GRID INTEGRATION AND GPS STUDIES OF RENEWABLES IN PSCAD

Join us in February 2024 for our most popular short course in the Grid Integration of Renewables series to learn about inverter-based resources and grid connection studies of renewables in NEM. Register today to enhance your career prospects in a field that contributes to the future of energy.

ABOUT THIS COURSE

Delivered in partnership with Vysus Group, this course combines several timely topics in power engineering and the grid integration of renewable energy resources.

The course focuses on modelling and control of power electronic converters, and PSCAD-based studies concerning Generator Performance Standards (GPS) found in National Electricity Rules (NER) clauses.

You'll learn to build and model the components for a grid-connected voltage source converter (VSC) in PSCAD, and then progress into investigating the PSCAD-based NER Clauses found within the AEMO Connection Application Checklist.

YOU WILL LEARN

- Modelling and control of grid-connected VSCs
- Fundamentals of grid-following (GFLI) and grid-forming (GFMI) inverters
- Various control techniques and PSCAD applications of GFLI and GFMI plants
- The PSCAD-based NER Clauses within a generator connection application
- Investigation and assessment of GPS tests in PSCAD
- Foundational knowledge required for a grid connection engineer

DETAILS

Date: 05 – 09 February 2024
Delivery: On-campus at Clayton, or Online
Cost: $4,800 On-campus
$3,900 Online
Early Bird Discount (until Dec. 20th)
Special Rates for Monash Alumni/Students
Exclusive Extra Discount for GIH Members

INDUSTRY INSIGHTS

We're up to date with the latest in the industry. This short course will feature presentations by established grid connection consultants.

In addition, the course features a line-up of industry guest speakers, from market operators and consultants, to original equipment manufacturers.

FOR ENQUIRIES OR DISCOUNT, PLEASE CONTACT:

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