

# El&C Engineering Capability Statement

Leading with bespoke engineering, delivering efficient solutions and harnessing seamless integration, safely.

## **REGOMS: Elevating Industry with Bespoke Design & Precise Engineering Solutions**

### VISION

Leading the industry with trusted, bespoke engineering solutions.

### MISSION

Delivering efficient, cost-effective engineering solutions, surpassing customer expectations in service, quality, and delivery. Thriving as a one-stop solution for both sales and service.

### PURPOSE

Connecting the right vendors and suppliers for optimal efficiency and cost-effectiveness.

### **GUIDING PRINCIPLES**

Safety Quality Integrity Innovation Professionalism Collaboration





## **REGOMS: Collaborating with Leading Australian Energy Firms**



We have the resources

## REGOMS: Quality EI&C Project Solutions with Customer-Focus

### **COMPLETE SOLUTIONS**

We excel in **end-to-end engineering**, prioritising **excellence** across industries. **Committed** to seamless project lifecycles, **ensuring** safety and compliance.

#### • Oil, Gas and Petrochemical

- Tank Farms and Storage
- Compressor Stations
- Gas and Oil Wells
- LNG and CNG Facilities
- Loading and Unloading Facilities
- Fuel Depots and Petrol Stations
- Chemical Processing Facilities

#### • Water, Wastewater and Sewage

- Pumping Stations
- Water Treatment Plants
- Sewage Treatment Plants
- Dams and Weirs
- Pumped-Storage Hydroelectricity
- Water Metering/Monitoring Systems
- o Water Quality Systems

- Power, Generation and Distribution
  - Diesel powered Generation
  - Gas fired Generation
  - Emergency Power and Black Start Systems
  - Battery and UPS Systems
  - Hybrid Energy Systems
  - Island and Grid Connected Power Stations
  - o Substations
  - Switchgear and Transformers
- Advanced Analytics and Monitoring
  - Data Storage and analytics
  - o 'Digital Twin' models
  - Machine Learning and Custom Training AI Training.
  - Real-time & Predictive Analytics and Reporting
  - Process Optimization



## **REGOMS: Mastering Engineering Challenges:** Our Experts Deliver **Solutions**

**Distinguished by our Expertise:** Our seasoned, Chartered, and Certified Engineers guarantee unwavering safety, quality, and efficiency from project initiation to completion.

#### Our certifications include:

- RPEQ/CPEng/NER Professionals (Electrical),
- Functional Safety Professionals (SIL, IEC/AS 60508/61511),
- TÜV (Rheinland/SÜD)
- Hazardous Area Classifiers and Designers (IEC/AS 60079), and
- Certified Hazardous Area Auditors and Inspectors (QLD).
- PMP and PRINCE2 (Project Management)

**Collaborating** with key partners, we extend capabilities to Process and Mechanical Engineering in Australia.

#### Key Engineering Services:

- **Professional Oversight**: RPEQ/CPEng/NER Engineering Reviews, Supervision, and Certification.
- **Hazardous Area Expertise**: Certified Hazardous Area Classification, Design, Auditing, and Inspection (AS 60079).
- Voltage Design: HV, LV, and ELV design for various electrical systems.
- Safety Studies: Arc Flash, Fault Studies and Risk Assessments
- **Modelling for Optimization:** Power System Modelling for efficient design and operation.
- **HV Management**: HV Switching, Auditing, and Training for high-voltage systems.
- **Grounding and Protection**: Earth Grid Design, Lightning Protection.



## **REGOMS: Global Engineering Solutions Provider**

### **KEY PROJECTS (2023)**

#### **Electrical Engineering - Puma**

Empowering Puma Sites Nationwide with Extensive Engineering Design & Support by REGOMS; supporting the electrical O&M Uplift program through high-quality services.



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#### **Renewable Energy – Entyr Ltd**

Driving Innovation in Renewable Energy: REGOMS Spearheads Comprehensive EI&C Projects for Entyr Pty Ltd, Encompassing FDS Reviews, PLC and SCADA Design/Programming, and Onsite/Remote Commissioning activities.

#### **Elevating Safety Standards - Puma**

REGOMS has successfully delivered Arc Flash Study & Risk Assessments, pinpointing critical electrical hazards at Puma Bitumen Terminals. Our findings propel the implementation of robust mitigation strategies, aligning operations with industry standards for an enhanced safety landscape.





## **REGOMS: Global Engineering Solutions Provider**

#### KEY PROJECTS (2023) – continued

Functional safety Assessment for QAL - Rio Tinto

REGOMS marked a significant achievement by completing Stage 4 Functional Safety Assessment for QAL-RIO TINTO Digestors. This critical assessment ensures seamless alignment with Safety Requirement Specifications during the Operation and Maintenance phase, exemplifying our commitment to top-tier functional safety practices.

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#### **RPEQ Services - NVMS & Evo Energy**

REGOMS has provided electrical engineering expertise with RPEQ review and signoff for NVMS (Ampol FF project) and EVO Energy (Bowen Chiller), ensuring precision and compliance to AS/ANZ standards.

#### **Empowering Renewable Projects - YURIKA** REGOMS provided robust 375-750kVA Gen sets to

YURIKA Solar Farms (Wellington Project, NSW & Wunghnu Project, VIC) and Wind Farms (Maclyntyre & Wambo Projects, QLD).





**Elevating Safety Standards – Various Clients** In 2023, our certified Hazardous Area Classifiers have successfully completed challenging projects for EVO Energy, LC Water, and I.E BJUGAARD & N LOGAN Pty Ltd.



#### For more details, reach out to us at:

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