

Capability Statement

2026





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The Tranex Power Journey

Tranex Power's journey began in 2004 when the Young family made the bold decision to relocate to Tasmania, although the origins of their story extend much further back.

This is the Tranex Story.

Allen Young, the patriarch of the Young family, established a civil construction business in Melbourne's bustling western suburbs in the late 1980s. The venture quickly grew and thrived, expanding significantly until 2004, when Allen sold the business and began a new chapter in Tasmania.

It was there that Tranex was born, continuing the family's deep connection to the construction industry. The civil construction business was re-established, with rapid growth leading to a national expansion by 2008, primarily focused on the supply and installation of roadside barrier systems.

By 2011, Tranex had developed numerous construction teams and was delivering major infrastructure works for Tier 1 contractors. Key projects included works for BMD on the Townsville Ring Road in Queensland, Seymour Whyte on the Pacific Highway upgrades in New South Wales, and Winslow Contractors on the Hume Highway upgrade in Victoria.

In 2012, Tranex's expertise in the civil and mechanical installation of roadside barrier systems caught the attention of a leading engineering firm, which requested Tranex's involvement in installing 30,000 piles for Australia's first utility-scale solar farm. Recognising the potential of the emerging renewable energy sector, Tranex's leadership team undertook extensive research into the industry, including multiple visits to the United States and Europe to engage with leading renewable contractors and technology providers.

Seeing the opportunity to contribute to a rapidly developing industry, Tranex embraced the vision of "building a brighter future." By 2013, the company had begun partnering with leading solar EPC contractors such as Elecnor, Bouygues Construction, and Downer, delivering a range of civil, mechanical, and structural scopes across early utility-scale solar projects.

By 2015, Tranex was entrusted with delivering major scopes on the Parkes Solar Farm, a 66MW project that formed part of the pioneering ARENA-funded program designed to establish Australia's utility-scale solar market. Over the following years, Tranex delivered projects ranging from 2.5MW to 400MW, spanning locations from the tip of Cape York in Queensland to Geraldton in Western Australia, as well as across regional New South Wales, Victoria, and South Australia.

Today, Tranex stands proud, having installed over 4GW of solar capacity across more than 60 projects nationwide. The company provides comprehensive services ranging from early design and engineering support through to full construction delivery, supported by highly experienced construction teams. From site supervisors to project managers, Tranex retains key talent, continuously integrating lessons learned and refining core delivery processes to maintain the highest standards of performance and safety.

Over two decades later, Tranex continues to strengthen its vision of "building a brighter future," expanding its focus across the Asia-Pacific (APAC) region. With a steadfast commitment to the next generation, Tranex remains dedicated to innovation and leadership in sustainable energy solutions, delivering projects that create lasting value for communities and partners alike.

Recognising a growing need for reliable power solutions in remote and regional environments, Tranex has expanded its capabilities through Tranex Power, focusing on the Prime Power market. This expansion reflects the increasing demand for specialists capable of integrating new generation assets into existing energy frameworks and infrastructure, particularly in regions where project delivery conditions are complex and logistically challenging.

Through an integrated in-house delivery model, Tranex Power provides clients with a single-source solution, combining engineering, construction, and project management expertise to deliver dependable power systems efficiently and effectively.

Tranex Solar is guided by principles that have endured since the 1980s. As the team often says, "We finish what we start, we do what we say, and our word is our bond."

“ We finish what we start, we do what we say, and our word is our bond. ”

These values underpin every project undertaken by Tranex, reinforcing a reputation built on integrity, reliability, and execution certainty. Today, this unwavering commitment continues to position Tranex as Australia's most trusted power service provider, recognised for delivering projects safely, efficiently, and to the highest standard.



TRANEX VISION

Setting the standard for **execution certainty in Australian renewable-energy construction**, as the delivery partner clients trust when **timing, quality, and risk** absolutely matter.

TRANEX MISSION

We deliver utility-scale solar and BESS projects with execution certainty through **disciplined pre-construction planning, value engineering, vertically integrated project delivery teams,** and **uncompromising project control**



We were impressed with the way the Tranex Construction Team executed the project, from planning through to the completion stages.

The site team was organised, solution orientated and communication was always open and transparent. Enerparc Australia would not hesitate to recommend Tranex Power for construction on future projects.

B Hannig

Managing Director, Enerparc Australia



Core Values



MAKE IT HAPPEN

- We move fast, stay proactive, and deliver with discipline and intent.
- Are Agile & Adaptable



OWN THE OUTCOME

- We take responsibility, follow through, and stand behind our commitments.
- We step in, fix issues early, and remove obstacles for the client and the team.



DRIVEN TO EXCELLENCE

- We commit to Continuous Improvement
- Are willing to Learn and take on feedback



SERVE THE CUSTOMER WELL

- We communicate clearly, stay dependable, and look after the client's needs at every stage.
- Are Easy to work with and remain Humble, Loyal and Genuine people.



DO IT RIGHT

- We work safely, follow the process, and delivery to the standard everytime
- We don't accept lower standards and hold each other accountable through courageous conversations.

MEMBER



ISO CERTIFIED



Division Overview



UTILITY SOLAR

Tranex Power delivers utility-scale solar farms with unmatched speed, precision, and efficiency. By focusing exclusively on the construction phase, projects are streamlined, costs are controlled, and agility is maintained - ensuring results are delivered on time and on budget without taking on additional EPC risks or unrelated services.

CORE SERVICES

- Survey
- Piling & Foundations
- SAT Tracker Installation
- PV Module Installation
- DC Electrical
- Civil & Fencing

CLIENTS



EPC AND BOP

Tranex Power's EPC & BOP Construction Division delivers fully-built, bankable power projects for organisations that own energy assets but do not have an in-house construction capability. Acting as a single, accountable partner, we manage the entire project from ready-to-build through to a fully operational power plant, removing the complexity of coordinating multiple contractors.

High-quality, fully operational energy assets - without the risk.

