WSE | WESTSUN ENERGY

CAPABILITY STATEMENT 2025

About Us

IMAGE: Cataby Solar Farm

POWERING THE FUTURE THROUGH RENEWABLE ENERGY

Westsun Energy is a leading Australian energy solutions provider, specialising in the design, supply, and installation of renewable energy systems.

Founded in 2011, we have evolved from an electrical contracting company into a trusted leader in turnkey project development and EPCM (Engineering, Procurement, Construction, and Maintenance). As the Australian energy industry continues to evolve, we are committed to shaping the future with sustainable energy solutions like solar, wind, and battery storage. We provide innovative solutions that meet the dynamic needs of businesses, offering a comprehensive approach that ensures the successful implementation of renewable energy projects. Our team's deep understanding of the energy market and our dedication to a clean energy future have earned the trust of some of Australia's largest corporations, enabling them to confidently navigate their renewable energy journeys.

OUR MISSION

To cultivate a skilled workforce capable of delivering the projects of tomorrow.

OUR VALUES

Creative

We embrace challenging projects that inspire us to innovate and deliver cutting-edge energy solutions.

Sophisticated

We harness data to generate deep insights into the energy behaviours of businesses.

Energised

We are driven to make a positive impact through our initiatives and company culture.

Responsible

We are committed to the well-being of our employees, the safety and success of our projects, and the satisfaction of our clients.

IMAGE: Cataby Solar Farm

Our Project Partners & Recognition

RECOGNITION

Neca	Excellence Awards	State Finalist 2023	Silver
Neca	Excellence Awards	State Finalist 2023	Gold
Rise Business Awards	2022 Finalist	Small Business of the Year	
New Energy Tech	Approved Seller		
Clean Energy Council	Approved Solar Retailer		
Fronius	Authorised Service Partner		
Tesla Energy	Certified Installer		

PROJECT PARTNERS

Mineral Resources	PME
Western Power	City of Swan
ADCO	Rio Tinto
Synergy	Veolia
Water Corporation	Nova Clna
B & J Catalano	Hoffman Engineering
Completely Clean Energy QCells	

Community Engagement

Community engagement is embedded in our business. We are actively involved in initiatives that make a difference.

Currently, we are working with Synergy on the 'Smart Homes for Social Housing' program, a government initiative designed to help Western Australia address rising electricity costs.

Additionally, Westsun Energy has supported Synergy Community Grants by providing power to local non-profits such as Claremont Therapeutic Riding, Communicare Inc, Rocky Bay, and Second Harvest.

IMAGE:
Lions Eye Institute,
Nedlands Hospital

Our Capabilities

IMAGE: Kerr Engineering
200kw Roof top solar

We are proud to provide our clients with an end-to-end service, creating meaningful long-term relationships.

Our feasibility and pre-sales engineering are led with experience and expertise, and we prioritise a supply chain that upholds the highest ESG standards. We work closely with our clients to integrate lifecycle sustainability into all solutions, surpassing industry standards.

Our onsite teams, chosen for their exceptional skills, undergo a rigorous selection and induction process.

Our Capabilities include:

- Consulting, Feasibility & Design
- Project Planning & Management
- Construction
- Reporting, Auditing & Planning
- Procurement

Safety First, Always

At Westsun Energy, safety is at the core of everything we do. As a Tier 1 stakeholder in the energy and mining sectors, we are dedicated to providing a safe work environment for all employees, contractors, and stakeholders. Our proactive approach ensures that every individual returns home safely each day.

ISO CERTIFICATIONS

We are certified to the following ISO standards:

- **ISO 9001:2015 –** Quality Management
- **ISO 14001:2015 –** Environmental Management
- **ISO 45001:2018 –** Occupational Health and Safety

Our **Safety Management System (SMS)** aligns with these certifications, driving continuous improvement through regular audits, risk assessments, and comprehensive employee training. We enforce stringent safety protocols and provide essential Personal Protective Equipment (PPE) to safeguard our workforce.

By fostering a culture of collaboration and open communication, we work closely with clients and stakeholders to not only meet but exceed safety expectations—setting the benchmark for safety excellence in the energy and mining sectors.

