



Qubist Complex Project Capability Statement

Providing decision-makers with accurate and commercially astute advice.

Qubist Pty Ltd is an advisory business that provides expertise to clients with utility, infrastructure and process plant assets. We help clients create greater value, new possibilities and superior outcomes for their assets and organisations.

Qubist provides solutions across the entire project lifecycle. We understand the specific challenges involved in running an organisation and call upon decades of industry experience to assist our clients – ensuring strategic, practical and commercially orientated results.

Our clients include private and public sectors, government agencies, contractors, and legal organisations

Qubist Approach

Qubist provides services and deep domain expertise across the entire business life cycle for complex assets including those within the transport, resources, defence and process industries. Qubist understands the specific commercial, technical and collaboration challenges involved in complex projects, including technology adoption and systems integration. We call on decades of hands-on systems engineering, project and business experience to provide informed advice to our clients and ensure strategic, practical, commercially oriented solutions.

To provide the greatest value for our clients, Qubist services cover the full suite of strategic advisory services in developing and operating assets and businesses, existing or envisaged. Our clients include private and public sectors, government agencies, contractors and legal organisations.

Our Services Cover

- Business case development and decision analysis
- Complex system management and leadership
- New technology maturity assessment, selection, adoption and deployment including R&D
- Complex systems management including specification, development integration, interface management and test and evaluation
- Strategic asset management
- PMO frameworks, development, project controls and implementation
- M&A technical and commercial due diligence
- Project/program procurement strategy and transaction management including but not limited to D&C, DCOM, PPP, collaborative, contestability and performance-based arrangements
- Contract commercial management/negotiation and contractual services
- Project and program delivery management and leadership for complex infrastructure assets
- Recovery of distressed projects – including assessment and recovery plan leadership and implementation
- Operations and maintenance – commercial and technical
- Cost and benchmarking
- Risk quantification and management
- Advanced analytics and modelling
- Operational readiness – planning and assessment



Prior Experience of Individuals in our Team

Qubist's team is widely experienced in providing advisory services on projects at all stages of the project lifecycle. We have provided strategic, commercial and project management advice to Australian and international organisations and asset owners.

Below is a small sample of our advisory experience for different sectors.

Sector	Our capability
Rail	<ul style="list-style-type: none"> Project and commercial management for the implementation of European Train Control System in NSW (Automatic Train Protection Program) Procurement, commercial and project management for a fully automated major rail coal unloader using telemetry and advanced train control Train station operation readiness and commercial Support during the completion phase
Power (Conventional, Renewable and Nuclear)	<ul style="list-style-type: none"> Business case and project development support for innovative solar thermal energy projects Business case, development, construction and operation of advanced nuclear research reactors and development of advanced nuclear power plants concepts Due diligence for wind farms and solar thermal projects Due diligence for the poles and wires long term lease of NSW power networks
Building	<ul style="list-style-type: none"> Development of and advanced design management systems (Design Matrix System) and process to optimised design and increase productivity based on software development from MIT and Imperial College (UK) Adept Development of advanced BIM systems for complex projects
Defence	<ul style="list-style-type: none"> Complex projects commercial and project management Requirements development, specification and implementation of combat systems and platform systems development, test and evaluation and training facilities
Roads	<ul style="list-style-type: none"> Business case, procurement and project development including commercial management for motorway fire systems which included the deployment of new technology in NSW Business case support and procurement of tolling systems for NSW roads authority Complex systems management including operational readiness support for the implementation of the first advanced tidal flow system in Australia Cost estimation, costing and other support for a motorway tunnel air filtration pilot Operational readiness, asset management and development support for a high frequency integrated bus transport system including expansion of dedicated bus lane networks, intelligent transport technologies and carparks
Mining, Oil and Gas	<ul style="list-style-type: none"> Business case, project development and management including development of R&D, manufacturing, integration and testing of an underwater geotechnical remote operating device to provide geotechnical services up to 3,000m deep for the oil and gas industry Due diligence, business optimisation for the 25 Mtpa iron ore project which feature the world longest pipelines developed to date