CORE SERVICES

- Design
- Early works
- Procurement
- Survey
- Civil
- Fencing
- Piling
- Sat Mechanical installation
- PV module installation
- DC electrical
- HV electrical
- Hv connection

CLIENTS



BESS

Tranex Power designs, builds, and deploys battery-led power systems that stabilise the grid and keep remote or weak-grid sites running. We deliver fully integrated, dispatchable energy systems - not just batteries - focused on infrastructure-scale solutions that provide our clients with grid stability, resilience, and operational control.

CORE SERVICES

- Procurement
- Civil & Foundations
- DC Electrical
- HV Electrical
- HV Connection

CLIENTS



PRIME POWER

Prime Power delivers guaranteed, dispatchable energy where reliability matters most. We provide industrial, commercial, and infrastructure-grade power solutions that give our clients certainty - ensuring energy is available whenever and wherever it's needed. By managing the full scope from generation and fuel systems, to controls and field operations - we remove complexity and deliver fully operational, ready-to-use power systems.

CORE SERVICES

- Load Assessment
- Design
- Procurement
- Logistics
- Civil & Foundations
- Generator Installation
- Operations & Maintenance

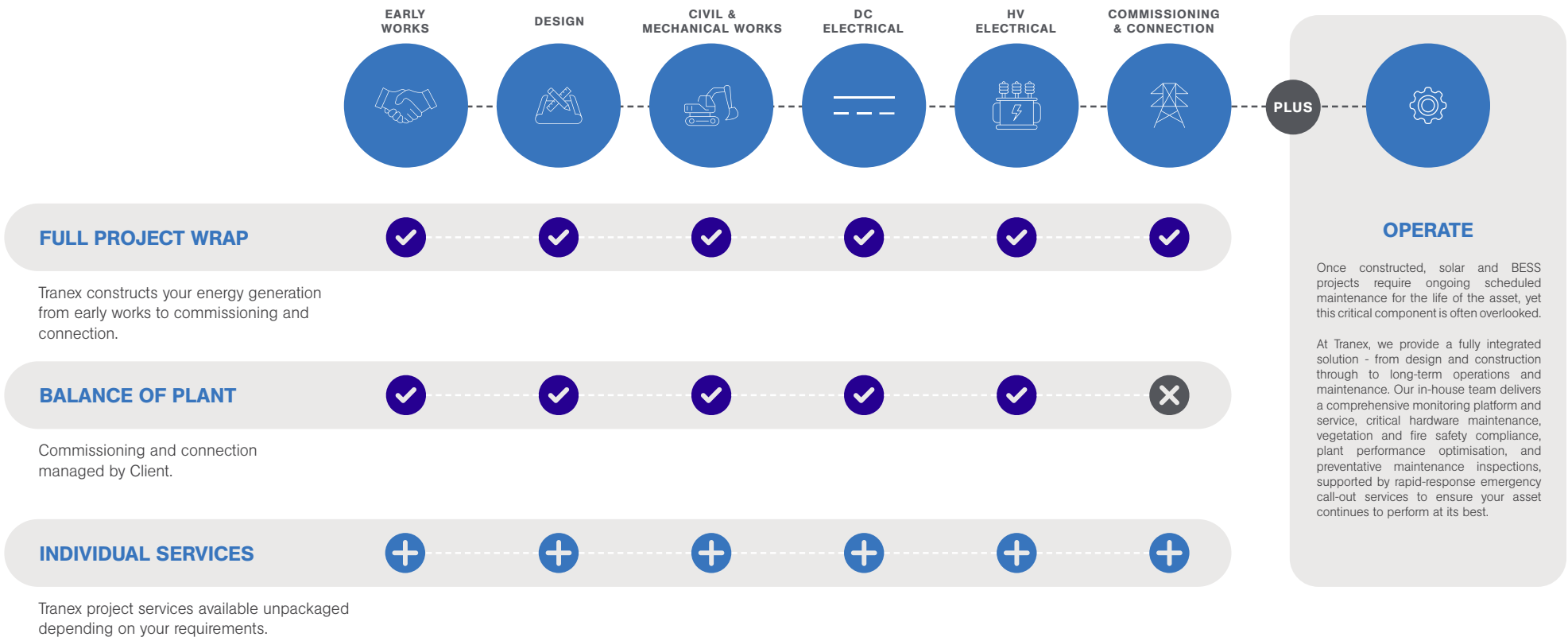
CLIENTS



Further product based information is available on request.