IMAGE: WA Glass

Early Engagement Services

With a legacy dating back to 2011, Westsun Energy is committed to shaping the future through renewable energy.

Our collaborative approach, backed by a leadership team with deep industry expertise and a strong track record in turnkey project development, ensures we are well-positioned to meet your renewable energy objectives.

Partnering with Westsun Energy in the early stages of project development provides key advantages:

Precise Project Analysis and Costing

- Comprehensive energy data analysis and consumption modelling
- Detailed feasibility studies with accurate ROI projections
- Risk assessment and mitigation strategies tailored to your project
- Strategic Implementation Planning
- Custom system design based on site requirements
- Clear project timelines and milestone planning
- Early identification of regulatory and compliance requirements

Value Engineering and Optimisation

- Collaborative design refinement for enhanced efficiency
- Seamless integration with existing infrastructure
- Advanced energy modelling to maximise performance

Cost-Effective Solutions

- Multiple procurement options, including CAPEX, finance, and PPAs
- Optimisation of energy tariffs and consumption patterns
- Long-term strategies to reduce operational costs

Quality and Safety Excellence

- Comprehensive safety management systems
- Rigorous quality control processes
- A zero-incident track record with major clients

Integrated Project Delivery

- End-to-end project management
- Early procurement planning and execution
- Seamless transition from design to construction

Our experience with industry leaders such as Mineral Resources, Western Power, and major government projects demonstrates our ability to deliver complex renewable energy solutions. We provide ongoing support through advanced monitoring systems and regular performance reporting, ensuring your energy solution continues to deliver value long after installation.

By engaging Westsun Energy early in your project, you gain access to our proven expertise in delivering innovative, efficient, and sustainable energy solutions that drive long-term value for your business.

Project Planning & Management

Our Project Delivery Team has implemented some of Western Australia's largest solar systems. Our track record demonstrates our reliability for future projects and commercial rollouts.

PROJECT MANAGEMENT

Each client is assigned a dedicated Project Manager to ensure streamlined communication and the best possible service. We utilise advanced project management processes and software to ensure seamless processes and delivery.

CDC & DA Applications

Securing council approvals for solar installations is a critical component of project planning. These approvals are mandatory before any installation can proceed, making it essential to thoroughly understand the applicable requirements.

Our Project Team will manage all council applications with professionalism and efficiency, ensuring that commercial timelines are maintained.

Structural Engineering

All methods for fixing a solar system to a businesses roof require products that meet Australian Standards. At Westsun Energy we will re-certify any solution that requires modification.

Non-penetrative and penetrative methods of attachment are available,plus waterproofing and wind ratings are also considered for each roof type.

Electrical Engineering

Westsun Energy will perform an initial site visit with our CEC Accredited Designer and/or Head Installer in conjunction with a Site Electrician. Before designs are drawn, we understand how the solar system will integrate with existing electrical infrastructure. We adhere to Electrical Standards AS5033, AS3000, AS4777, and CEC Guidelines.

QUALITY ASSURANCE

Projects are commissioned only after our Delivery Manager signs off, adding an extra layer of accountability and quality assurance. Each project is documented with our Safety Manual, which records all products, safety, and quality checks.

IMAGE:
Our Project Manager, Ryan Smith, receiving a safety award for the Forrestfield 1.2 MW project with Western Power and Adco.

Construction

Westsun Energy offers comprehensive civil and construction support for any project. Whether through our in-house expertise or a trusted network of contractors, we ensure that all our clients receive the necessary support to achieve their project goals.

Our core competencies include:

- Earthing Systems
- Underground pit and pipe
- Conduit supply and installing
- Concrete pad, formwork
- Directional Drilling
- Pile Driving
- Acoustic Screen supply and install
- Retaining wall supply and install
- Concrete tilt-up panels
- Steel Fabrication work

The lifespan of a solar system is determined by the quality of the product and the level of maintenance over time. With proper care and a skilled team, a solar system can generate energy for over 30 years. Our processes allow us to deliver energy systems that are safe, reliable and will meet your needs for decades to come.

Reporting, Auditing & Planning

Westsun Energy was one of the first companies in Western Australia to offer a generation guarantee with solar systems. While the industry has since caught up, and competitors now provide service contracts with “performance warranties,” none have matched our commitment to client service.

