



Glen Conway BCHEMENG(HONS)

Principal Engineer – Renewable Energy



Location

Wollongong, NSW, Australia

Experience

20 years

Qualifications/Accreditations

- Bachelor of Engineering (Chemical) Honours 1st Class, UNSW

Key technical skills

- Solar PV
- BESS
- Hybrid (renewable plus energy storage)
- Bioenergy
- Biofuels

Memberships

- Clean Energy Council (distributed generation and hydrogen directorates)
- Bioenergy Australia Heat and Power Committee
- GHD Future Energy development team (hydrogen and energy storage)

Relevant experience summary

Glen has over 20 years of experience in professional engineering environments has developed broad engineering skills with specific interest in sustainability and renewable energy generation. Glen has obtained diverse experience across numerous industries including electricity generation, minerals processing, oil and gas, wastewater and research organisations. Through numerous projects, Glen has been involved from concept through to execution of on-grid utility scale and off-grid energy technologies including solar, hybrid, bioenergy, storage, wind, gas and diesel.

Project experience – Solar

Neon Large Scale Solar

Role: Principal's Representative/Owners Engineer

Client: Neoen

Location: NSW

Date(s): 2016 - Present

Neoen Large Scale Solar (2016 –present)
Technical assistance including delivering full suit of EPC contract technical schedules and negotiation with EPC contractor for 4 sites ranging 10-60 MW in NSW. Subsequent work includes Principal Representative role, technical advisor and Independent Certifier for EPC Contract.

AGL

Role: Technical Advice

Client: AGL

Location: NSW, Australia

Date(s): 2017 - 2019

Development of EPC and O&M Technical Schedules, tender selection, technical advice and development application advice for proposed 250 MW solar farm in SA and 300 MW solar farm in NSW

EGP Solar Assets

Role: Technical Lead – Due Diligence

Client: Confidential

Location: NSW and QLD

Date(s): Dec 20 – Mar 21

Lead for Technical Due Diligence into 3 large scale solar assets (total 220 MW) across 3 sites in QLD and NSW. Assessment of yield estimates, review of construction and defects, assess OPEX and maintenance requirements.

Defence Renewable Energy and Energy Security Program

Role: Technical Lead

Client: Defence (DERMS)

Location: National

Date(s): 2018 – Current

Embedded within Defence team to investigate options to roll-out renewable energy across defence estate. Incorporates Project development, Program development, technical advice and peer review across multiple program and projects streams at various stages of development and implementation.

Muuga Lane Solar Farm

Role: Owners Engineer

Client: Maoneng

Location: ACT

Date(s): 2019

13 MW fixed and tracking systems. GHD provided Owners Engineering services. Glen was technical lead during project completion including performance evaluation, contract finalisation, punch listing and defect rectification.

Wirsol PV Assets

Role: Technical Advisor – due diligence

Client: Confidential

Location: QLD and VIC

Date(s): 2019

Due diligence assessment of portfolio of 5 constructed utility scale solar farms (VIC and QLD) and 4 development sites. As technical lead I lead site investigation, yield assessments, CAPEX and OPEX evaluations and development condition reviews.

Greenough River Solar Farm

Role: Owners Engineer Team – Technical Lead

Client: BEI

Location: Geraldton, WA

Date(s): 2018-2020

Owners Engineer team for the 30 MW expansion of the existing 10 MW site. This was first utility scale solar farm in Australia and the role included technical review of design, safety workshops and construction with 2 separate PV EPC providers.

Playford Utility Battery

Role: Technical Lead - Due Diligence

Client: ARENA

Location: SA

Date(s): 2020-2021

Due Diligence on 100 MW/100MWh battery energy storage system with grid forming capability. Project investigate grid forming capability and opportunities such as voltage regulation and black start capability.

AEMO Victorian SIPS

Role: Technical Lead

Client: AEMO

Location: VIC

Date(s): 2020

250 MW/125 MWh BESS to support interconnector operations. Development of tender documentation including technical specification, testing regime, liquidated. Assisted in development of commercial and technical evaluation criteria for procurement.

AGL BESS

Role: Technical Lead

Client: AGL

Location: SA

Date(s): 2017

Development of EPC and O&M Technical Schedules for proposed 100 MW/100 MWh battery storage system integrated into existing facility. Role included technical and project development advice as well as creation of technical documentation.

Engie BESS

Role: Technical Lead

Client: Engie

Location: SA

Date(s): 2017

Technical Advice, development of Tender documentation, tender assessment, and project advice for proposed 100 MW/100 MWh battery storage system integrated into existing facility.

DKIS BESS

Role: Owners Engineer

Client: TGEN

Location: NT

Project value: \$40 million

Date(s): 2020 - current

Owners Engineer to develop concept, sizing, technical specification, maintenance agreements, procurement evaluation, design review and technical advice for delivery of 35 MW BESS to provide spinning reserve to support grid.

Career history

2017 - present	GHD, Principal then Senior Technical Director Renewable Energy
2014 - 2017	AECOM, Principal Consultant Renewable Energy
2007 - 2014	Synergy/Verve Energy, Senior Project Engineer Renewable Energy
2004-2005	Bluescope Steel, Process Engineer
2000 - 2004	ANSTO, Senior Professional Officer, Chemical and Waste Engineering