Tranex Project Services

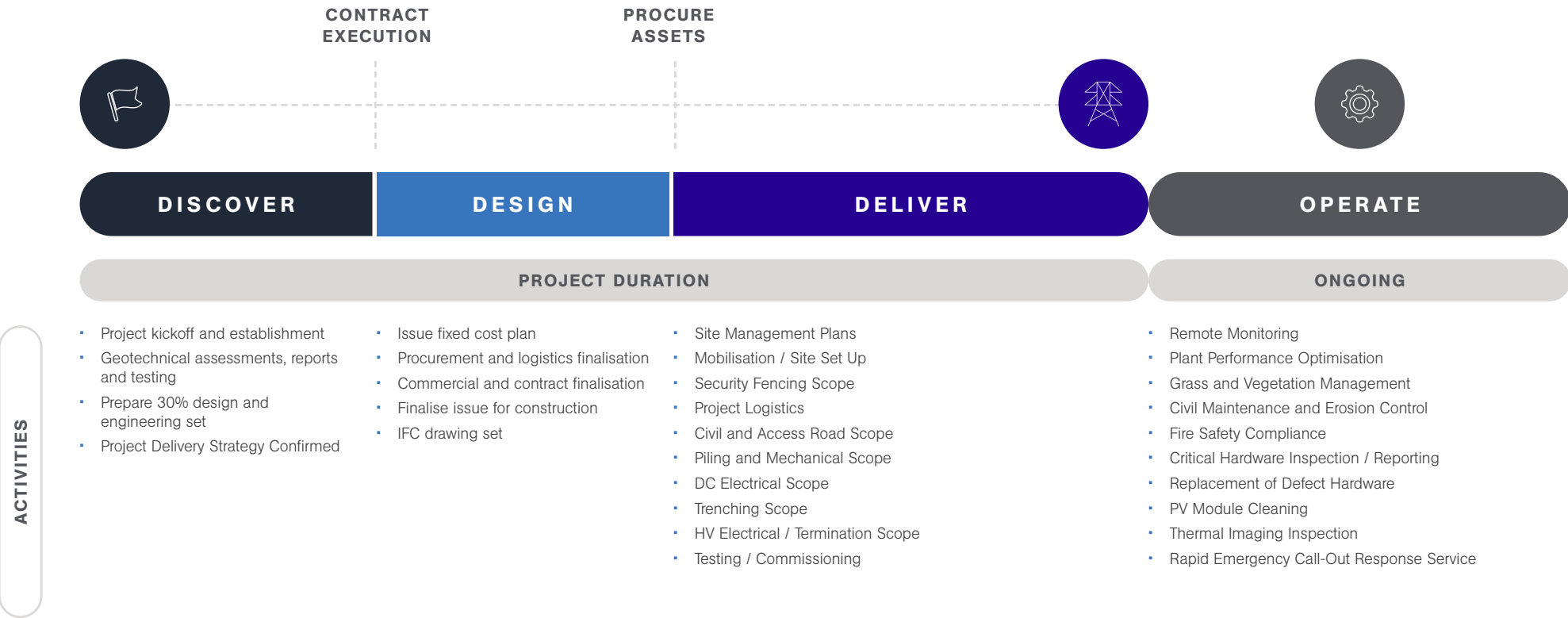
We provide **high-quality, cost-efficient project solutions** focused on delivering **measurable value**. Our services are structured to be **adaptable** and **scalable**, enabling efficient delivery across projects of differing scope, size, and technical requirements.





Project Methodology

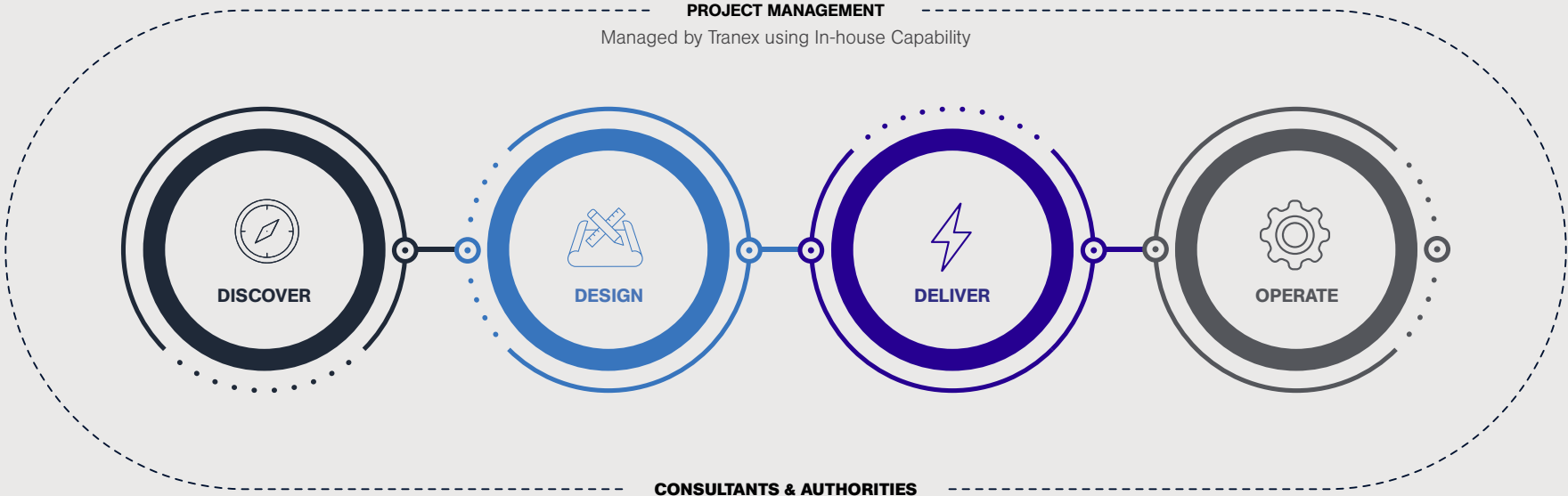
Tranex has devised a methodology that provides you with helpful information obtained from early works investigations to better inform decisions prior to contract execution. This **risk-free approach ensures no time is wasted** and projects are **completed on average 8-12 weeks faster than traditional EPC models**.



Our Smart Build™

Project Delivery Methodology

Experience the **perfect synergy of services** through our **integrated project approach**, designed to deliver a **complete solar project solution** that **accelerates results**. The process is managed by a dedicated point of contact, **strengthened** by our **extensive network of specialists across the APAC region**, ensuring you **stay informed** and **empowered at every stage**.



Discover



PROJECT KICK-OFF

KEY ACTIVITIES

- Understand key project personnel
- Discuss 3rd party engagements
- Establish project controls and communications with key stakeholders
- Schedule weekly cadence of project workshop and project review
- Review and agree project timeline and target construction sum
- Discuss long lead time items and suppliers
- Confirm required council and corresponding approvals
- Review and approve 5% design.

DELIVERABLES

- Undertake project kickoff meeting
- RACI matrix agreed for project personnel with weekly PCG cadence agreed
- Mutually agreed project timeline and target construction sum
- Established comms plan with external regulators / council authorities.
- Approval to proceed to detailed 60% documentation phase.



GEOTECH

KEY ACTIVITIES

- Site visit and familiarisation
- Conduct initial review of site topology and hydrology
- Perform initial assessment of grading and trenching plans, including preliminary soil conditions review
- Conduct initial review of site-specific requirements, including site ingress/ egress, traffic control, logistics, fire protection and erosion control.

DELIVERABLES

- Existing conditions report
- Pile test report
- Lateral / vertical load test
- Generate initial on-site installation and mobilisation plan.