Westsun Energy’s “All-in-One” service for solar installations offers comprehensive investment protection, including Maintenance, Reporting, Monitoring, and Performance Audits.

MONTHLY REPORTING

Clients receive a monthly report detailing system performance, environmental savings, and generation targets. This report also serves as a fault log, enabling our Service Department to identify any issues and document their resolution. If a fault impacts system performance, the client is promptly informed within the report.

SYSTEM AUDITING

A comprehensive performance audit is conducted at the end of each operating year, comparing actual generation against forecasted generation.

FUTURE PLANNING

When a storage solution is operationally beneficial but not yet financially viable, our Service Department will monitor tariffs and product costs, notifying your business when it becomes a practical option. Additionally, we can schedule larger installations in manageable sections and add storage to a solar system at a later stage.

IMAGE: MRL Kwinanna

Procurement

Westsun Energy delivers more than solar systems; we design energy solutions. By working with our clients on energy procurement, efficiency, generation, and storage projects, we deliver smarter solutions.

CAPEX

An outright purchase of a solar system delivers the strongest financial returns. For businesses who prefer to own, we back every CapEx system with 5 years investment protection.

UPFRONT COST: **100%**

TERM: **Customer Owned**

O&M: **Investment Protection**

SOLAR FINANCE

Solar Finance is the most popular procurement option in the commercial space because it results in a solar system paying for itself. Finance can be tailored to meet your financial objectives without an upfront outlay.

UPFRONT COST: **$0**

TERM: **5, 7, 10 Years**

O&M: **Investment Protection**

POWER PURCHASE AGREEMENT (PPA)

PPAs are the procurement method of choice for large corporations. With a PPA, WestsunEnergy will design, install and operate a solar system. The client buys the energy from Westsun Energy at an agreed rate that is lower than their retail energy rate.

UPFRONT COST: **$0**

TERM: **10, 15, 20 Years**

O&M: **Included**

IMAGE: Marleys Transport

Our Solutions

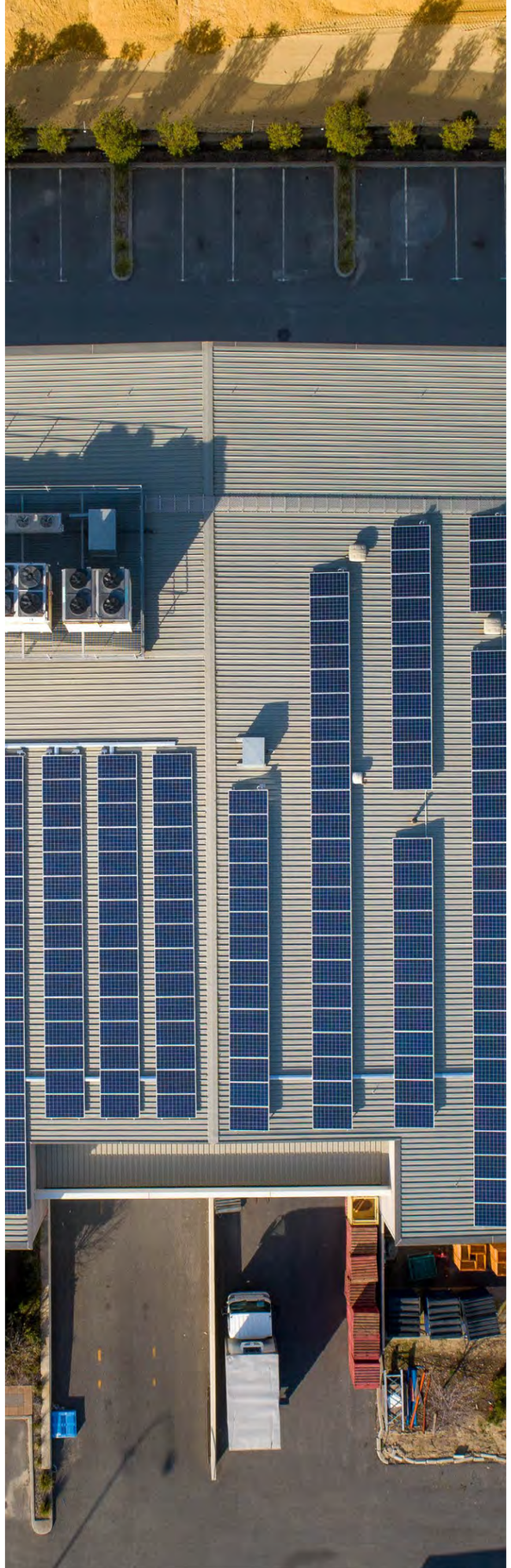
Westsun Energy delivers comprehensive energy solutions. We collaborate with clients on energy procurement, efficiency, generation, and storage projects to provide smarter, integrated solutions.

