

# RELIABILITY PACKAGE

## Data Centres

OIL AND  
GAS

HEALTHCARE  
AND  
COMMERCIAL

POWER AND  
UTILITIES

DATA  
CENTRES

MINING  
AND HEAVY  
INDUSTRY



### High Voltage Industry Solutions

Megavar provides a unique range of Industry Solutions designed for major power users with complex industry-specific needs.

Industry Solutions are made up of three carefully chosen Service Suites. We offer great value to our Industry Solutions clients, with a bundled discount and the ability to add additional Service Suites at the same discounted rate.

Megavar brings you a unique combination of engineering expertise, industry knowledge, and implementation capability. One of the great advantages of choosing Megavar is our comprehensive offering of unbiased electrical testing, maintenance and engineering services including complete acceptance testing, commissioning, maintenance testing and engineering analysis.

From our five service locations, we offer 24/7 service coverage for our clients Australia-wide.

### Data Centre Solution

We understand that seconds of network downtime can mean millions in lost revenue.

Our expert engineers and technicians have the experience, capabilities and resources to assist data centre facility operators understand these maintenance complexities and how to achieve "high nine" levels of availability from high voltage electrical equipment.

We can assist you with planning to make sure the power system operates efficiently in your mission critical facility.

Our experts can customise solutions to support your operational goals. Our solutions for data centres will:

- Increase system availability and efficiency
- Reduce overall costs
- Monitor asset reliability
- Ensure 24/7/365 power to critical systems
- Optimise distribution systems
- Upgrade and extend the life of aging assets.



## Recommended Service Suites

<h3>HV Compliance</h3>	<p>Meet your responsibilities to ensure your HV equipment is compliant with Australian Standards, with good documentation and systems.</p>	<ul style="list-style-type: none"> <li>• HV Switching</li> <li>• Operations and Maintenance Manuals</li> <li>• Compliance Audits</li> <li>• Earth Compliance Testing</li> </ul>
<h3>Preventative Maintenance</h3>	<p>Reduce maintenance costs and improve serviceability with scheduled inspections and testing, prompt repairs, and quick access to spares.</p>	<ul style="list-style-type: none"> <li>• Protection Relays</li> <li>• Circuit Breakers and Switchgear</li> <li>• Online Partial Discharge Surveys</li> <li>• Battery Systems</li> <li>• Optional Support Service</li> </ul>
<h3>Emergency HV Response</h3>	<p>Unexpected outages pose serious financial and safety risks and production losses. Get up and running quickly with trouble shooting, damage assessment and repairs, 24/7.</p>	<ul style="list-style-type: none"> <li>• HV Switching</li> <li>• Commissioning and Startup</li> <li>• Repair</li> <li>• Installation</li> <li>• Audits and Inspections</li> </ul>

## Options you might prefer

<h3>Commissioning and Startup</h3>	<p>Verify proper installation and ensure trouble free energisation. Avoid costly errors, delays, outages, damage, re-work and excessive operating costs. Baseline your operating data.</p>	<ul style="list-style-type: none"> <li>• Client's engineer</li> <li>• Inspection and Test Plans</li> <li>• Protection and Control Commissioning</li> <li>• Plant Commissioning</li> <li>• SCADA Commissioning</li> </ul>
<h3>Optimisation Assessment</h3>	<p>Uncover profit by finding the root cause of lost performance and points of failure. Verify protection and fault ratings. Analyse risk and reliability and make informed decisions on capital investments.</p>	<ul style="list-style-type: none"> <li>• Short Circuit Coordination Studies</li> <li>• Reliability, Protection Setting and Grounding Studies</li> <li>• Power Tariff and Quality Assessments</li> <li>• Harmonic, Load Flow and Power Factor Analysis</li> </ul>
<h3>Condition Monitoring</h3>	<p>Predict and avoid failure, plan outages, repairs and replacements. Extend equipment performance, reliability and life expectancy.</p>	<ul style="list-style-type: none"> <li>• Thermography</li> <li>• Oil Analysis</li> <li>• Online/Offline PD Detection</li> <li>• Tan Delta</li> <li>• SF6 Leak Detection</li> <li>• SFRA/Dirana Transformer tests</li> <li>• ELCID/RSO generator tests</li> </ul>