

## PROJECT PROFILE

*Name:* **KURNELL 275kV TRANSMISSION LINE ASSESSMENT**

*Owner:* Energy Australia

*Client:* Energy Australia

*Project Description:* Corrosion assessment of seventy seven transmission towers

*Site Location:* Sydney, New South Wales

*Year Completed:* September 2005



O'Donnell Griffin was commissioned by Energy Australia to complete a corrosion assessment of the South Sydney to Kurnell 275kV transmission line and to identify structure members and bolts which posed a threat to structure security.

ODG provided engineering, drafting, and field personnel to execute this task.

A team of inspectors climbed each structure and recorded defects. Safe work was a priority for this process. Apart from working at heights, the team worked adjacent to live circuits, so that supply could be maintained to a major customer.



Our drafters prepared tower outline drawings and detailed drawings of the structural members that needed replacement.

O'Donnell Griffin assisted in the development of work methods for the replacement or repair of faulty members and bolts.



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*Key Project  
Personnel:*

Peter Sampson – Project Manager  
Graham Brown – Senior Transmission Engineer  
Frank Salandra – Transmission Engineer  
George Mihart – Field Manager  
Ron Edwards – Field Manager

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*Special Project  
Achievements*

O'Donnell Griffin provided our client with a unique package of condition assessment and engineering solutions. The project was especially challenging because of the number of structures, the variation of structure types, and environmental issues.

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*Quality Standards  
Applicable*

AS/NZ 9001:2000

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*Specific OH & S  
Requirements*

Fall Restraint and access to structures with live structures.

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