We handle the process from start to finish, delivering a complete, turnkey solution ready for you to start saving on your energy bills.

Our Solutions include:

- Rooftop
- Ground Mount
- Solar Car Shade
- Building Integrated Solar
- Grid Connected
- Storage

IMAGES:
Left - Jmark 100kw
Fronius System
Right - Holden, Wangara



Energy Solutions

ROOFTOP

Rooftop systems are safe, and easy to install and maintain. Transforming available roof space into an energy asset offers a simple and cost-effective solar solution with minimal disruption to business operations. Our team has installed over 1,000 rooftop solar systems across Western Australia.

GROUND MOUNT

Ground-mounted systems convert unused land into an energy source. Ideal for businesses with ample land or unsuitable roof space, these systems are efficient and easier to maintain at larger scales. We offer various ground-mounted solutions tailored to different applications.

SOLAR CAR SHADES

A solar car shade represents an advanced integration of solar technology. Rather than retrofitting, integrating solar into a car shade structure provides multiple benefits in a single solution. Solar car shades not only surpass other car shade structures in durability but also generate energy for adjacent buildings. These modular structures can be scaled to accommodate any size car park.

BUILDING INTEGRATED SOLAR

Building Integrated Solar transforms a space by combining architectural design with solar energy. Constructed from high-strength glass with varying translucencies, solar modules serve as both a roof and a finishing material that is aesthetically pleasing, renewable, and energised. Completely bespoke and uniquely tailored, we assist in the design and engineering of a building-integrated solar solution for your project.

Storage Solutions

GRID CONNECTED

All solar systems installed by Westsun Energy are battery-ready, making it easy to add storage to existing grid-connected systems. Storage systems are customised to align with the business's economic and operational goals. Our team has deployed storage solutions from major AC and DC battery manufacturers, and we can design a solution that integrates with existing electrical infrastructure.

Night-Time Operations

Store solar energy generated during the day, and deploy it at night when consumption is higher.

Peak Demand Management

Charge your battery with solar energy or during off-peak hours, and deploy it during peak demand periods.

OFF-GRID

High connection fees and ongoing costs often drive rural Australians to remain off-grid. Our team expertly designs and builds standalone solar and storage systems to efficiently power homes and businesses without grid connection.

Load Optimisation

ENERGY STORAGE SYSTEMS

Load optimisation adjusts and controls electrical loads to match supply efficiently, minimising energy waste and ensuring generation meets demand. In renewable energy, it optimises power use and manages energy storage (e.g., batteries) to balance supply and demand, preventing underutilisation or wastage.

ENERGY STORAGE SYSTEMS

In solar farms, excess energy is stored in batteries during high generation (e.g., sunny days) and discharged during low generation or peak demand, ensuring efficient energy use.

DEMAND RESPONSE

Load optimisation also includes demand response, shifting or reducing consumption during peak periods to prevent overloads, cut costs, and maintain a stable supply.

KEY DIFFERENCES

- **Load Sharing:** Balances loads across multiple units (e.g., inverters, generators) to prevent overloading.
- **Load Optimisation:** Adjusts loads in real time based on demand and supply for maximum efficiency.

Both are vital for stable, efficient power systems, especially in large-scale renewable projects.

IMAGES:
Left - Synergy Community Batteries
Right - BYD 176.8kwh Storage with Goodwe 100kw Solar PV

Embedded Networks, PFC & Energy Tariff

EMBEDDED NETWORKS

Utilising an embedded network can yield significant savings for commercial buildings such as apartment blocks, office buildings, and shopping centres. By aggregating usage across individual units and incorporating an embedded network, site owners can access the wholesale energy market for bulk electricity purchases.