DEVELOP 30% DESIGN AND ENGINEERING SET

KEY ACTIVITIES

- Progress design layout/arrangement
- Prepare 30% design set for subcontractor feedback
- Finalise procurement specification.

DELIVERABLES

- Verify project performance guarantee requirements
- Develop civil design, grading plan, perimeter fencing location, underground DC and AC electrical, foundation plan, racking installation, module wiring, MV switchgear and utility tie-in, and control systems
- Prepare 30% design set for subcontractor feedback
- Submit applications for relevant construction and building permits.



PROJECT DELIVERY STRATEGY

KEY ACTIVITIES

- Progress design layout/arrangement
- Prepare 30% design set for subcontractor feedback
- Finalise procurement specification.

DELIVERABLES

- Establish weekly co-ordination meetings
- Approved subcontractors to site for project optimisation.

PROJECT APPROACH

Design

5



ISSUE FIXED COST PLAN

KEY ACTIVITIES

- Scope review workshop with construction delivery team to optimise design and identify value engineering opportunities
- Clarify outstanding RFI's and issues to obtain final fixed pricing from suppliers and construction delivery team.

DELIVERABLES

- Issue fixed cost plan to client including optional items and breakout costs for suggested early order items.

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PROCUREMENT AND LOGISTICS FINALISATION

KEY ACTIVITIES

- Confirmation and order placing for long lead time items
- Finalise purchase agreements with suppliers for long leadtime equipment
- Update master project programme including equipment timelines
- Develop & implement project logistics management plan
- Negotiate and execute professional service agreements with local service providers to include traffic control, office trailer and lay down areas, temporary fencing, temporary roads and parking, temporary lighting and portable facilities, signage and security.

DELIVERABLES

- Client to issue LNTP for procurement items
- Execute purchase agreements with suppliers for long leadtime equipment, including securing required warranties and delivery guarantees
- Agreed project timeline schedule with final equipment timelines
- Issue project logistics management plan.

7



CONTRACT SIGNOFF

KEY ACTIVITIES

- Finalize contract amount and project schedule and incorporate into EPC agreement
- Complete negotiation of contract schedules, including delivery milestones, general terms and conditions, and testing and commissioning requirements
- Set up digital project reporting application and cadence for construction phase.

DELIVERABLES

- Fully executed construction contract.

8



FINALISE ISSUE FOR CONSTRUCTION SET

KEY ACTIVITIES

- Review and approval of subcontractor shop drawings and submittals
- Finalise Issue-for-Construction drawings (including civil, structural, and electrical).

DELIVERABLES

- Issued for construction drawings
- Site project management and construction sequencing plan
- Issued HSE management plan and quality management plan.

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SITE MOBILISATION

KEY ACTIVITIES

- Obtain copy of required construction certificate
- Complete initial site conditions, including site access, traffic control, temporary parking, roads and lay down areas, temporary fencing, construction trailers, temporary services, and security
- Establish on-site safety, traffic, visitor check-in, badging, delivery notification, and communication requirements and protocol
- Establish subcontractor logistics and meeting cadence
- Site facility established.

DELIVERABLES

- Submit construction certificate
- Site project management and construction sequencing plan
- Issued HSE management plan and quality management plan.

Deliver



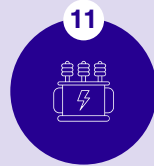
Operate



CIVIL/PILING & MECHANICAL WORKS

DELIVERABLES

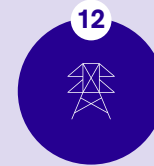
- Complete clearing, grubbing and required grading work
- Site access, internal roads and staging areas
- Security fencing
- Survey and set out of piles / foundations
- Pile/ foundation installation
- Initiate preassembly of trackers and mount racking and hardware
- Structure assembly and installation
- PV module mounting



DC/HV ELECTRICAL INSTALLATION

DELIVERABLES

- DC / HV trenching in accordance with defined routes for DC and AC collection systems
- DC/HV conduit and cable installation and terminations
- PV Module looming, DC String Wiring, installation of combiner boxes, motor and control connections
- Undertake foundations for power stations and MV switchgear
- Installation of SCADA system, security and CCTV systems
- SCADA system installation
- Polarity and IV curve testing.



COMMISSIONING

DELIVERABLES

- HV connection at point of connection / outage
- Undertake R1 testing
- Undertake R3 Testing (where required)
- Grid performance testing
- Handover to client
- Operations and maintenance facilities
- Performance and capacity testing
- Grid protection and stimulation.



OPERATE

DELIVERABLES







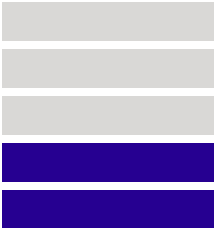
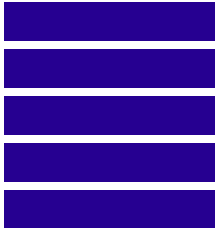
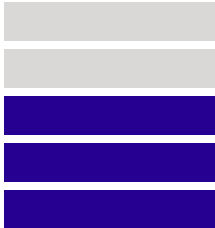
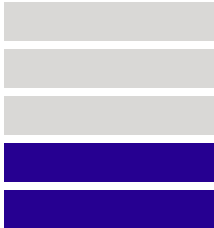


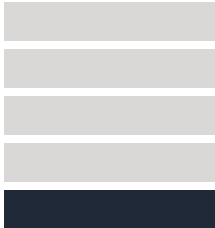


- SCADA system management
- Equipment fault detection
- Energy and load forecasting
- Identify energy inefficiencies
- Fenceline and boundary clearing
- Roadway and access maintenance
- Grass and vegetation management between trackers
- PV module thermal imaging
- PV module cleaning
- Monitoring for individual string performance
- Pile inspection - check for movement
- Tracker inspection - bearings and drive train
- Tracker inspection - bolt torque settings
- Inverter monthly checks for performance
- Termination and connection assessments
- Combiner box inspection.

What is Smart Build™?

The SMART BUILD™ contract model **developed exclusively by Tranex Power** offers a **revolutionary approach** to solar project construction, **providing significant cost savings** and **greater control** for developers. The diagram illustrates the differences between traditional contract models.



