | | | ✓ | ✓ | | | | | | | | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | | | ✓ | | | | | |
| Standards Preparation/Review | ✓ | | | | ✓ | | | | | | | | | | | | | | | | | ✓ | ✓ | | | | ✓ | | | ✓ | | | | | | | | |
| Transmission | ✓ | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | | | ✓ | | | | | |
| Conductor Selection | ✓ | | | | ✓ | | | ✓ | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | | | | | | | | |
| Line Design | | | | | ✓ | | | ✓ | | | | | | | ✓ | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | ✓ | | | | | | | |
| Protection Systems | | | | ✓ | ✓ | | ✓ | ✓ | | ✓ | | ✓ | | | | ✓ | | | | | | ✓ | ✓ | | | | ✓ | | | | | | ✓ | | ✓ | | | |
| **Electro-mechanical** | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | |
| Manufacturing | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | |
| Refurbish | | | ✓ | | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Emergency Response** | | | | ✓ | ✓ | | | | | | | | | | ✓ | | | | | | ✓ | | | | ✓ | | | | | | | | | | | | | |
| **Engineering Consultancy** | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | |
| Asset Management | | | | ✓ | ✓ | | | | | | | | ✓ | | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | | ✓ | ✓ | | | | ✓ | ✓ | | | |
| Dynamic Simulations | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | ✓ | | | | | | | | | | | | | | | | |
| Earthing Design | ✓ | | | ✓ | ✓ | | | ✓ | | | | | | | | | | | | | | ✓ | | | | | ✓ | | | | | | | ✓ | | | | |
| Earthing System Audit | | | | ✓ | ✓ | | | ✓ | | | | | | | | | | | | ✓ | | ✓ | | | | | ✓ | | | | | | | ✓ | | | | |
| Harmonic Analyser | | | | | | | | | | | | ✓ | | | | | | | | | | ✓ | | | | | ✓ | | | | | | | | | | | |
| IEC 61850 | | | | | ✓ | | | | | | | | | | | | | | | | | ✓ | | | | | ✓ | | | | | ✓ | ✓ | ✓ | | | | |
| Insulators | | | | ✓ | ✓ | | ✓ | | | | | | | | | | ✓ | | | | ✓ | | | | | | ✓ | | | | | | ✓ | | ✓ | | | |
| Load Management | | | | ✓ | ✓ | | | | | | | | | | | | | | | | | ✓ | | | | | ✓ | | | | | ✓ | | ✓ | | | | |
| Planning Studies | | | | | ✓ | | | | | | | | | | | | | | | | | ✓ | | | | | ✓ | | | | | | ✓ | ✓ | | | | |
| Pole & Line Inspection | | ✓ | | | | | | | | | | | | | ✓ | ✓ | | | ✓ | | | ✓ | | | | | | | | | | | | ✓ | | | | |
| Power Systems Analysis | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | | | ✓ | | ✓ | | | | | | | | ✓ | | | | | ✓ | | | | ✓ | ✓ | | ✓ | | | | |
| Protection Modelling | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | ✓ | | | | | ✓ | | | | | | ✓ | ✓ | | | | |
| Reliability Studies | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | ✓ | | | | | ✓ | | | | ✓ | | | ✓ | | | | |
| Smart Grid | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | | ✓ | | | | ✓ | ✓ | ✓ | | | | |
| **HV Switchgear Maintenance** | ✓ | | | ✓ | ✓ | | | | | | | | | | | ✓ | | | | | | | | | ✓ | | | | | | | ✓ | ✓ | | ✓ | | | |

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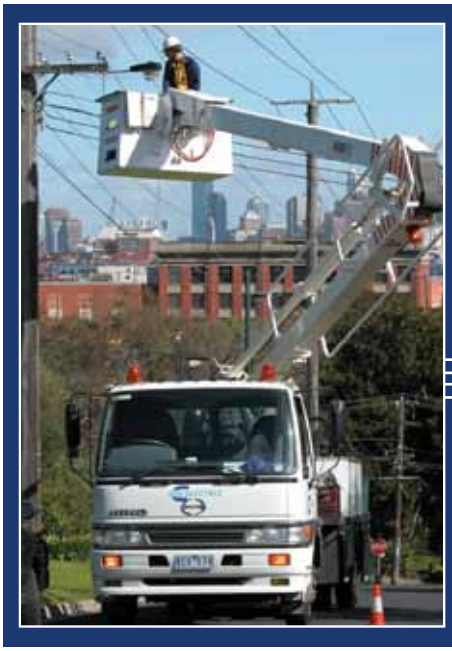
| **Monitoring Services** | ✓ | | | ✓ | ✓ | | | | | | | | ✓ | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| Bushing Insulation | ✓ | | | | | | | | | | | | ✓ | | | ✓ | | | | ✓ | | ✓ | | ✓ | ✓ | | | | | | | | ✓ | ✓ | | | | | ✓ |
| In-Field Work Data Management | ✓ | | | | | | | | | | | | | | | | | | | ✓ | | ✓ | | ✓ | | | | | | | | | ✓ | ✓ | | | | | |
