



CLIENTS | PEOPLE | PERFORMANCE

DEFENCE



GHD IS AN INTERNATIONAL PROFESSIONAL SERVICES COMPANY. OUR PEOPLE DELIVER INNOVATIVE SOLUTIONS BY COMBINING TECHNICAL SKILL AND EXPERIENCE WITH AN UNDERSTANDING OF OUR CLIENTS' OBJECTIVES AND ASPIRATIONS.

The defence environment is changing. New challenges emerge daily and the threats are dynamic and ever evolving. Operations are carried out with increasing global interaction where systems are critical, facilities essential and equipment reliability vital.

GHD has long-standing relationships with clients in the global Defence sector, and has delivered various services, including capital works programming, for many decades.

We are also developing business opportunities in New Zealand, Malaysia and the Middle East, and are broadening our offerings in areas such as defence capital equipment procurement and training.

PROJECT MANAGEMENT

At GHD we focus on solutions by delivering projects that meet client objectives, on time and within budget. This is done from the outset by bringing together project-specific teams with a shared understanding and focus on the aims of the project. Such emphasis provides a successful project foundation, supported by a commitment to achieve budget targets and time constraints.

PROCUREMENT AND CONTRACT MANAGEMENT

Our consultants have experience and capability in the development of acquisition strategies and plans, and have contributed to the development of tender documentation, including evaluation and the review of contracts for various clients in the public and private sectors.

We help our clients to develop consistent products, and ask the right questions to solicit the relevant response to allow us to deliver the best solution.

ENGINEERING

GHD has a strong background in the specification, design, installation, test and delivery of electronic systems, sub-systems and software used in the control, computation, monitoring and data reporting for various industries. This background and strong reputation has been earned through the application of experience in large, high value, complex infrastructure, buildings, strategic facilities, national capabilities, and delivery systems in the power, communications, aerospace, maritime, transportation, environmental, and logistics arenas globally.

INTEGRATED LOGISTIC SUPPORT

GHD assists clients in the application of modern business and systems engineering philosophies. Achievement of lower life cycle costs for new acquisitions can be attained by application of logistics engineering principles such as:

- ▶ Reliability, availability and maintainability
- ▶ Inventory management planning
- ▶ Logistic Support Analysis (LSA)
- ▶ Training and training needs analysis
- ▶ Maintenance requirements
- ▶ Spare parts assessment and analysis
- ▶ Technical publications





PLANNING AND ENVIRONMENT SOLUTIONS

SITE REHABILITATION

Applying our capability in radiation safety procedures, GHD undertook the investigation, detailed design and documentation of the AUD108 million clean up of radioactive contamination from British nuclear testing in South Australia. GHD supervised the site operations, including collection and burial of contaminated soil and the insitu treatment of contaminated debris pits, in accordance with comprehensive radiation safety standards. For this project GHD was awarded the 2000 Australian Institute of Project Management – National Project Award.

FACILITIES DESIGN AND PROJECT MANAGEMENT

MARITIME

GHD is an active player in specialised maritime facilities. At HMAS Stirling in Western Australia, GHD has developed such facilities as a fuel farm, operations centre, warehousing, medical centre and accommodation. Specialist training facilities include a flight deck procedural trainer, clearance diving team facility, and a submarine escape training facility.

AVIATION

GHD has a long history in the successful development of facilities for the RAAF. From specialised master and ordnance planning through to design and delivery management, GHD continues to support air capability. Bases developed include:

- ▶ RAAF Tindal, a permanent fighter base in the Northern Territory;
- ▶ The 'bare forward base' RAAF Scherger in the harsh North Queensland environment; and
- ▶ The support of rotary aircraft operations and maintenance in Townsville.

LAND FORCE

GHD has supported a range of land force facilities development. A notable example is the masterplanning and elements of detailed design for Australia's mechanised brigade based in Darwin. This recently completed green field development included accommodation, training, headquarters, logistics and medical facilities.

