



INTEGRATED MAINTENANCE SERVICES

ELECTRICAL &
COMMUNICATIONS
ENGINEERING

O'DONNELLGRIFFIN
EXPERTISE • COMMITMENT • RESULTS

Specialist Integrated Maintenance Services include:

- Thermographic surveys
- Ultrasonic measurement
- Partial Discharge / Transient Earth Volt detection
- Power quality analysis
- In – situ field diagnosis

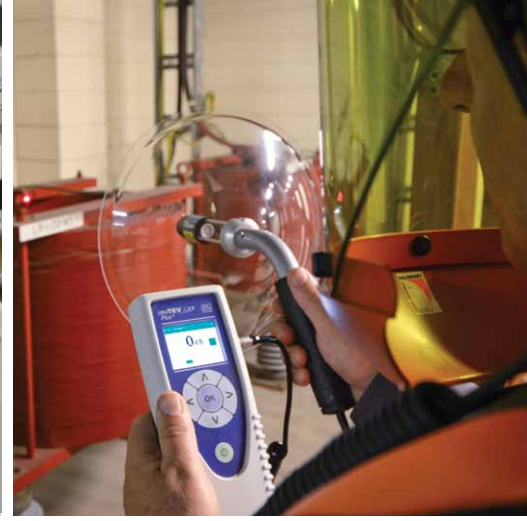
Condition monitoring services for high and low voltage switchgear and transformers.

Whether for an industrial plant or commercial facility, predictability and reliability of your electrical infrastructure is critical to avoid the potentially catastrophic effects of equipment failure and unplanned power outages.

O'Donnell Griffin's Integrated Maintenance Services combine condition monitoring technologies with diagnostic testing to analyse and trend high and low voltage assets. These tools are used to predict and identify potential faults and risks before failures occur.

To meet your facility's plant requirements, maintenance routines, and procedures, O'Donnell Griffin will develop a flexible Integrated Maintenance Service schedule for your critical assets and provide you with detailed reports outlining the solutions to potential faults and issues.

VISIT US AT: odg.com.au
CALL: 1300 100 ODG (1300 100 634)



Knowledge and expertise

O'Donnell Griffin's service division operates 24 hours a day, seven days a week. Maintenance programmes cover the client's critical assets and can be tailored to meet their needs.

When you engage O'Donnell Griffin to service and maintain your systems we undertake site surveys to ensure that we are familiar with your specific plant and business operations. This solution based approach ensures that the most effective service solution is achieved to meet your specific business requirements. To maintain continuity we have the same technicians attend to our scheduled maintenance services for clients wherever possible. Each O'Donnell Griffin service business contains an extensive range of trained, qualified and certified technicians, including specialists in electronics, diesel & gas generation, high voltage testing and commissioning, switchboards and industrial controls.

Case Study

Whist undertaking an Integrated Maintenance Services condition monitoring survey at a Victorian University, O'Donnell Griffin found significant ultrasonic activity within a cable connection to a 22kV ring main unit that did not represent itself with a heat signature.

O'Donnell Griffin was able to advise the customer of a developing electrical fault, with potentially catastrophic consequences, before it became an issue. We repaired the fault during an organised shutdown at minimal cost, and with minimal disruption to their operations. O'Donnell Griffin's in-situ diagnosis of this developing fault ensured minimisation of turnaround time between finding this anomaly, communicating the solution to the customer, and rectifying the problem. This case study highlights the need to utilise further condition monitoring techniques and technologies to compliment thermography, thus providing a more comprehensive picture of the online operating condition of electrical assets.

INTEGRATED MAINTENANCE SERVICES

Condition monitoring and power analysis to provide you with the assurance that the lifecycle of your assets is being managed in the best possible way

Technical Services

- Thermographic surveys
- Ultrasonic measurement
- Partial Discharge / Transient Earth Volt detection
- Power quality analysis of anomalies, including:
 - Harmonic spectrum analysis
 - Load balance
 - Power factor
 - Volt drop across component
- Oil testing, including dissolved gas analysis
- Comprehensive visual inspection
- In - situ field diagnosis of issues

Custom Reports

- Separate page for each fault, including thermographic digital photos, results of diagnostic tests, diagnosis of problem, and proposed solutions.
- Priority allocation to each fault, based upon severity
- Identification of any issues found through visual inspection that do not comply with Australian Standards
- Integration of reporting with other maintenance services, such as oil testing or shutdown maintenance
- Overall summary of the condition monitoring and diagnostic tests of the assets

Proposed Solutions

- Personal submission of the report directly to customer by a technical expert to discuss issues and solutions identified
- Submission of quotations to repair faults
- Provision of future maintenance recommendations

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