



GRISPEN AUSTRALIA

Structural Engineering • Project Management • Document Control



CAPABILITY STATEMENT

THE PARTNER FOR YOUR SOLAR PROJECT

Solar and BESS developers work on tight EPC margins and even tighter construction schedules. A missing structural sign-off, expensive local engineers, a slow document turnaround, or an under-resourced site team can put project dates and budget at risk.

Grispen Australia gives developers, EPCs and asset owners a cost-effective, flexible partner combining senior expertise utility-scale solar delivery track record with the cost-effective Grispen's full structural engineering bench.

WHO WE ARE

Grispen has a Perth-based project management office delivering essential solar development projects services combined with Nicaragua and US-based engineering teams.

- Perth head office, active across Australia, Singapore and Malaysia
- Cost effective structural engineering, drafting, FEA services from overseas engineering center
- ISO 9001-certified management system
- Positioned as a subcontractor and flexible delivery partner, not a competing EPC
- Expertise in BESS, micro grid controller, and any other solar specific components

Grispen provides local project delivery with structural engineering depth to give solar and renewable energy clients a single, accountable point of contact without EPC overheads.



THE PARTNER FOR YOUR SOLAR PROJECT

Core Capabilities

From feasibility through to commissioning, Grispen covers the engineering, project management and document control disciplines a solar developer or EPC needs, sized and priced for mid-scale teams, not big-firm overhead.

PROJECT & CONSTRUCTION MANAGEMENT

Feasibility & due diligence, strategic advisory, project development, procurement and contract management, construction oversight, commissioning support and O&M guidance for solar and BESS assets.

DOCUMENT CONTROL

Full document control services for construction and engineering packages – registers, transmittals, redline/query turnaround and controlled-document management aligned to client IMS requirements.

DRAFTING

ASME- and ISO-compliant drafting and modelling using Autodesk Inventor and AutoCAD, backed by STAAD.Pro and ANSYS Mechanical analysis capability.

STRUCTURAL ENGINEERING

Racking and mounting structure verification, BESS/skid structural and lifting analysis, onshore in-place analysis, temporary works and reinforcement design, delivered through GT's structural engineering bench.

PROCUREMENT & FABRICATION SUPPORT

Vendor and package procurement support, fabrication drawing production and liaison with fabrication yards for structural and BOS components.

OWNER'S ENGINEER / TECHNICAL ADVISORY

Independent Owner's Engineer representation, technical due diligence and project gate reviews for developers, investors and asset owners with deep expertise in micro-grid controllers, BESS and substation components.

OWNER'S ENGINEER & INVESTMENT DUE DILIGENCE

Investors, lenders and asset owners need an independent, senior engineering voice they can trust, one that can sit across the table from the EPC and give a plain answer on whether a project is on track. Grispen Australia provides Owner's Engineer representation and technical due diligence for solar and BESS developments, from early feasibility through to financial close and construction gate reviews.

Our due diligence and Owner's Engineer services include:

- Technical due diligence for acquisitions, project financing and M&A: independent engineering review of design, permitting, grid connection and construction status to support in vestment decisions.
- Project gate reviews at key milestones: FID, financial close, notice to proceed, mechanical completion; assessing readiness, residual scope and risk before capital is committed.
- Bankability and technical risk assessment, supporting lenders' and investors' technical advisors with independent engineering opinion on design, equipment selection and construction methodology.
- Contract, schedule and cost review: sense-checking EPC contracts, programme and budget against comparable utility-scale project experience.
- Risk register development and review, identifying, quantifying and prioritising technical, schedule and construction risk ahead of investment or construction decisions.
- Owner's Engineer representation through construction: independent oversight on the owner's behalf, monitoring EPC performance, quality and schedule against contract requirements.

Grispen Australia gives investors and asset owners confidence that capital is going into de-risked, well-executed solar projects – backed by senior engineering judgement, not just paperwork.





LEADERSHIP

Team Overview



Brian Rafferty

DIRECTOR – SOLAR SECTOR

Brian brings over twenty years of dedicated utility-scale solar and BESS delivery experience across Australia, spanning developers including Global Power Generation, Alinta Energy/APA, Engie, EDL, TransAlta and Rio Tinto's mining operations.