SECURITY

GHD provides specialist Type 1 and commercial security consulting services to Defence throughout Australia and overseas. The group operates as a discrete team undertaking projects with the immediate support of GHD's global network and systems. All staff have current, appropriate security clearances. Our security management services include:

- ▶ Total organisational risk;
- ▶ Due diligence;
- ▶ Security risk;
- ▶ Information technology risk;
- ▶ Security audits; and
- ▶ Compliance risk.

SERVICES

- ▶ Strategic, project and procurement management
- ▶ Maintenance engineering analysis
- ▶ Specialist ILS services
- ▶ Technical writing and publications
- ▶ Specialist engineering services
- ▶ Blast resistant design and weapons storage
- ▶ Air, land and maritime forces facilities
- ▶ Structured communications systems
- ▶ Master, airfield and explosive ordnance planning
- ▶ Contaminated sites including nuclear, radiological, UXO and hazardous materials
- ▶ Security systems and structures
- ▶ Risk management and assessment

DEFENCE MANAGEMENT SERVICES

GHD enjoys a long-standing and productive association with Defence in the delivery of professional services. During this time we have travelled with Defence throughout the evolution and refinement of policies, procedures and practices, and associated business strategies.

Our people are dispersed across Australia and around the world.

GHD adopts a team approach to the delivery of our services – one that brings together the knowledge and experiences of both GHD and our clients to achieve successful outcomes.

A FOCUS ON YOUR NEEDS

GHD has a global pool of talented professionals with technical and management experience. Our clients have the opportunity to access our specialists as, and when, required rather than increasing their resources permanently.

Services can be packaged utilising our global skill base. We deliver from individual studies through to complete procurement and project management, where a whole project or capability can be specified, designed, coordinated, supervised and managed by GHD.

OUR BUSINESS

GHD employs over 4,500 people in a network of offices throughout Australia, New Zealand, Asia, the Middle East, the Americas, and the United Kingdom.

Central to our clients' prosperity and GHD's success are forward-thinking architects, engineers, drafters, planners, scientists, management consultants and economists.

GHD embraces the values that have sustained the company since inception – Teamwork, Respect and Integrity.

GHD was established in 1928 and today, is ranked in the world's top 30 engineering and architecture companies. We are committed to our clients and their stakeholders, being a responsible corporate citizen and improving the quality of life around the globe.

OUR ENVIRONMENTAL COMMITMENT

At GHD we understand that our clients seek to work with professional advisors who operate in an environmentally responsible manner.

GHD's Environmental Management System (EMS) aims to protect the environment from the potential impacts that may result from our office activities and from the projects we deliver.

The EMS was accredited in June 2005 to international standard ISO 14001 by NATA Certification Services International (NCSI).



ABOUT GHD

GHD is an international professional services company. Our people deliver innovative solutions by combining technical skill and experience with an understanding of our clients' objectives and aspirations.

With more than 6000 people in a network of 100-plus offices throughout Australia, New Zealand, Asia, the Middle East, the Americas and Europe, we serve clients in the global market sectors of infrastructure, mining and industry, defence, property and buildings and the environment.

Central to our clients' prosperity and GHD's success are forward-thinking engineers, architects, planners, scientists, drafters, project managers, economists and supporting staff. Our people embrace the core values that have sustained the company since inception – **Teamwork, Respect and Integrity.**

Established in 1928, GHD is ranked as one of the world's leading engineering, architecture and consultancy firms. We are dedicated to our clients and their stakeholders, to being a responsible corporate citizen and to improving the quality of life around the world.

We contribute to the goals of sustainable development and are committed to managing the social, economic and environmental impacts of our operations and assisting our clients to manage theirs in the provision of our technical consulting services. We recognise innovation as the key to realising this objective.

As a member of the World Business Council for Sustainable Development (WBCSD), GHD actively participates in the public debate on the role business has to play in managing climate change, energy, development and ecosystems.

GHD operates under a Practice Quality Management System that is certified to AS/NZS ISO 9001:2000 and our Environmental Management System (EMS) is accredited to international standard ISO 14001 by NATA Certification Services International (NCSI).

For more information, visit www.ghd.com.au



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