



Substation Design

CONTINUING PROFESSIONAL DEVELOPMENT COURSE:

7-8 MARCH 2023 | FACE TO FACE DELIVERY

COURSE OBJECTIVES

Substations are a critical component of the electricity supply network whether it be to connect generators to transmission systems or deliver electricity to end users. This course provides an overview of the substation design process and includes description of the key components of substation design. The course is suitable for all individuals working in the electrical power engineering industry. On completion of the course participants will have gained the following:

- The role and importance of substations in electricity supply systems
- An understanding of the key components of substations
- Knowledge related to substation layout and switching arrangements
- Appreciation of substation secondary systems
- An understanding on maintenance requirements for substation equipment



UNIVERSITY
OF WOLLONGONG
AUSTRALIA



CONTINUING PROFESSIONAL DEVELOPMENT COURSE: SUBSTATION DESIGN

COURSE BENEFITS

This course is designed to assist organisations in the training of new and existing staff in the fundamentals of substation design. The course is designed to cover a wide range of substation design principles and techniques, with a particular emphasis on the substation as a total system. Further, the changing role of substations in the broader electricity supply grid is discussed, including environmental considerations, grid configuration, reliability scenarios and failure modes.

WHO SHOULD ATTEND?

This course is useful for individuals who are commencing a career in substation design as well as those looking for a refresher on the fundamentals of substation design. Anyone who is seeking a greater understanding of substations in terms of why substations are configured and how they operate will find course content with which they can engage. Individuals who are looking to expand their knowledge of substation design and operation for applications across traditional energy transmission and distribution, mining, manufacturing, renewables and energy generation will be presented with up-to-date knowledge and understanding of substation design principle, details and approaches.

TRAINING INVESTMENT

The course investment provides for an inclusive industry related training package including course notes. The course fee is **AUD\$1770 including GST** per person.

Participants may count course hours towards their continuing professional development requirements.

ABOUT THE SPEAKER



Mr Ty Christopher is the Managing Director of Ty Christopher and Associates, and an Honorary Professorial Fellow at the University of Wollongong. Ty has extensive experience working in the Electricity Supply Industry in New South Wales. His career within the industry has included responsibility for substation and mains design, project management, system operations, network planning, asset strategy and most recently program delivery.

REGISTRATION

To register please click on the link below:

[Substation Design](#)

Note: There is no guarantee that economic participation levels for this course can be achieved. Registrants will be notified 2 weeks prior to course if the course cannot proceed due to insufficient numbers. The program may be changed at any time due to unforeseen circumstances. If the course cannot proceed for any reason, UOW will not accept liability of whatsoever kind for expenses incurred by any person or corporation with the sole exception of the course investment, which will be refunded in full.

ENQUIRES

Registration enquiries:

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