Summary of Contract Models

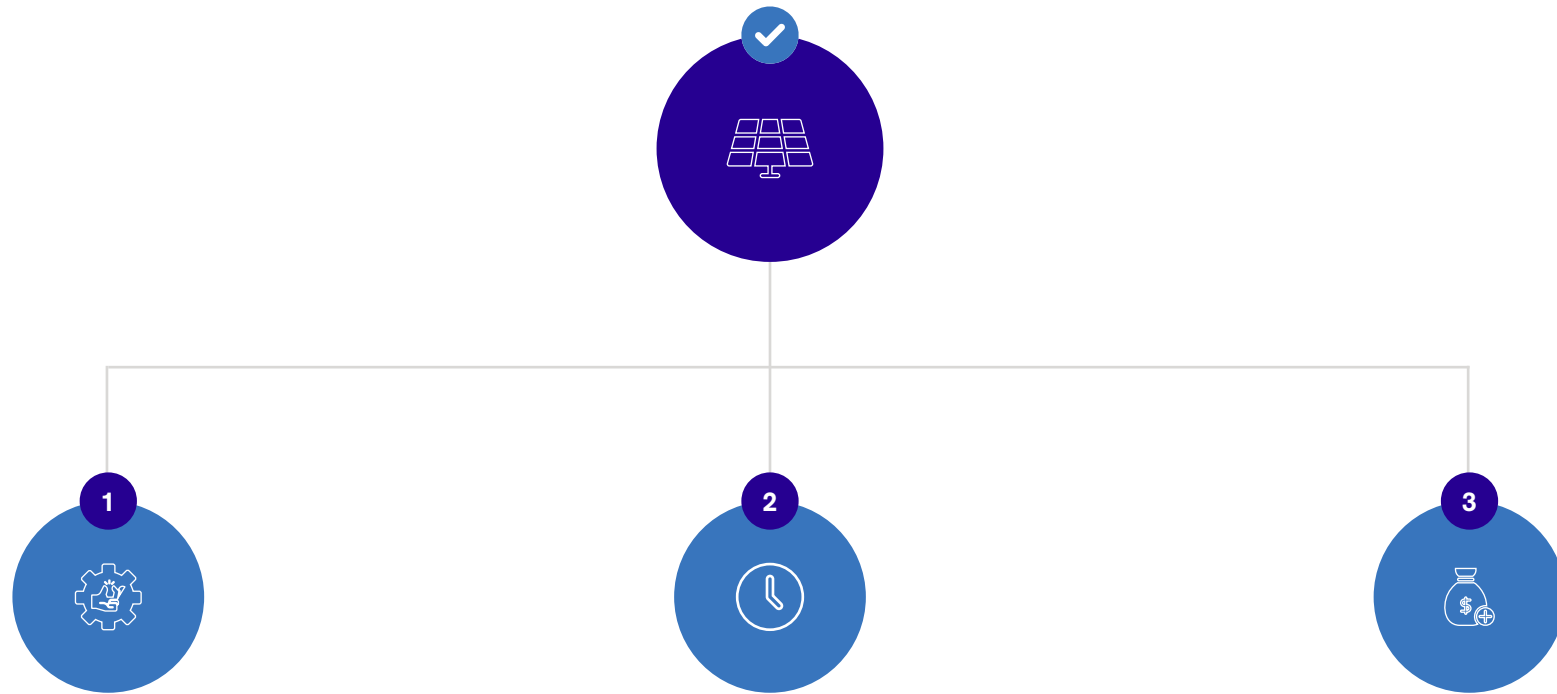
		DEVELOPER						
		DIFFICULTY	COST	TIME INVESTED	RISK			
CONTRACT MODEL	 <p>SMART BUILD™</p>	<p>DESCRIPTION</p> <p>Much like the EPC model, SMART BUILD™ provides expert advice from concept to completion. The major difference is that the Developer procures the assets directly eliminating the additional margin typically added with an EPC contractor.</p>	<p>WHO DOES WHAT</p> <p>Our experts advise you and deliver the project, but you don't pay extra for the support.</p>					<p>You procure the assets directly under our expert guidance.</p> <p>We deliver the project using in-house resources.</p> <p>No margin on margin.</p>
	 <p>EPC</p>	<p>A turnkey solution where a single contractor is responsible for the entire project from design to construction. The chosen contractor handles everything including procurement of assets.</p>	<p>EPC contractor coordinates everything for you but you will pay a lot for the service.</p>					<p>Everything is taken care of for you, but you pay a premium, and delays are prevalent with the added layers of complexity.</p>
	 <p>UNBUNDLED</p>	<p>The highest risk option. Uses significant internal resources and requires extensive knowledge of the solar and construction industries, with scope gap and management being the largest risk factor</p>	<p>Developer coordinates everything with no assistance.</p>					<p>Nil. Uses your resources and requires knowledge of solar industry and construction.</p>

Smart Build™ Cost Ranges

	EARLY WORKS	DESIGN	PROCUREMENT	CONSTRUCT	OPERATE (MONTHLY)	TOTAL COST	\$ PER W	
PROJECT SIZE	1MW– 5MW DC (+20% adjusted)	\$90k – \$108k	\$294k – \$390k	\$750k – \$3.39M	\$1.34M – \$5.85M	\$5,500 – \$8,500	\$2.48M – \$9.74M	\$1.98 - \$1.50/W
	5MW – 20MW DC	\$90k – \$175k	\$325k – \$695k	\$2.825M – \$9.62M	\$4.875M – \$18.2M	\$7,083 – \$14,583	\$8.12M – \$28.69M	\$1.25 - \$1.10/W
	20+ MW DC	\$175k+	\$695k+	\$9.62M+	\$18.2M+	\$14,583+	\$28.69M+	~\$1.10/W+