POWER FACTOR CORRECTION

Enhance your solar savings with Power Factor Correction (PFC). Correcting power factor can improve power quality, crucial for efficient equipment operation. PFC systems use capacitors to offset inductive loads, such as motors, increasing power supply efficiency and delivering immediate electricity cost savings.

ENERGY TARIFF ANALYSIS

Our team analyses thousands of energy bills annually and engages with energy retailers in Western Australia.

We assess energy tariffs for businesses in specific locations, providing insights to negotiate better rates and terms. Our Energy Tariff Analysis equips clients with the information needed to secure optimal rates.

IMAGE:
Metsos, Canningvale

IMAGE: Perth Diving Academy

Case Study 1: VPP for Schools

Westsun Energy's Safe and Strategic Battery Installation in the Synergy Schools VPP Initiative

Westsun Energy, a leading Western Australian solar solutions provider, played a key role in delivering Synergy's Schools Virtual Power Plant (VPP) pilot project. This initiative aimed to integrate renewable energy systems—primarily solar panels and battery storage—across multiple schools within the South West Interconnected System (SWIS). By forming an aggregated network, the VPP enhances grid stability while providing schools with energy cost savings and valuable educational opportunities in sustainable energy.

Complexities of Safe Battery Installation in a School Environment

One of the project's most significant challenges was the safe and efficient installation of battery storage systems within active school environments. Westsun Energy prioritised safety at every stage, ensuring that lithium-ion battery systems met strict regulatory and safety standards. This required detailed risk assessments, stringent safety protocols, and close coordination with school administrators to minimise disruptions to daily operations.

Strategic Planning and Coordination

Installing a battery storage system in a school setting presented logistical challenges, including space constraints, electrical infrastructure upgrades, and compliance with fire safety regulations. Westsun Energy worked closely with project managers, school representatives, and Synergy to develop a clear, actionable plan. A series of site visits were conducted before project commencement to confirm scope, verify installation feasibility, and proactively address site-specific challenges.

To minimise disruption, the installation process was meticulously scheduled, with work often carried out outside school hours. This ensured a smooth and efficient implementation without interfering with daily school activities.

Delivering a Reliable and Future-Proof Energy Solution

Through expert planning and execution, Westsun Energy successfully installed the battery storage systems, ensuring seamless integration with existing solar infrastructure. The result was a robust, future-proof energy solution that not only strengthened the school's sustainability efforts but also contributed to the broader goals of the Synergy Schools VPP initiative.

Westsun Energy's commitment to safety, precision, and effective project management has set a benchmark for future school-based renewable energy projects, reinforcing its reputation as a trusted industry leader.

IMAGE: Synergy Community Batteries

Case Study 2: Mineral Resources Limited HQ Solar Installation

195.75kW Commercial Solar System – Osborne Park

Westsun Energy successfully installed a commercial solar system at Mineral Resources Limited's (MRL) 6-star green-rated headquarters, meeting stringent safety requirements with zero incidents throughout the project.

Key Challenges

- High-rise installation requiring specialised safety protocols
- Edge-of-building panel placement with significant wind exposure
- Integration with 6-star green-rated building systems
- Complex wind load calculations for edge mounting

Solution Delivered

- Implementation of a comprehensive safety management plan
- Custom mounting solutions for edge panels
- Detailed wind load analysis and structural certification
- Staged installation approach with continuous monitoring

Results

- Project completed on schedule
- Zero safety incidents
- Full compliance with MRL's safety standards
- System performing to specifications
- Enhanced building energy efficiency

Key Success Factors

- Rigorous safety protocols
- Advanced technical solutions
- Expert project management
- Regular stakeholder communication

This project highlights Westsun Energy's expertise in delivering complex solar installations while maintaining exemplary safety standards in challenging conditions.

