



Engineering Services

Specialist cost management services

Our approach

Davis Langdon specialises in the cost and value management of engineering services. We operate as an independent and objective specialist cost consultant to deliver value for money outcomes that meet all stakeholder objectives for clients. These may not be capital cost alone.

Our team

Our team offers unique strategic support throughout the project's life cycle, placing us at the forefront of engineering services cost management. The complex technologies associated with engineering services systems can make it difficult to properly assess a complete, or incomplete, design and accurately price it, unless the cost consultant is also an engineer who understands such systems.

Davis Langdon has developed a specialist knowledge of costs and specifications for building engineering services, infrastructure projects and refrigeration installations by employing our own cost managers who are technically trained in

mechanical and electrical engineering either by way of contracting or professional consultancy background.

Our uniqueness provides:

- > depth of experience across a wide range of sectors
- > in-house engineering, project and cost management skills
- > innovative processes
- > market knowledge
- > proven track record
- > documentation written in a way that our clients and engineers equally and easily understand
- > cohesive thinking

Our service

Our services are designed to influence, determine and develop key objectives whilst balancing the time, quality and value for money imperatives – leading to improved and sustainable profitability for developers, investors, owners and occupiers. Our range of services include:

Concept, evaluation and benchmarking:

- > validation of client objectives
- > developing user & stakeholder needs
- > benchmarking cost, design & quality

Engineering support:

- > client support on technical issues
- > full design critique and advice
- > design reviews, audits and verification
- > feasibility studies
- > option studies analysis of alternate solutions
- > advice on sustainable energy solutions
- > asset management advice
- > condition surveys
- > performance specifications
- > building performance ratings and recommendations
- > dispute resolution and expert witness

Engineering services cost management:

- > cost planning, modelling and management
- > early and accurate cost advice – with or without an engineer's appointment
- > whole of life and life cycle costing
- > risk management
- > value management
- > strategic procurement advice including framework agreements
- > hard facilities management cost advice
- > pro-active supply chain management
- > cost effective design solutions
- > quantification of engineering services – bills of quantities
- > quantitative analysis – technical and financial
- > tenancy advice

Sustainability:

- > strong, influential industry relationships
- > Green Star accredited professionals
- > NABERS/energy, water, waste and indoor environment assessors
- > cost effective sustainable designs
- > cost advice on sustainable solutions

Davis Langdon – independent advisors to property & construction:

Project Management | Cost Management | Building Surveying | Urban Planning | Specification Services | Infrastructure Verification Services
 Technical Due Diligence | Property Performance Reporting | Make Good Assessments | Certification Services | Sustainability Services

Sector experience

With over 55 years experience and operating in every state and territory in Australia and New Zealand, Davis Langdon's clients can have the confidence of knowing the depth and breadth of our project experience is unparalleled.



Defence

Hardened & Networked Army, RAAF Edinburgh, South Australia – \$630M

The HNA project is the result of careful forward planning by the Department of Defence and will be completed in 2012. This \$630M development will accommodate an entire mechanised infantry brigade.

Other Defence projects:

- › Single LEAP housing, Holsworthy, NSW
- › 1st Aviation Regiment, Robertson Barracks, NT
- › Helicopter Simulator Building, NT
- › Defence Support Maintenance, Tas
- › LEA Relocation Project, Vic



Research Facilities

Neuroscience Facilities, Victoria – \$200M

The Florey Neuroscience Institute in conjunction with the Mental Health Research Institute and the University of Melbourne are constructing two new purpose-built, state of the art facilities at the University of Melbourne's Parkville Campus and Austin Hospital in Heidelberg. These world class facilities are designed to further neuroscience research.

Other Research Facilities projects:

- › The Alfred Centre, Vic
- › Bioscience Precinct, Qld
- › Australian Institute of Bioengineering and Nanotechnology, Qld



Retail

Coles Group

Davis Langdon regularly provide cost management and support for pre and post contract engineering services and refrigeration supply and installation. This is provided through a nationally agreed framework.

Other Retail projects:

- › Westfield Shopping Complex, WA
- › Marina Mirage Shopping Centre Complex, Qld
- › Orion Shopping Centre, Qld
- › Tea Tree Plaza, SA



Health

Royal Brisbane Hospital (RBH), Queensland – \$500M

RBH is one of the principal tertiary teaching hospitals in Queensland. The Herston Hospitals Complex Redevelopment Project to upgrade the existing facilities was part of the states 10 year hospital rebuilding program. Overall the project comprised 120,000m² of new hospital buildings.

Other Health projects:

- › Gosford Hospital campus extension, NSW
- › Dandenong Hospital Redevelopment Stages 1, 2 & 3, Vic
- › The Royal Prince Alfred, NSW
- › Austin Repatriation Mercy Redevelopment Project, Vic



Commercial/Fit-out

Global Switch Data Centre, New South Wales – \$170M

Global Switch in Sydney provides 40,000m² of carrier neutral collocation space. The Data Centres are specifically designed to house and protect mission-critical ICT equipment. IT space has access to multiple carriers and service providers, 24/7 security, diverse power supplies, environmental control and endless scalability.

Other Commercial/Fit-out projects:

- › Deloitte Melbourne Relocation, Vic
- › Green Building Council Australia fit out, NSW
- › South East Stadium Precinct, Vic
- › Telstra Project 770, Clayton, Vic