DESIGN LEAD – AMPYR AUSTRALIA

Position Description

Position	Design Lead – Distributed BESS	**Reporting Manager**	Head of Engineering – AMPYR Australia
Location	Sydney, Australia	**Reports**	No direct reports

Our Company

AGP Sustainable Real Assets (**AGP**) is a global asset management group, investing in, developing and operating sustainable infrastructure.

AGP focuses on deploying capital into platforms, businesses and assets focused around three investment themes:

- Renewable Energy,
- Sustainable Communities & Infrastructure, and
- Natural Capital.

Each AGP platform, business and asset is to be measured and monitored against the positive contribution they make to the United Nations Sustainable Development Goals (UNSDGs) and how they contribute to a net zero GHG emissions future.

Among its various investment platforms, AGP has established AMPYR Energy (**AMPYR**) which develops, owns and operates renewable energy assets around the world.

AMPYR Australia:

- Is constructing the 300MW/600MWh Bulabul 1 BESS project along with a rapidly growing pipeline of more than 2500MW of utility energy storage projects.
- Owns a 23MW portfolio of C&I solar assets across 130+ sites and is developing a 300MW portfolio of distributed BESS assets (**AMPYR Distributed Energy** or **ADE**), comprising 60 x 5MW battery sites with all sites planned for deployment by mid-2028.

AGP is committed to conducting its business consistent with its values and expects team members to be aligned with these values: Integrity, Sustainability, Profitability, Collaboration and Growth.

AGP's head office is in Singapore with operations in Australia, UK, Europe, US and India; a rapidly expanding organisation with over 600 employees.

Purpose

The Design Lead – Distributed BESS is the lead engineering role for the AMPYR Distributed Energy (ADE) portfolio of 60 x 5MW distributed battery energy storage sites. Reporting to the Head of Engineering, the role owns the technical outcome of each site from development through delivery and handover: leading design and providing all technical support during development; holding full design review and design management accountability during delivery, where detailed design is undertaken by the Balance of Plant (BOP) contractor; and carrying the same accountability through to a complete, compliant technical handover to the Asset Management team.

The role is the single point of technical continuity for each ADE site, ensuring that the design intent, technical assumptions and connection requirements established in development are carried through BOP design and construction and into operations. It protects performance, grid-

compliance and HSSE outcomes as sites move between phases and teams, and drives a standardised, repeatable design and delivery model to support deployment of the full ADE portfolio by mid-2028.

Key Responsibilities

Development Phase – Design and Technical Support

- Lead the engineering design of distributed BESS sites during development, including site feasibility, technology and equipment selection, site layouts, single-line diagrams, and civil, electrical and connection scope.
- Provide all technical support to the development team, including site screening and selection, planning and approvals inputs, and technical responses to authorities, Distribution Network Service Providers (DNSPs) and other stakeholders.
- Lead grid-connection engineering, including connection enquiries and applications, data provision to the DNSP and AEMO, coordination of power-system and protection studies, and technical review of connection offers and requirements.
- Develop and own the design basis, technical specifications, scopes of work and tender documentation for BOP and equipment-supply packages (including BESS, PCS and transformers), and lead the technical evaluation of bids.
- Provide technical scope, quantities, cost and risk inputs to investment cases and DevEx and CapEx budgets, and support technical due diligence on new sites and acquisitions.
- Ensure each site reaches Notice to Proceed with a complete, traceable design basis and technical-assumptions register that carries into delivery.

Delivery Phase – Design Review and Design Management

- Hold full accountability for the review and acceptance of BOP contractor design, ensuring detailed design, calculations and drawings comply with the AMPYR design basis, technical specification, connection agreement, NER, AEMO requirements and applicable Australian Standards.
- Manage the design process end-to-end, including design programme and deliverables tracking, design review gates, comment resolution, technical queries (RFIs), deviations and design change control.
- Manage technical interfaces between the BOP contractor, BESS and equipment suppliers, the DNSP and the AMPYR delivery team, ensuring integration of the BESS, PCS, power plant controller, protection, SCADA and communications systems.
- Review and approve inspection and test plans (ITPs), method statements and factory and site acceptance test (FAT/SAT) procedures, and witness key inspections and tests.
- Provide technical oversight of commissioning and energisation, including switching and isolation planning, DNSP witness testing, clearance of connection hold points, and verification of performance guarantees against contracted and connection requirements.
- Own the technical risk, defect and non-conformance registers, and drive close-out with the BOP contractor and suppliers ahead of practical completion.
- Capture lessons learned from each site and feed them into standard designs to improve the repeatability of the ADE rollout.

