



Curriculum Vitae: Dr. John Walcott

Distinguished Electrical Engineer and Doctor of Science with three decades of leadership in renewable energy systems, high-voltage distribution, and project management excellence.

Personal Information

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Date of Birth

23 December 1967

Personal Profile



Dr. John Walcott stands as a distinguished Doctor of Science and Electrical Engineer with over 30 years of transformative experience in electrical distribution, renewable energy systems, and high-voltage projects. His expertise spans the critical intersection of theoretical knowledge and practical application.

As a certified trainer and assessor, Dr. Walcott has demonstrated exceptional success in designing, implementing, and managing complex electrical and solar projects across Australia. His unique combination of deep theoretical understanding with extensive hands-on trade expertise positions him as an ideal candidate for training and development roles focused on educating the next generation of engineers and technicians in this rapidly evolving field.

Key Skills



Technical Expertise

Comprehensive mastery of High & Low Voltage Electrical Systems, Solar PV & Battery Energy Storage Systems (BESS), and Electrical Distribution Networks. Deep understanding of grid integration and renewable energy technologies.



Training & Assessment

Certified Trainer and Assessor (TAE), WorkCover Assessor, and holder of Graduate Certificate in Human Resources. Combines technical expertise with proven educational and assessment capabilities.



Project Management

Proven expertise in managing large-scale electrical projects while maintaining strict adherence to AS/NZS standards including 3000, 3008, 4777, and 5033. Excellence in coordinating complex multi-stakeholder initiatives.



Industry Authorisations

NSW Level 2 Accredited Service Provider, NSW Level 1 HV Accreditation & Jointing. Fully accredited across Ausgrid, Endeavour Energy, and Essential Energy networks (Categories A-D).

Professional Experience

Senior Electrical Engineer & Project Manager

Freelance/Contract | 1990s – Present

Led transformative projects including the Eraring 700MW Battery Farm (2024) and Maitland Solar Farm management. Managed the iconic Sydney Opera House electrical distribution upgrade (2019), demonstrating expertise in heritage building electrical systems.

Directed Harvey Norman's comprehensive national solar rollout across 2000+ properties since 2008, establishing industry best practices for large-scale commercial solar deployment.

Oversaw complex power distribution design and construction projects for major industrial sites including Infrabuild Mayfield, with additional projects in Tamworth and Scone.

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Cadetship Program

New South Wales Government | 1984 - 1992

Completed comprehensive electrical engineering cadetship combining intensive practical trade experience with formal undergraduate studies. This foundational experience established the unique blend of theoretical knowledge and hands-on expertise that defines Dr. Walcott's professional approach.

Education & Qualifications



Doctor of Science (D.Sc.)

Bridgewater University, 2002



Graduate Certificate in Human Resources

SWIT, 2001



Certificate IV in Training and Assessment (TAE)

SWIT, 2001



Bachelor of Engineering (Electrical)

University of Technology Sydney (UTS), 1992



Electrical Trade Qualification

Western Sydney Institute of TAFE (WSIT), 1992



High School Certificate

JP2 Senior High School, 1983

Licences & Certifications



NSW Level 2 Service Provider

Authorised Service Provider for Contestable Works (2004). NSW Level 1 Accreditation for High Voltage Distribution & Jointing operations.



Safety Certifications

Certified WorkCover Assessor. Remove Asbestos Supervisor Licence and Remove Asbestos Licence for comprehensive site safety management.



Technology Certifications

Certified Installer/Designer for BYD, LG Chem, Alpha ESS, Sungrow, and Tesla Powerwall systems. SAA Solar Accreditation and Battery Accreditation specialist.



Network Accreditations

Service Locating (Dial Before You Dig). Full accreditation across Ausgrid, Endeavour Energy, and Essential Energy networks for Categories A, B, C, and D operations.

Key Projects



Eraring 700MW Battery Farm (2024)

Senior Project Role in Australia's largest grid-scale battery storage facility, revolutionizing renewable energy integration and grid stability.



Housing Project: 300+ Solar Installations (2023)

Project Lead for comprehensive residential solar deployment, establishing new standards for residential renewable energy integration.



Sydney Opera House Electrical Upgrade (2019)

Project Manager for the electrical distribution upgrade of Australia's most iconic cultural landmark, balancing heritage preservation with modern electrical requirements.



Harvey Norman National Solar Rollout (2014)

National Project Manager overseeing solar installations across 2000+ properties, establishing industry benchmarks for large-scale commercial solar deployment.

Professional Standards Proficiency

AS/NZS 4777.2:2020

Grid Connection of Energy Systems via Inverters - ensuring seamless renewable energy integration with existing electrical infrastructure.

AS/NZS 5033:2021

Installation and Safety Requirements for PV Arrays - comprehensive expertise in photovoltaic system design and implementation standards.

AS/NZS 3000:2018

Australian/New Zealand Wiring Rules - mastery of fundamental electrical installation requirements and safety protocols.

AS/NZS 3008.1.1:2017

Cable Selection standards ensuring optimal electrical distribution system design and implementation across all project scales.

AS 1418.1-2002 & AS 2550.1-2011

Cranes, Hoists and Winches standards for both equipment specifications and safe operational use in major construction projects.

References



Professional References

Comprehensive professional references are available upon request, including testimonials from major project stakeholders, industry partners, and educational institutions.

References span Dr. Walcott's diverse experience across renewable energy projects, infrastructure development, training and assessment roles, and technical consulting engagements.

Contact Dr. Walcott directly to request detailed professional references and project portfolios.