	EARLY WORKS	DESIGN	PROCUREMENT	CONSTRUCT	OPERATE (MONTHLY)	TOTAL COST	\$ PER W	
SMART BUILD INCLUSIONS	<ul style="list-style-type: none"> Project kickoff and establishment Geotechnical assessments, reports and testing Prepare 30% design and engineering set Subcontractor engagement Project build team engagement. 	<ul style="list-style-type: none"> Issue fixed cost plan Procurement and logistics finalisation Contract signoff Finalise issue for construction IFC drawing set. 	<ul style="list-style-type: none"> Assets purchased by developer under the expert guidance of Tranex technical specialists Purchases based on solid industry relationships ensuring best prices and no margin on margin. 	<ul style="list-style-type: none"> Free issued material management Site mobilisation Civil / piling and mechanical works DC / HV electrical installation Commissioning and handover. 	<ul style="list-style-type: none"> Grass and vegetation management Civil maintenance and erosion control Tracker inspection and report Module inspection and report Solar panel cleaning Solar panel thermal imaging Replacement of tracker components Replacement of PV panels. 	<ul style="list-style-type: none"> The price you agree is the price you pay No variations, no surprises. 		

3 Reasons to Choose Smart Build™



SIMPLIFIES THE PROCESS

- Simple structure
- One team approach
- Clear decision making

SAVES YOU TIME

- Efficient use of resources
- No delays
- No multi layer signoff
- In-house capability

SAVES YOU MONEY

- No margin on margin
- What you agree is what you pay unless you change the scope
- Our approach completes your project on time
- We plan the most beneficial cost structure with you



Great company to work with – this is a tough industry and there are not a lot of companies that I would recommend, but Tranex Power is in the top tier of contractors in this industry.”

B Rafferty

Construction Manager
Juwi Renewable Australian Pty Ltd





Delivering Excellence

The Tranex model brings **leading engineers, project managers and construction managers** together. Our specialists provide **strategy-informed design**, accurate market lead times and **transformative approaches** to delivery to give **cost, quality** and **programme certainty**.

PROJECT DELIVERY



Roger Young

Roger holds over 7 years experience in utility scale solar farms from estimating, cost and commercial management and project delivery. With over 2500MW of delivery experience throughout Australia he has seen many significant projects from concept through to project delivery with detailed project oversight to ensure that all project stakeholders interests are protected at all times. He maintains strong relationships with key project stakeholders at all times.

ELECTRICAL PROJECT MANAGER



Matt Hands

Matt delivers high-quality electrical works while consistently exceeding stakeholder expectations. He has managed multiple time-sensitive projects, balancing budgets with practical, value-driven solutions. With extensive experience across utility-scale solar and BESS projects, he specialises in electrical systems design, installation, commissioning, and integration of tracker, inverter, and storage systems. His collaborative, adaptable approach has contributed to the delivery of over 7 utility-scale solar and battery storage projects with Tranex.

COMMERCIAL MANAGER



Michaela McGinn

Michaela is a Commercial Manager with over 10 years' experience across a diverse range of projects. She brings a strong commercial acumen, with expertise spanning contract management, commercial oversight and stakeholder coordination throughout the project lifecycle. She is a highly effective commercial professional, known for her structured approach, clear communication and ability to navigate complex project environments. Michaela works closely with stakeholders to support aligned, commercially sound outcomes, maintaining a consistent focus on efficiency, professionalism and delivery.

