

# STRATEGIC ENGINEERING



- ✓ ASSET MANAGEMENT
- ✓ NETWORK CONNECTIONS
- ✓ DEVELOPMENT & DESIGN

*Australian Power Industry Partners deliver 'turn-key' high voltage transmission and distribution electrical solutions.*

## ENGINEERING AND STRATEGIC SOLUTIONS FOR HIGH VOLTAGE ASSET OWNERS AND OPERATORS

Australian Power Industry Partners (APIP) are High Voltage Electrical Transmission and Distribution Specialists.

We hold capabilities in Asset Management, Network Connections and Project Development and Design. Assisting our clients in all facets of their electrical supply requirements, from Project Conception, HV Network Connection, Design Construct and Test (DCT), and Life-Cycle Management of our client's High Voltage Assets.

Partnering with our clients, APIP's Strategic Engineering Group focus on achieving the most optimal engineered solution and business outcomes.

Electrical supply networks have unique technical and regulatory requirements that necessitate specialist understanding and experience to achieve the most optimal project delivery.

APIP's experience in industry standard practices ensures compliance with the relevant legislation and the National Electricity Rules (NER).

We encouraged our people to identify improvement opportunities outside standard practices to deliver real business benefits.

We work with suppliers, associates and the Network Service Providers (NSP) to achieve client's project milestones and delivery timeframes.

APIP is focused on providing innovative strategic asset solutions delivering long-term, cost-effective, safe and environmentally responsible outcomes for our clients.



## ASSET MANAGEMENT

Australian Power Industry Partners are dedicated to delivering the most optimal whole-of-life energy asset solutions.

An AMS is increasingly seen as an operational necessity to optimize and prolong the life and utilisation of new and existing assets.

The APIP Asset Management team deliver tailored asset solutions specific to the power industry that recognize the unique operating environments and business objectives of each one of our customers.

APIP develops Asset Management Systems (AMS) in alignment with PAS 55 and the ISO 55000 family of standards, capable of being integrated within existing business systems to remove duplication and improve ease of use.

APIP Asset Management Services deliver:

- Controlled Life-Cycle Costs;
- Continuous Improvement;
- Reduce Unplanned Disruptions;
- Increased Asset Availability;
- Improved Network Reliability; and
- Optimised Works Delivery.

APIP Asset Management activities include:

- Development and Implementation;
- Compliance Auditing and Performance Reporting;
- Maintenance Planning and Works Scheduling
- Maintenance Systems Auditing and Performance Reporting.
- Sustainable Asset Improvements; and
- The development of Asset Management Standards.



## NETWORK CONNECTION IS ONE OF THE MOST CRITICAL FACETS IN A PROJECTS DELIVERY

### NETWORK CONNECTION

Australian Power Industry Partners manage Electrical Supply Network Connections to achieve an accelerated delivery program in alignment with supply requirements and timetables.

Due to the scarcity of resources lengthy delays can be experienced in establishing an electrical network connection. APIP's specialist, highly skilled and experienced workforce addresses such obstacles.

The APIP Network Connection team delivers:

- High Voltage (HV) Electrical Connection Strategies;
- Technical and Regulatory Compliance Reviews;
- Due Diligence on Electrical Network Connections;
- Network Stability and Load-Flow Studies; and
- Connection Reviews and Design Assessments.

### DEVELOPMENT AND DESIGN

Australian Power Industry Partners perform project due diligence, feasibility studies and conformance reviews to ensure compliance with technical, legislative and commercial requirements.

APIP project development services are complimented with our engineering design capabilities:

- Conceptual Design Solutions;
- Substation and Switchyards;
- Power Lines and Circuitry;
- Site, Building and Structures;
- Communications & Control; and
- Protection & Measurement.

*Australian Power Industry Partners*

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