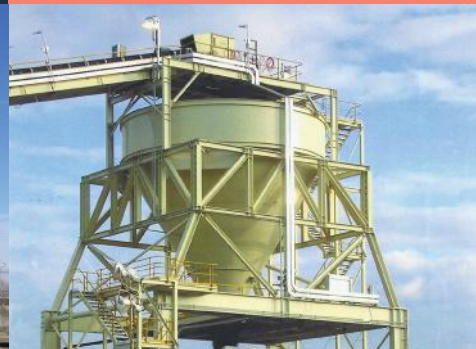




**PHRONIS**  
CONSULTING

**ELECTRICAL,  
INSTRUMENTATION,  
AUTOMATION &  
COMMUNICATIONS**  
**Infrastructure**



**MINING | TRANSPORT | HYDROCARBONS | ENERGY | RAIL & PORT**

# PHRONIS CONSISTENTLY APPLIES INNOVATIVE THINKING & PRACTICAL KNOWLEDGE TO FIND THE BEST SOLUTIONS TO SUIT OUR CLIENT'S REQUIREMENTS

## STATE OF THE ART

- Cloud-based organisation
- Globalisation services
- Leading tools & software
- Mixed cultures and languages
- Client Feedback  
"Smooth Professionalism."  
"This is exactly what we wanted."
- Innovative technical outcomes  
*i.e. world record conveyor lengths*

## AREAS OF EXPERTISE

- Fast moving goods
- Materials handling
- Mining and quarries
- Road, rail and ports infrastructure
- Bridge and tunnel design
- Design verification
- Tender assessment
- Asset Management
- Condition assessment
- Independent verification
- Innovation

## CURRENT PROJECTS

- **Olive Downs Complex** – Planned 14Mtpa of coal product. CHPP, TLO, MIA, WTP, STP, Rail spur line, Telecommunications, Mobile phone coverage, Pipelines and associated infrastructure  
**\$1B Pembroke**
- **Kwinana Waste to Energy** – 36MW of grid connected green energy generation. 400K tonnes of waste processing every year  
**\$700M Acciona**

## PROJECT EXPERIENCES OF THE TEAMS

- Berrybank Windfarm Substation
- Chichester 60MW Solar Farm
- Peabody Energy CHPP Upgrades
- Port of Brisbane Expansion Project
- Wiggins Island Rail Project
- Unitywater Kawana Sewage Treatment Plant
- City of Gold Coast Recycled Water Effluent Project
- Southern Downs Regional Council Water Treatment Plant Warwick
- QGCLNG Northern Water Treatment Plant
- Bundamba Advanced Water Treatment Plant
- Senex Energy Geotechnical Investigation & Concept Design
- CS Gas Dewatering Separators
- APLNG Upstream Development Wellheads & Gas Gathering and Gas Compression Stations
- Santos Roma Hub Expansion Project
- Arrow Bowen Pipeline FEED Study
- Kogan Creek Power Station
- Tarong Powerstation Ash & Seismic Upgrades
- Millmerran Power Station & External Infrastructure and Water Supply Pipeline
- Peabody Wilpinjong Coal Mine Expansion
- Wesfarmers Curragh Nth Overland Conveyor & CHPP
- Millmerran Coal Mine Infrastructure
- Parramatta Rail Link Sydney

## FEASIBILITY

- Client representation
- Cost estimates
- Risk assessments
- Strategic planning
- Studies and options
- Project planning and management
- Environmental advice

## DESIGN

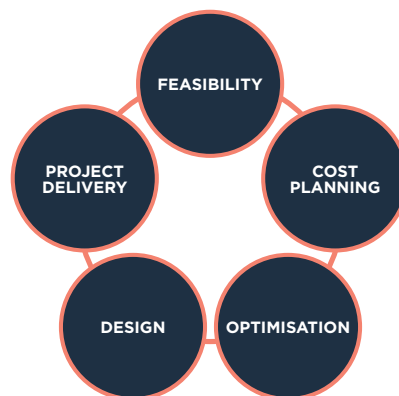
- Electrical, Process, Mechanical, Structural and Civil
- Development of project drawings and documentation
- Project design and construction management

## PROJECT DELIVERY

- Project Management
- Owner's team - technical & contractual advice
- Delivery strategy, team design and program scheduling
- Project planning and budgeting
- Project resources and costs optimisation

## OPERATIONS

- Operational review and assessment
- Process optimisation
- Supply chain and cost efficiency
- Environmental investigations
- Vibration, noise and acoustics assessment and monitoring



Phronis Consulting is proud to partner with the following companies:



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