

Eleftherios Asiminaris

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EDUCATION

University of Technology Sydney Sydney, NSW

Bachelor's Degree (Hons) in Electrical Engineering and Diploma in Professional Engineering

WORK EXPERIENCE

Siemens Energy

Junior Intern

Dec 2019 – Apr 2020

- Created HMI's (Human Machine Interfaces) for GTs using Siemens SPPA-3000 automation and control software. This includes valve control states, pressure monitoring, flow rates and more.
- Worked in FAT (Factory Acceptance Testing) for DCS (distributed control system) upgrades by physical assembly of OT (Operational Technology) using network topology diagrams and design schematics. Conducted various control system and module testing (analog and digital I/O, serial communication conversion RS232/RS485). Packed and shipped projects interstate using Siemens warehousing.
- Administrated and managed on an intern level several small to medium scale projects such as Robertstown syncon installation and the Tamworth-Dumaresq SVC installations. Gained invaluable experience on project kick offs, legal and commercial contracting, file management and stakeholder communication.

Transgrid

Senior Intern – Infrastructure Delivery – Substations

Apr 2023 – Dec 2023

- Completed over a dozen project close outs of various sizes (\$1 million to \$60 million)
- Completed project expenditure breakdowns, asset acceptance checklists, asset capitalisations, CBCMM (circuit breaker condition monitoring manual) sheets, procurement event timeframes and project plans.
- Gained sound knowledge in Transgrid Grid Standards (OM901, OM902), PSSR and operating symbols in SLDs.
- Assisted several site managers during various projects by conducting work pre-starts, overviewing SWMs, JSAs and general site work.

Graduate – Major Projects Origination (Rotation 1)

Jan 2024 – Jun 2024

- Routing guidelines and landholder engagement tasks
- Legal and commercial contracting tasks and contract management
- Tender, pricing and bid proposals

Graduate – Strategic Network Development (Rotation 2) Jul 2024 – Dec 2024

- Completed the Sydney Ring South major project NOSA (Needs and Options Screening Assessment)
- Sydney Ring South, QNI Connect, VNI West project management and project engineering.
- Used AEMO, TG and meteorological database to create new line ratings using different line rating methodologies (ESKOM, deterministic, probabilistic)
- Developed transmission maps on MS Visio.

Graduate – AEMO (Secondment) – Grid Connections (Rotation 3) Jan 2025 – Jul 2025

- Generator modelling, connections due diligence and negotiations process.
- GPS compliance assessments and understanding of relevant references and appendices.
- Conducted SMIB and NEM-wide grid connections studies on solar farms, BESS and hybrid.
- Grid connection studies experience on different OEM such as Tesla (Megapacks), Ingeteam and SMA.

Commissioning Engineer – Transgrid – Network Connections Jul 2025 – Present

- Assess new and existing generators connected to the grid to ensure they are compliant with the current Electricity Rules (NER Chapter 5).
- Involved in the R2 commissioning witnessing process, HP testing (HP0-HP3), R2 test plan reviews, R2 model validation assessment and aux load package reviews.
- FMGA (Fault Mode Gap Analysis) requirements for projects and Communication Design Report reviews
- Experience in implementation and assessment of Transgrid Commissioning Guidelines, AEMO Power System Modelling Guidelines and NER Chapter 5.
- Used PQSecure, iQ+ and PQonline to gather data from SCADA - DR (Disturbance Recorders) and PQM (Power Quality Monitor) to conduct real fault and harmonic analysis

SKILLS AND KNOWLEDGE

MS suite, Google suite, PowerWorld, PSSE, PSCAD, Siemens SPPA-3000, Eagle (CAD), power systems engineering (voltage control, voltage stability, frequency control, oscillations), protection and control systems, power electronics (grid-following and grid-forming inverters), energy storage technology

OTHER

Native Language: English

Fluency in Greek