- 700+ MWdc of solar PV and hybrid renewable capacity delivered or supported since 2018
- Feasibility, procurement, construction oversight, commissioning and O&M advisory
- Deep experience with grid-connected, hybrid and off-grid mining microgrid projects



Bertrand Peuchot

DIRECTOR, GRISPEN AUSTRALIA

Director of Grispen Australia, Bertrand coordinates project delivery, quality and client engagement across Australia, Singapore and Malaysia, backed by Grispen Technologies' structural engineering department.

- Experience as a hands-on Project Director on renewables projects and mega mining CAPEX
- Direct access to Grispen Technologies' structural, drafting and FEA engineering bench
- Delivered 8MW and 20MW off-grid hybrid solar farms

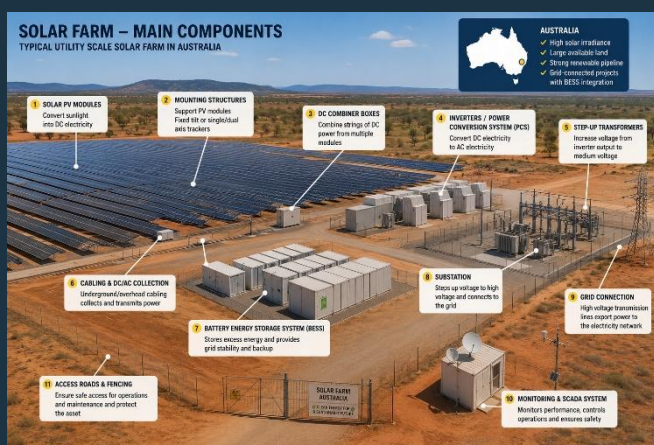
CONSTRUCTION DELIVERY & COMMISSIONING SUPPORT

Successful utility-scale solar projects depend on disciplined execution in the field. Grispen provides experienced project and site support to help EPC contractors maintain productivity, resolve construction issues quickly and achieve practical completion on schedule.

Our support includes:

- Site productivity improvement through proactive engineering coordination between design, procurement and construction.
- Construction engineering support for technical queries, design clarifications and field modifications.
- BESS, MCG, inverters and other main components specifications review and compliance checks.
- Commissioning planning and coordination, including system readiness reviews and commissioning documentation.
- Punch list management, tracking outstanding items through to close-out and supporting timely project completion.
- Defect identification and resolution, working collaboratively with contractors, suppliers and clients to achieve quality outcomes.
- Interface with Regulators.

From first sketch through to final handover, Grispen helps developers and EPC contractors deliver safe, compliant and commercially successful renewable energy projects.





TRACK RECORD

Selected Projects

A selection of utility-scale and hybrid solar projects delivered by the senior members of the team in previous roles, spanning grid-connected, hybrid and off-grid mining applications across Western Australia, Queensland, New South Wales, the Northern Territory and also Senegal.

PROJECT	STATE	SCALE	SCOPE
Wellington Solar Farm	NSW	200 MWdc	Grid-connected, single-axis tracker
Nevertire Solar Farm	NSW	131 MWdc	132kV HV substation, STATCOM, grid-connected
Cunderdin Solar Farm & BESS	WA	128 MWdc + 55MW/220MWh BESS	WA's first large-scale grid-connected solar hybrid facility
Eramet Grande Cote Solar Farm	Senegal	21 MWac	Hybrid facility off grid with single-axis tracker
Port Hedland Solar Farm	WA	65 MWdc	Cyclone-rated fixed-tilt array integrated with gas-fired power stations
BHP Nickel West, Northern Goldfields	WA	38 MWac + 10MW/5MWh BESS	Hybrid renewable facility powering Mt Keith & Leinster mining ops
Yuri Renewable Hydrogen to Ammonia	WA	18 MWdc + 8MW/8MWh BESS + 13MW electrolyser	Green hydrogen facility feeding Yara's ammonia plant
Rio Tinto Amrun Thermal & Renewable	QLD	12 MWdc + 8MW/2.1MWh BESS	Off-grid mining microgrid with new controls platform

Track record reflects project delivery experience of Grispen Australia's solar sector leadership, delivered prior to Grispen Australia engagements. Full project list available on request.

CERTIFICATIONS & STANDARDS

- ISO 9001 – Certified Quality Management System (Grispen Technologies)
- AS/NZS 5033, AS/NZS 3000, AS/NZS 4777.1 & 2, AS/NZS 1170.2, AS 1768 compliant engineering

LET'S TALK

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