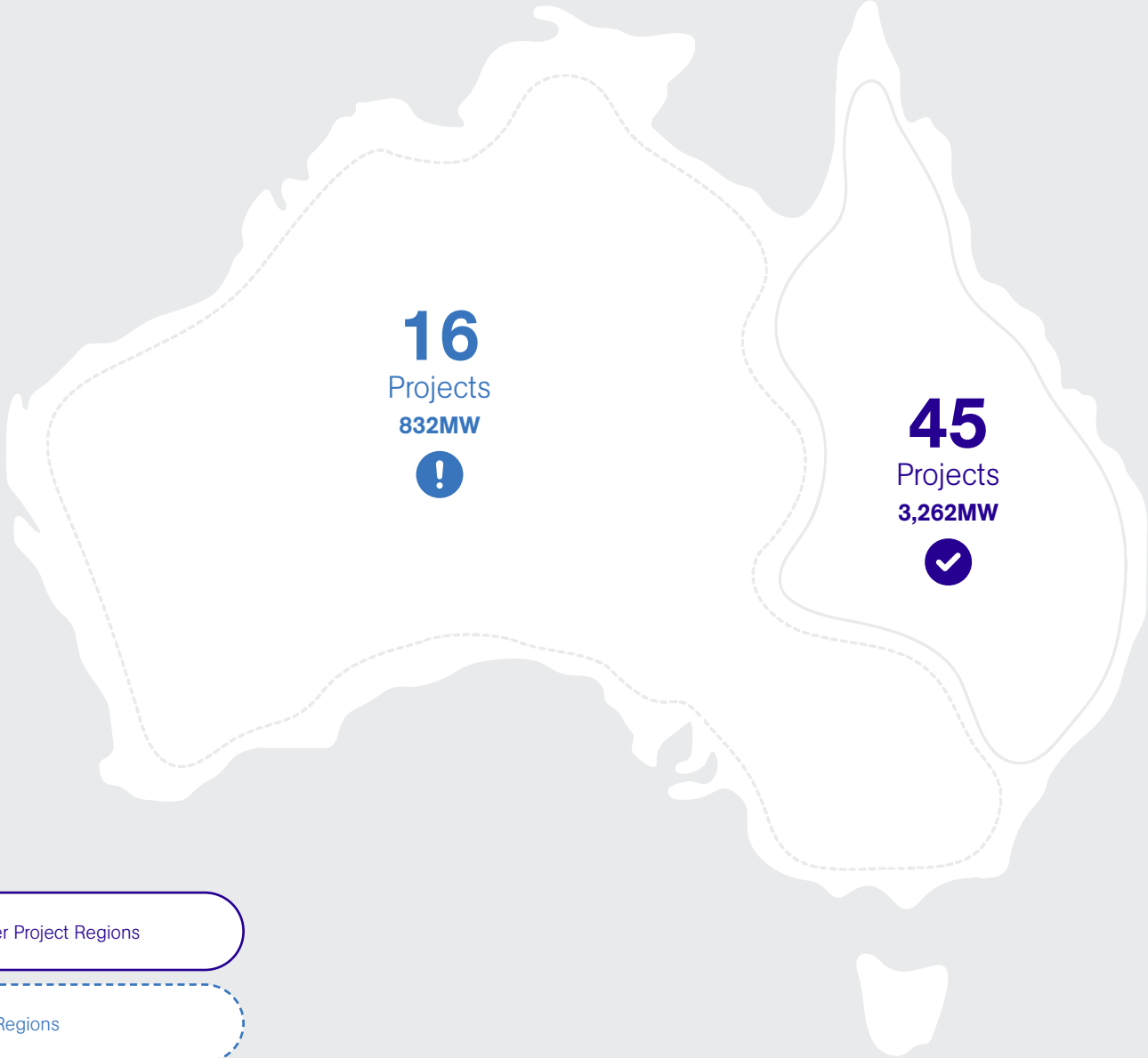
MECHANICAL PROJECT MANAGER



Abhinav Thakur

Abhinav has a sharp focus for delivering quality builds and exceeding expectations from all stakeholders. He has managed multiple projects in time sensitive environments with an emphasis on working within budget requirements and presenting practical solutions. Through his adaptability and extensive experience, Abhinav has developed strong skill sets around efficient piling methodologies, value engineering of civil, piling, tracker systems and electrical scopes along with a driven, energetic and collaborative approach to scope management onsite. Abhinav has built in excess of 2150MW of utility scale solar farms with Tranex.

Project Locations



KEY

 High Density Tranex Power Project Regions

 Emerging Tranex Project Regions

Project Partners





PROJECT EXPERIENCE

UTILITY SOLAR

Project Experience

UTILITY SOLAR



Edenvale Solar Project

The project scope included piling, mechanical installation, and PV module installation, with a total of 377,888 modules installed across the site.

Tranex Power was engaged by GRS to deliver its construction scope, coordinating piling, mechanical works, and module installation across multiple work fronts. Careful planning and sequencing ensured high efficiency and alignment with programme, quality, and safety standards.

At peak construction, the project mobilised a large workforce and multiple crews simultaneously, overcoming site size and logistical challenges to achieve record construction productivity. The completed installation now delivers substantial renewable generation capacity into the local network, supporting Queensland's energy transition objectives.

PROJECT STATISTICS

Client	
Location	Chinchilla, QLD
Services	Early Works, Logistics, Survey, Pre-Drilling, Piling, SAT Tracker and PV Module Installation Scopes
SAT Tracking System	
Number of PV Modules	377,888
Size	204MW DC



“Tranex Power has installed in excess of 500MW of the PVH Tracking System in Australia (inc. Monoline Series and Dually linked single axis, DUO Series) . Under the current mechanical contracts in place (piling plus pure mechanical installation) we expect this figure to increase up to 1 GW towards the end of 2023.

Tranex Power has proven a great understanding of our System and it is a well regarded installer by many EPC Contractors in the market, evolving as one of the most trusted partners within the Australian Solar Industry as they strive for continual efficiencies and system installation improvements. We would be very happy to recommend Tranex Power as a professional, experienced, and trusted Piling and Mechanical Contractor in the market and I can be contacted as a referee if further information is required.”

Alex Cantos
PVH Australia Head



Project Experience



UTILITY SOLAR

New England Solar Project

The New England Solar Farm – Stage 1 is a 522 MW DC utility-scale solar project, constructed in stages near Uralla, in the New England region of New South Wales. As one of the largest solar farms participating in the National Electricity Market (NEM), the project spans over 1,100 hectares of predominantly cleared grazing land and is intersected by an existing 330 kV TransGrid transmission line, enabling direct grid connection.

Tranex Power was engaged by Elecnor Australia to deliver the piling and mechanical installation scopes. Despite the challenges posed by a La Niña construction season, Tranex successfully delivered its package in alignment with the project's high-quality and safety standards. At peak construction, the project employed over 300 Tranex personnel on-site, showcasing our ability to manage and execute large-scale deployments under complex weather and terrain conditions.

PROJECT STATISTICS

Client	
Location	Armidale, NSW
Services	Logistics, Survey, Pre-Drilling, Piling, SAT Tracker and PV Module Installation Scopes
SAT Tracking System	
Number of PV Modules	968,832
Size	522MW DC



“Our experience working with Tranex Solar on the New England Solar Farm was professional and highly efficient.

The Tranex team demonstrated a strong ability to deliver quality work with speed, while maintaining an unwavering commitment to safety standards. They are organised, efficient, and genuinely easy to work with. We would welcome the opportunity to work with them again on future projects.”

Victor Mendez

Solar Operations Manager | Elecnor Australia





PROJECT EXPERIENCE

BOP & EPC



Project Experience

BOP & EPC

Wangaratta Solar & BESS Project

Tranex Power delivered the full EPC and BoP construction scope for the 39.3 MWdc Wangaratta Solar Farm, incorporating a co-located Battery Energy Storage System. The project required an environmentally sensitive design to avoid native vegetation, ecological constraints, and culturally significant areas, while consistently wet ground conditions drove strategic sequencing of civil works. Engineering refinements—including redesigned electrical trench layouts—improved constructability, reduced material use, and enhanced efficiency. As Principal Contractor, Tranex coordinated all onsite activities, subcontractors, and programme management to safely deliver the project on schedule and to a high standard.

PROJECT STATISTICS

Client	
Location	Wangaratta, NSW
Services	BOP Scope, Early Works, Procurement, Logistics, Survey, Civil, Fencing, Piling, SAT Mechanical, PV Module Installation, DC Electrical, BESS Installation & Connection
SAT Tracking System	
Number of PV Modules	71,415
Size	39MW PV / 78MWH BESS



“Tranex took full ownership of their Principal Contractor role, efficiently managing subcontractors, keeping the programme on track, and maintaining strong relationships with local stakeholders. Clean Peak Energy is proud to have partnered with Tranex Power and would gladly work with them on future utility-scale projects.