IMAGE: Mineral Resources Head Office ,Sleat Rd Applecross

Mineral Resources Testimonial

MINERAL RESOURCES

ABN 33 118 549 910

20 Walters Dr, Osborne Park, WA 6017
Locked Bag 13, Osborne Park, WA 6017
P +61 8 9329 3600 **F** +61 8 9329 3601
W www.mineralresources.com.au

27 July 2022

To whom it may concern,

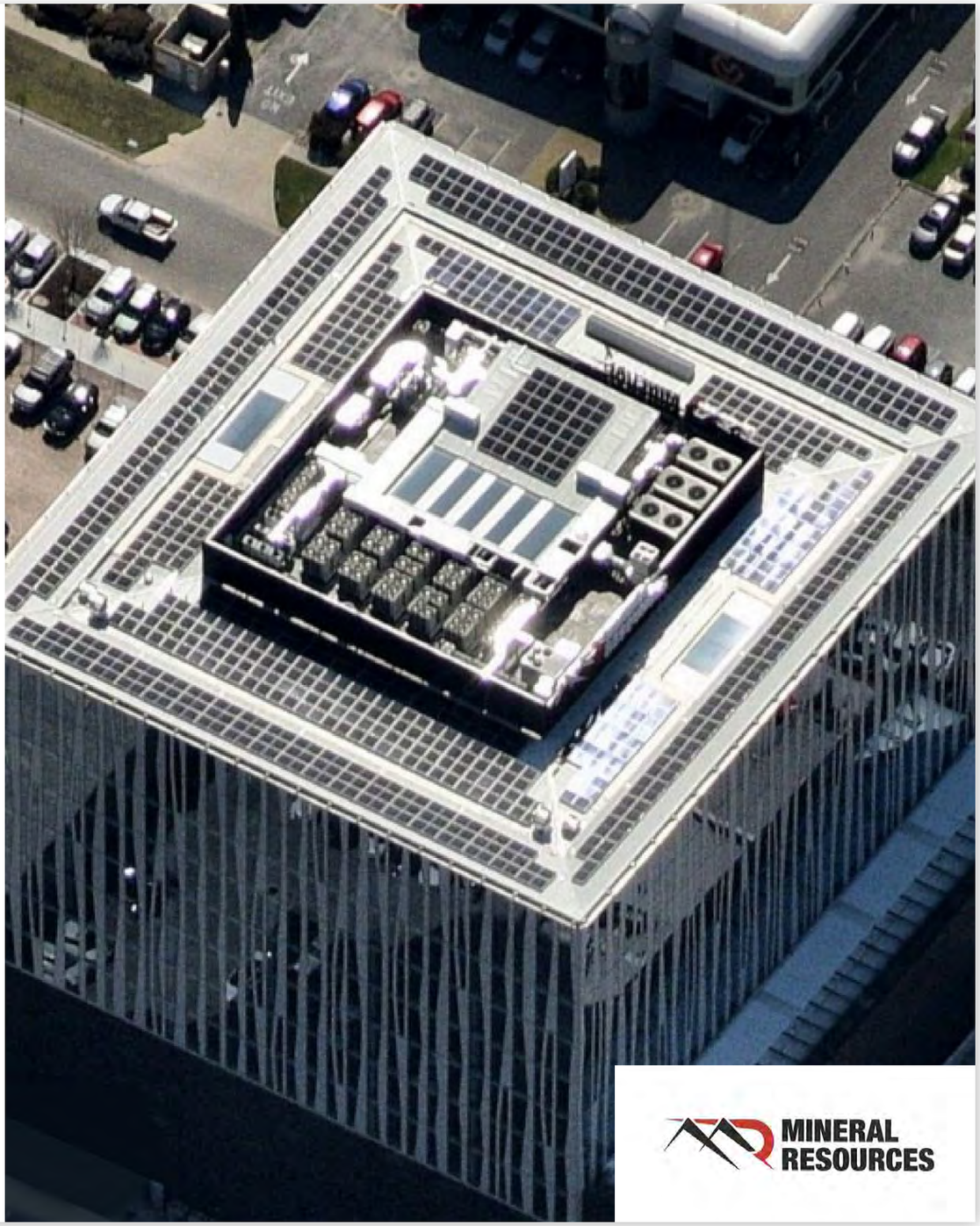
I can confirm that since 2017 WESTSUN SOLAR have successfully installed the following solar systems for Mineral Resources Limited.

