

GRID INTEGRATION & GPS STUDIES OF RENEWABLES IN PSCAD

Join us on **February 2026** 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 hands-on course explores the latest practices in grid integration of renewables, with a focus on inverter control and PSCAD studies aligned with Generator Performance Standards (GPS) in the National Electricity Rules (NER).

You will gain practical skills in modelling grid-connected inverters and their control, and learn how to assess compliance with AEMO's Connection Application Checklist.

Designed for engineers, consultants, and researchers, the course bridges theory and real-world application to help you navigate the challenges of modern renewable grid connections.

Industry Insights

This short course features presentations by experienced grid connection power system consultants, grid operators, and industry guest speakers.

You Will Learn

- Practical understanding of grid-tied inverter modelling and control
- Core differences and applications of grid-following (GFLI) vs grid-forming (GFMI) inverters
- Application of advanced control techniques (droop control, VSG, etc.) in real-world scenarios
- How to perform PSCAD studies to meet NER GPS requirements in generator connections
- Methods to evaluate GPS compliance tests using PSCAD
- The foundational skillset required for grid connection engineers, including how to interface with regulatory processes, consultants, and market operators

Details

Course Date:
16–20 February 2026

Delivery:
In-person (held on CBD) or Online

Cost exc. GST:
\$4,750 In-person / \$4,275 Online

Optional PSCAD Workshop:
15 February, 1:00–5:00 pm
For participants with no or limited PSCAD knowledge

Discounts

Early Bird Discount: Enjoy 15% discount until December 31, 2025. No discount code is required.

Online Course: Use the discount code *PSCADOnline* to access the online price.

Monash Uni. Alumni/Students: Receive 30% discount after early bird deadline using the codes *MONASH30* (in-person) and *Online+30* (online).

[REGISTER HERE](#)