Their project management was outstanding - clear communication, proactive issue resolution, and an unwavering focus on safety and quality. The entire build was completed on time and to a very high standard, despite the complexities that typically accompany a project of this scale.”

Richard W
Construction Manager



Project Experience



BOP & EPC

Forest Glen Solar Farm & BESS

The Forest Glen Solar Farm is a 113.236 MWdc (79 MWac) utility-scale solar project located in Dubbo, New South Wales. The project scope comprised full PV Balance of Plant (BoP) construction, including early works, procurement, logistics, survey, civil, fencing, piling, single-axis tracker mechanical installation, PV module installation, and DC electrical works. A total of 178,605 modules were installed across the site.

Tranex Power was engaged by Santé Group to deliver the project, coordinating all construction activities across multiple work fronts. Extensive pre-testing and early works were undertaken to assess ground conditions and establish an efficient construction sequence. This approach enabled consistent productivity throughout the build and supported delivery ahead of programme, with strong alignment between safety, quality, and construction output across the project.

PROJECT STATISTICS

Client	
Location	Dubbo, NSW
Services	BOP Scope, Early Works, Procurement, Logistics, Survey, Civil, Fencing, Piling, SAT Mechanical, PV Module Installation, DC Electrical, BESS Installation & Connection
SAT Tracking System	
Number of PV Modules	178,605
Size	110MW PV / 180MWh BESS

Tranex Power Capability Statement



“Tranex Power’s delivery at Forest Glen Solar Farm was outstanding. The collaborative approach with Tranex Power, including daily SIMOPS reviews and joint workfront scheduling, aligned safety, efficiency, and output, resulting in what NextPower described as ‘one of the best-constructed projects’ they had seen. Tranex Power’s professionalism, planning, and execution made a complex project run seamlessly, and we would not hesitate to work with them again.”

Martin Hewitt
Construction Manager





PROJECT EXPERIENCE

BESS

Project Experience

BESS

Orange Community Renewable Energy Park

The Orange Renewable Energy Park (OCREP) successfully integrated Jinko BESS units with SMA Central Inverters, forming a reliable hybrid system for energy shifting and grid support. Using a detailed Interface Control Document (ICD), seamless communication between the SMA Plant Controller and Jinko PCS/BMS was achieved, ensuring stable operation and streamlined commissioning.

Noise reduction was a major design priority. Through a quiet-by-design strategy - careful BESS orientation, low-noise HVAC selection, acoustic barriers, and a night-mode fan control - the project met all compliance requirements while maintaining full functionality and avoiding neighbour disturbance. Optimising BESS placement further reduced costs and improved performance. By positioning BESS clusters closer to SMA inverters, cable runs and trenching were minimised, resulting in lower electrical losses and easier maintenance. Overall, OCREP demonstrates how integrated design, community sensitivity, and balance-of-plant efficiency can coexist in large-scale solar-storage projects.

PROJECT STATISTICS

Client	
Location	Orange, NSW
Services	BESS Equipment Specification and Sizing, Protection Studies (HV & LV), SCADA and Controls, BOP
BESS Manufacturer	
Size	6.8MW / 11MWh





PROJECT EXPERIENCE

PRIME POWER

Project Experience

PRIME POWER

Mineral Sands Mine

We were approached by our client to provide a 300kVA diesel genset that could not only withstand high corrosive environment in the harshest of conditions in outback Australia but also provide longevity for years to come.

The Situation

The Generator was required to provide prime power to a slurry pump that constantly moves product between mining and process areas of the mine. Due to its location, the generator needed to be protected from harsh conditions including erosion and rusting from the salt in the air.

Custom Modifications by Tranex

As a full service, power generation supplier, Tranex's in house engineering team worked with the client to provide a custom turnkey solution designed for one of the toughest applications.

- Advanced air inlet filtering to block sand ingress and salt-laden air, protecting the engine and air intake system.
- Marine-grade undercoat for corrosion resistance on exposed surfaces.
- Hot-dip galvanized skid base - this raises the unit off the sand (preventing burial or corrosion from ground contact) and allows towing/movement across the beach.
- Additional rust-proofing treatments for extra durability in saline conditions.
- Enhanced sound attenuation to minimize noise impact on nearby residents or wildlife.
- MDG15 Mining Specification



PROJECT STATISTICS

Location	New South Wales
Equipment	Cummins 300kVA Generator
Electric Output Mode	Prime Supply
Segment / Fuel	Mineral Sands Mine / Diesel
Total Output Power	300kVA



Project Experience

PRIME POWER

Remote Construction Camp

We were approached by our client to provide power to construction camp in remote South Australia that would meet the uninterrupted power requirements of the client while operating in temperatures above 50 degrees.

Custom Modifications by Tranex

As a full service, power generation supplier, Tranex's in house engineering team worked with the client to provide a custom turnkey solution for the client for the toughest applications, supplying uninterrupted power to a construction camp.

- Advanced air inlet filtering to block sand ingress and salt-laden air, protecting the engine and air intake system.
- Marine-grade undercoat for corrosion resistance on exposed surfaces.
- Hot-dip galvanized skid base - this raises the unit off the sand (preventing burial or corrosion from ground contact) and allows towing/movement across the beach.
- Additional rust-proofing treatments for extra durability in saline conditions.
- Enhanced sound attenuation to minimize noise impact on nearby residents or wildlife.
- MDG15 Mining Specification

These upgrades make the genset far more robust while meeting the end users requirements of low life cycle costs and class leading fuel efficiency and future proofing of the system to allow for renewable input (BESS, PV) without additional hardware or hybrid controllers.



PROJECT STATISTICS

Location	South Australia
Equipment	3 x 500kVA Cummins Generator sets with Deif controllers, 10,000 litre bunded diesel tank and 3200-amp distribution board with Turn key installation including civils, electrical, mechanical and commissioning
Electric Output Mode	415v Prime Supply N+1
Segment / Fuel	Oil and Gas / Diesel
Total Output Power	1500kVA





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