1. 187kw system installed at the CSI Workshop, Lot 449 Mandurah Rd, Kwinana
2. 187kw Solar System installed at the PIHA Workshop, 14A Thorpe Way, Kwinana
3. 187kw Solar System installed at the Carbonart Workshop, 147 Barrington St, Bibra Lake
4. 120kw Solar System installed at MRL Head Office 1-7 Sleat Rd, Applecross
5. 100kw Solar System installed at CSI Workshop 27 Thorpe Way, Kwinana
6. 200kw Solar System installed at MRL Head Office 20 Walters Drive, Osborne Park

All of the above Solar Installations where installed without any incidents and to a high level of workmanship.
MRL would have no hesitation in using WESTSUN SOLAR in the future.

Regards,

Bob Gavranich
Executive General Manager Special Projects



Case Study 3: Veolia Waste Treatment Plant Bibra Lake

Westsun Energy successfully completed a major solar installation at Veolia's busy waste treatment depot in Bibra Lake. This project marked a significant step towards enhancing the facility's sustainability by integrating renewable energy into its operations.

Project Scope and Execution

The installation involved deploying 1,626 high-efficiency 550W solar panels, significantly reducing Veolia's carbon footprint and operational energy costs. Additionally, 9 Fronius Solar Inverters were installed and connected to custom-engineered Solar PV boards, designed, delivered, and installed by Westsun Energy to ensure seamless integration with the existing electrical infrastructure.

Westsun Energy managed the project's electrical design from start to finish, optimising energy distribution and efficiency to maximise performance.

Challenges and Strategic Planning

Executing a large-scale solar installation in an operational waste treatment facility posed unique challenges:

- Strict safety regulations and risk mitigation requirements
- Minimising disruptions to 24/7 operations
- Working within limited timeframes to avoid downtime

Careful scheduling of shutdowns was essential to maintain operational continuity. Through close collaboration with Veolia's operational teams and a structured project management approach, Westsun Energy developed a seamless workflow to mitigate risks and optimise efficiency.

Timely Completion with a Focus on Safety

Despite the demanding site conditions, the project was completed on time within an ambitious 10-week schedule. A key highlight was the achievement of zero safety incidents, reinforcing Westsun Energy's commitment to safety, risk management, and compliance with industry standards. Full edge protection was implemented, and all skylights were covered to prevent potential hazards.

Impact and Benefits

The successful completion of this project underscores the viability of large-scale renewable energy solutions in industrial settings. By reducing reliance on conventional energy sources, Veolia has taken a crucial step towards sustainable operations, setting a benchmark for similar facilities looking to adopt clean energy solutions.

Westsun Energy's expertise, strategic execution, and safety-first approach made this installation a resounding success, further solidifying its reputation as a trusted leader in the renewable energy sector.

IMAGE: Veolia Waste Treatmemnt Plant

Case Study 4: Western Power Forestdale Depot Solar Installation

Westsun Energy successfully delivered a cutting-edge solar energy system for Western Power's new Forestdale Depot.

This project played a crucial role in advancing Western Power's sustainability initiatives by integrating renewable energy into depot operations, reducing reliance on conventional power sources, and lowering overall energy costs.

Project Scope and Execution

The installation involved deploying a high-capacity solar photovoltaic (PV) system designed to efficiently meet the depot's energy demands. Westsun Energy worked closely with Western Power to ensure the system aligned with operational requirements and future energy goals, seamlessly integrating with the depot's infrastructure.

Challenges and Strategic Planning

Working within a newly constructed facility required precise coordination with multiple stakeholders, including:

- Engineers
- Site managers
- Electrical teams

Westsun Energy conducted thorough site assessments and collaborated with Western Power to ensure:

- Full compliance with technical and regulatory requirements
- Minimal disruption to operations
- Efficient project execution within established timelines

Commitment to Safety and Quality

As with all Westsun Energy projects, safety was a top priority. Strict safety protocols were implemented throughout the installation process, ensuring full compliance with industry standards and Western Power's operational guidelines. The project was completed without any safety incidents, reinforcing Westsun Energy's reputation for high-quality, risk-managed solar solutions.