| Instrument Transformers | ✓ | | | | ✓ | | | | | | | | | | | ✓ | | | | | | ✓ | | | | | | | | | | | ✓ | ✓ | | | | | |
| Line Pollution | ✓ | | | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | | | ✓ | | | | | |
| Switchgear | ✓ | | | ✓ | ✓ | | | | | | | | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | | | ✓ | ✓ | ✓ | | ✓ | | | |
| Transformers | ✓ | | | ✓ | ✓ | | | | | | | | ✓ | | ✓ | ✓ | | | | ✓ | | ✓ | | ✓ | ✓ | | | | | | | ✓ | ✓ | ✓ | | ✓ | | | ✓ |
| **Network Services** | ✓ | | | ✓ | ✓ | | | ✓ | | | ✓ | | | | ✓ | ✓ | | ✓ | | | | ✓ | ✓ | ✓ | | | | | | | | | ✓ | | ✓ | | | | |
| Design & Construction | ✓ | | | ✓ | ✓ | | | ✓ | | | ✓ | | | | | ✓ | | | | | | ✓ | ✓ | | | | | | | | | | | | ✓ | | | | |
| Planning | | | | ✓ | ✓ | | | ✓ | | | | ✓ | | | | | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | | |
| Substations | | | | ✓ | ✓ | | | | | | | | | | ✓ | ✓ | | ✓ | | | | | ✓ | ✓ | ✓ | | | | | | | | | | | ✓ | | | | |
| Live Vacuum Cleaning | | | | | | | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | | | | | | | | | | | | |
| **Power Factor Correction** | ✓ | | | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | | ✓ | | | | | | | | | | | | | | | | | | | ✓ | ✓ | | ✓ | | | | |
| **Power Quality Analysis** | ✓ | | | ✓ | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | ✓ | | | | | | | | ✓ | | | | | | | | | | | ✓ | ✓ | | ✓ | | | | |
| **Power Quality Measurement** | | | | ✓ | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | ✓ | | | | | | | | ✓ | | | | | | | | | | | ✓ | ✓ | | ✓ | | | ✓ | |
| **Project Management** | ✓ | | | ✓ | ✓ | | | | | | | | | | ✓ | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | | | | | | | ✓ | ✓ | ✓ | | | | | | |
| Lines | | ✓ | | ✓ | | | | ✓ | | | | | | | ✓ | ✓ | | | ✓ | | | | ✓ | | | | | | | | | | | | | | | | | |
| Substations | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | | | | | | ✓ | ✓ | | | | | | | ✓ | | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | | ✓ | | | | |
| Switchyard | ✓ | ✓ | | ✓ | ✓ | | | ✓ | | | | | | | ✓ | ✓ | | | | | | | ✓ | | ✓ | | | ✓ | | | | ✓ | ✓ | ✓ | | ✓ | | | | |
| **Revenue Metering Services** | | | | | | | | | | | | | | | | ✓ | | | | | | | ✓ | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | | | ✓ | |
| Design & Installation | | | | | | | | ✓ | | | | | | ✓ | | ✓ | | | | | | | ✓ | ✓ | | | | | | | | | | ✓ | | | | | | |
| Field and Laboratory Calibration | | | | | | | | | | | | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | | | ✓ | ✓ | | | | |
| **Smart Grid Systems** | | | | | ✓ | | | | | | | ✓ | | | | | | | | | | | ✓ | | | | | | | ✓ | ✓ | ✓ | | | ✓ | | | ✓ | |
| **Soil Resistivity Measurements** | | | | ✓ | | | | | | | ✓ | | | | ✓ | ✓ | | | | | | | ✓ | | | | | ✓ | | | | | | ✓ | | | | | |
| **Thermographic Services** | | | | ✓ | | | | | | | | | | | ✓ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | | | ✓ | | ✓ | ✓ | | | ✓ | |
| Inspections | | | | ✓ | | | | | | | | | | | ✓ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | | | ✓ | | ✓ | ✓ | | | ✓ | |
| **Transformer Fleet Management** | | | | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ | | | | | | ✓ | | ✓ | | | | | ✓ |

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