Handover to Asset Management

- Hold accountability for a complete and compliant technical handover of each site to the Asset Management team, defining handover requirements early and tracking handover readiness throughout delivery.
- Review and accept as-built drawings, O&M manuals, test and commissioning records, protection settings and compliance documentation from the BOP contractor and suppliers.
- Establish warranty, defect and spares registers and baseline performance data (capacity, round-trip efficiency and availability) for each site.
- Confirm that connection-agreement, metering, registration and market compliance obligations are documented and transferred to Asset Management.
- Provide technical support to Asset Management through the defects-liability period, including resolution of outstanding defects, performance shortfalls and warranty claims, and feed operational lessons back into ADE design standards.

Engineering Standards, Grid and HSSE (Cross-Phase)

- Develop and maintain standardised ADE design basis documents, reference designs, and specification and ITP templates for repeatable application across the portfolio.
- Act as the single technical point of contact for each site across development, delivery and handover, managing interfaces between the development, delivery, grid, asset management and commercial teams.
- Champion HSSE across design and site activities, including safety-in-design, electrical and BESS fire safety, and switching and isolation discipline.
- Ensure engineering compliance with NER, AEMO, DNSP and connection-agreement requirements throughout the site lifecycle.

Reporting, Governance and Continuous Improvement

- Provide accurate and timely technical reporting on design, design review, construction, commissioning, defect and handover status to the Head of Engineering and project governance forums.
- Capture lessons learned and contribute to AMPYR's engineering procedures, technical standards and repeatable delivery model.
- Use data, automation and digital tools to improve engineering efficiency, design standardisation and reporting across the portfolio.

Qualifications and Experience

Essential

- Bachelor's degree (or higher) in electrical, power systems or a closely related engineering discipline.
- 7–10 years of experience in design, project or owner's engineering on electrical infrastructure — BESS, solar, substations or distribution-connected generation — including high-voltage (HV) works.

- Demonstrated experience leading design during development and managing contractor (BOP or D&C) design through delivery and handover.
- Working knowledge of DNSP connection processes for embedded generation and storage under the NER, and of AEMO registration and compliance requirements.
- Experience in design management and review of contractor design, specifications, ITPs and test documentation, and in managing defects and technical close-out with BOP contractors.
- Sound understanding of BESS systems, including power conversion systems, power plant controllers, SCADA, controls and software integration.
- Strong commitment to electrical safety and HSSE, with relevant safety and switching competencies.
- Willingness to travel to and spend periods on site at distributed BESS sites across NEM states.

Desirable

- CPEng and/or National Engineering Register (NER) registration, and a state-based electrical licence or HV switching qualifications.
- Experience with power-system studies and model validation tools such as PSS®E, PSCAD, PowerFactory or PSS®SINCAL.
- Direct BESS development, design or commissioning experience, including DNSP connection and hold-point testing.
- Experience delivering a portfolio of multiple concurrent, repeatable distributed or embedded energy sites.

Behavioural competencies

- A high level of confidentiality, discretion and professional judgement in technical and commercial matters.
- An uncompromising commitment to safety, particularly during high-risk energisation and switching activities.
- Strong technical problem-solving skills and the ability to work effectively across teams and project phases.
- Clear, confident and credible communication with contractors, NSPs, AEMO and internal teams.
- An adaptable, accountable and delivery-focused approach suited to a fast-paced, growth-stage platform.

We offer

- Prime Sydney CBD location with hybrid and flexible working arrangements.
- Competitive remuneration and performance-linked bonus potential.
- Growth opportunities within an international and dynamic organisation.

This job description serves to illustrate the scope and responsibilities of the role and is not intended to be an exhaustive list of duties. The successful candidate will be expected to perform other job-related tasks as needed by the business.