Impact and Benefits

The successful completion of this project positions Western Power's Forestdale Depot as a leader in sustainable energy adoption. By integrating solar power, the depot now benefits from:

- ✓ Reduced energy costs
- ✓ Lower carbon emissions
- ✓ Increased energy resilience

Westsun Energy's expertise in large-scale solar installations, strategic project management, and commitment to sustainability were key to the success of this project, further solidifying its reputation as a trusted partner in the renewable energy sector

IMAGES: Western Power

ADCO Construction Testimonial

09 September 2022

ADCO CONSTRUCTIONS PTY LTD
ABN 46 001 044 391
LEVEL 5, 12 THE ESPLANADE
PERTH, WA 6000
08 9211 0800
ADCOCONSTRUCT.COM.AU

To whom it may concern,

Westsun Solar are currently completing a 1MW solar and battery storage project on the Western Power Forrestdale South Depot for ADCO Constructions.

Their service has been professional, and the workmanship has been to a high standard. It's evident that the tea, at Westsun takes pride in their work.

We would have no hesitations in using Westsun Solar for our solar solutions on future projects.

Kind regards,
ADCO Consutructions Pty Ltd

Travis Philson
Project Manager

Case Study 5: Cataby Solar Farm
DC Electrical Scope & Inverter Integration

The Cataby Solar Farm is a 9MW solar project in Western Australia, designed to supply clean, renewable energy to Iluka Resources' Cataby Mine.Featuring over 16,000 solar panels on single-axis trackers, this project required an extensive DC electrical infrastructure to ensure efficient energy conversion.

Westsun Energy was engaged to design, supply, and install the farm's DC electrical system, including connections to two 4.9MVA SMA inverters, playing a critical role in the site's renewable energy transition.

Scope of Work

- DC System Design & Installation – Westsun Energy designed a robust DC electrical system, strategically placing combiner boxes, protection devices, and wiring to maximise energy capture while ensuring compliance with all safety standards.
- Cable Management – High-quality DC cables were installed across the site with proper grounding, weatherproofing, and energy loss minimisation strategies to meet the project's stringent operational requirements.
- Inverter Connection – The 4.9MVA SMA inverters were vital for converting DC energy into usable AC power. Westsun Energy's electrical engineers ensured seamless integration between the DC system and the inverters through precise calculations and expert wiring design.
- Commissioning & Testing – A rigorous testing and commissioning phase was conducted, verifying optimal system performance, energy efficiency, and compliance with project specifications.
- Ongoing Support & Monitoring – Post-installation, Westsun Energy provided ongoing monitoring and technical support, ensuring long-term efficiency and performance of the solar farm.

Challenges & Solutions

- Inverter Integration – Connecting the 4.9MVA SMA inverters to a large-scale solar farm required precise engineering to prevent energy losses. Westsun Energy conducted detailed feasibility studies and used industry-leading equipment to ensure optimal energy flow.
- Weather Conditions – Harsh Western Australian climate (high temperatures and strong winds) posed a challenge. Westsun Energy implemented weather-resistant materials and reinforced all outdoor installations to withstand extreme conditions.
- Site Coordination – Given the scale of the project, collaboration with multiple contractors and stakeholders was essential. Westsun Energy maintained smooth project execution through regular site meetings and clear communication channels.

Results & Impact

- Efficiency & Performance – The DC electrical system and inverter connections were successfully implemented, creating a highly efficient solar energy system that significantly contributes to the Cataby Mine's energy needs.
- Environmental Benefits – The Cataby Solar Farm is projected to offset 30% of the mine's annual energy consumption, reducing reliance on fossil fuels and lowering the mine's carbon footprint.
- Long-Term Sustainability – With a durable electrical infrastructure and ongoing support from Westsun Energy, the solar farm is set to provide long-term renewable energy benefits to Iluka Resources.

Conclusion

Westsun Energy's expertise in large-scale solar projects was pivotal in the success of the Cataby Solar Farm. Through strategic DC electrical design, seamless inverter integration, and a commitment to safety and efficiency, Westsun Energy has reinforced its reputation as a trusted leader in the renewable energy sector.

The collaboration with Iluka Resources and the efficient energy output of the solar farm is a testament to Westsun Energy's capability in delivering high-quality, reliable renewable energy systems.

IMAGES: Cataby Solar Farm

1 Distinction Rd,
Wangara WA 6065

(08) 9303 9810

westsunenergy.com.au