

RASP

A U S T R A L I A



ENGINEERING & DESIGN CONSULTANTS
100% INDIGENOUS OWNED



COMPANY PROFILE

RASP Australia, is a fast growing Engineering and design firm in Australia, proud of its 100% Indigenous ownership. With a proven track record spanning over a decade, we have been delivering exceptional services to clients from various industries.

Having accomplished significant projects across Australia, Germany, Qatar, and Dubai, RASP has garnered a reputation for excellence and reliability. Our success is a testament to our dedication and commitment to quality engineering solutions.

At RASP Australia, innovation and diversity are at the core of our values. As a forward-thinking design and engineering firm, we specialize in a wide range of services catering to the Infrastructure, Mining, Power, and Architecture sectors. Our multidisciplinary approach ensures that we bring cutting-edge solutions to every project we undertake. Our team of experts is driven by a passion for excellence and sustainability. We pride ourselves on providing cost-effective and environmentally conscious solutions without compromising on the quality of our work.

At RASP, we believe in empowering local communities and fostering economic growth. Our work is completed 100% in Australia, making communication and quality our highest priority.





Power Engineering

Capability

Distribution Design:

- Design and modelling electrical distribution systems.
- Substation Design
- Load Assessments
- Network Analysis and modernisation
- Overhead and Underground Design
- layout and protection systems.
- Load flow Analysis

Power Automation Solutions:

- Design and Integration of automation systems
- PLC and SCADA
- Remote monitoring
- Control system design
- Energy management System (EMS) implementation

Transmission Design:

- High Voltage Line design
- High voltage network planning
- Tower and Pole Structure design and Analysis
- Grid modernisation
- Compliance Documentation

Project Highlights

Victoria's Renewable Energy Zones and
Transmission Infrastructure (TAS)
AECOM

Gabbro Port Unloading & Stockyard Facility
FLSmidth

Regional Reliability Initiative - Dongara
Feeder
Western Power

Woodman Point - Water Corporation
Integrate Alliance



High Quality



Industry Experts



Indigenous
Participation



Regional Reliability Initiative - Dongara Feeder



Gabbro Port Unloading & Stockyard Facility





Civil Engineering

Capability

Roads and Highways Design

- Pavement Design
- Alignment Design
- Intersection and Interchange Design
- Materials specifications
- As-Built Drafting
- Earthworks
- Reinforcement bar Modelling
- Rail Geometry

Drainage Design

- Stormwater management system design
- Flood modelling and mitigation planning
- Erosion and sediment control planning

Drafting and Modelling

- Production of detailed drawings and models
- Clash detection and resolution
- Visualisation and renders
- 3D Scanning
- Scanning to 3D Model

Project Highlights

LXR Design and Drafting
ARUP

Tonkin Gap - Main Roads WA
GHD

Village Bore field Upgrade
BHP Nickel west

North East Link Project
Synergy Alliance



High Quality



Major Project
Experience



Indigenous
Participation



Cranbourne Line Upgrade - Vic Bigbuild



Christmas Creek Fuel Farm Facility





Renewable Power

Capability

Solar Energy Solutions:

- Design and optimisation of Solar systems
- Feasibility studies
- Shading analysis.
- Integration of solar systems with existing power infrastructure.
- Site Selection
- Site Survey

Wind Energy Design:

- Site selection
- Wind resource assessment.
- Layout and micro-siting of wind turbines.
- Power output analysis.
- Integration with existing power infrastructure.
- 4D Planning

Battery Storage and Hybrid Systems:

- Design of battery energy storage systems (BESS).
- Hybrid system design combining solar, wind, and storage.
- Demand response and peak shaving solutions.
- Site selection
- 3D scan to 3D Model
- Project Management

At RASP, we recognise that renewable energy is not just a choice but an imperative for a sustainable future. As an Indigenous-owned company, we deeply understand the importance of caring for the land and honoring the environment for future generations. Renewable energy aligns with this commitment, offering a path to reduce carbon footprints, combat climate change, and preserve natural resources. By embracing renewable energy solutions, RASP supports a cleaner, greener future while fostering innovation and resilience in communities.



High Quality



Design and Construct



Indigenous Participation



Victoria's Renewable Energy Zones and Transmission Infrastructure

