



CLIENTS | PEOPLE | PERFORMANCE

GHD IN THE NORTHERN TERRITORY



GHD is one of the world's leading engineering, architecture and environmental consulting firms. Established in 1928, GHD employs more than 6,000 people across five continents. Wholly-owned by its people, GHD is focused exclusively on delivering sustainable outcomes to communities and clients in the global markets of water, energy and resources, environment, property and buildings, and transportation.

For over 50 years, GHD Northern Territory has focused on developing client relationships into 'working partnerships' by demonstrating a full understanding of our clients' business needs.

GHD IN THE NORTHERN TERRITORY

GHD has been established with continuous operation in the Northern Territory for more than 50 years and has played an integral role in its development during this time. GHD services the Northern Territory from our Darwin office, which has a resource base of over 50 people.

Our substantial depth of personnel in the Northern Territory reinforces our ability to deliver major projects with local resources, whilst maintaining access to GHD's global capabilities.

GHD Northern Territory provides a comprehensive range of services to both public and private sector clients. We have extensive experience covering both urban and remote areas of the Territory.

OUR COMPANY

Wholly-owned by its people, GHD is focused exclusively on client success. Our network of forward-thinking engineers, architects, planners, scientists, project managers and economists collaborate to solve client challenges and improve the lives of communities.

Today, GHD is committed to delivering comprehensive, leading and integrated services in:

- ▶ Buildings and Structures
- ▶ Defence
- ▶ Energy and Power

- ▶ Environment
- ▶ Geotechnical and Dams
- ▶ Management Services
- ▶ Planning
- ▶ Plant and Process
- ▶ Transportation
- ▶ Urban Development
- ▶ Water

Clients across all sectors benefit from the multi-disciplinary resources available through our network of offices.

OUR EXPERIENCE

GHD assembles project teams to meet each client's needs – from individual specialist services on small projects through to complete delivery of major facility and infrastructure projects.

FRANCES BAY ZONE SUBSTATION

GHD undertook the Project Management, detailed design and construction services for the Frances Bay Zone Substation, a new, fully indoor 120MVA 66/11kV Zone Substation for the Darwin CBD. The commission included works at the existing 11kV Switching Stations and City Zone Substation, the design and documentation of the substation building, zone transformer, 11kV Switchboard and the remainder of the primary and secondary systems within the substation.

EAST ARM PORT FACILITIES MASTERPLAN

GHD prepared a Facilities Masterplan and Staged Development Plan for managing land and sea-based activities at East Arm Wharf to the year 2030. The land use plan combined economic analysis of current and future trade indicators, port-related infrastructure, land use planning and environmental considerations.



Frances Bay Zone Substation



East Arm Port



Traeger Park Grandstand, Alice Springs

BEN HAMMOND COMPLEX REDEVELOPMENT INCORPORATING THE NT'S FIRST 4 STAR GREEN STAR CERTIFIED BUILDING

The Ben Hammond Complex Stage 2 redevelopment project involved the upgrade of Power and Water Corporation's main works depot for the Darwin region. The scope included masterplanning of the site redevelopment, demolition of redundant buildings, refurbishment of a number of existing buildings including the removal of asbestos, an upgrade of the underground services, new car parking, landscaping, and the construction of new offices and workshops.

The centrepiece of the project is the office building which has been awarded a 4 Star Green Star rating from the Green Building Council of Australia (GBCA). This signifies 'Best Practice' in environmentally sustainable design. This achievement is significant as it is the first building in the Northern Territory to be awarded a GBCA 4 Star Green Star Certified Rating.

MONITORING OF ENVIRONMENTAL IMPACTS OF DARWIN HARBOUR DREDGING

GHD Darwin has undertaken monitoring and assessment of the environmental impacts of dredging in Darwin Harbour. The monitoring provided for development of environmental standards that if exceeded would trigger rapid corrective actions. Environmental parameters monitored included mapping of dredge plumes, various aspects of water quality, sensitive coral communities, mangrove communities, and impacts on local beaches.

TRAEGER PARK GRANDSTAND, ALICE SPRINGS

GHD undertook the full engineering and architectural design of Traeger Park Grandstand in Alice Springs including structural, mechanical, electrical, hydraulic and civil engineering services.

LEANYER RECREATION PARK - STAGES 1 & 2

GHD Darwin has led the design of both Stages of the Leanyer Recreation Park development for the NT Government. Stage 1 comprised the redevelopment of the site of the former Leanyer Lake into a multi-use recreation area with the key element being a new child and disabled friendly swimming area and water based play area. Opening at the start of 2009, the major new item for the Stage 2 upgrade was the addition of new waterslides and associated water recirculation and treatment plant.

Over the two stages, GHD also designed paths, BBQ and picnic facilities, skate and BMX park, playground, kiosk and admin building, ablutions, performance stage, lighting, CCTV monitoring, shade structures, access road and car parking.

PROJECT MANAGEMENT OF PROJECT VIGILARE SITE PREPARATION

GHD Darwin was engaged to manage the delivery of critical infrastructure at RAAF Base Darwin and RAAF Base Tindal for the Department of Defence to enable the installation of Australia's new ground-based Air Defence system. This complex, multi-disciplinary project was completed within the Client's critical time deadline. GHD provided Project Management, Design and Contract Administration services for a number of facilities in security-classified areas.

INDIGENOUS COMMUNITY INFRASTRUCTURE, HEALTH AND HOUSING PROJECTS

GHD has had extensive involvement in the development of indigenous community infrastructure, health and housing projects since its establishment in the NT in 1956. Recent projects include Mutitjulu electrical upgrade and water supply augmentation, Nguuu subdivision and upgrades of Yuendumu sewerage ponds and Milingimbi sewerage system.



Leanyer Recreation Park



Site Survey, Central Australia



Bagot Road Bridge

OUR SERVICES

With a focus on enhanced client value, we are able to provide whole-of-life service, including project management, planning, design, construction and asset management.

TRANSPORTATION

- ▶ Transport planning, traffic management, safety audits
- ▶ Highways, airports, rail, marine

ENERGY AND POWER

- ▶ Gas process and distribution
- ▶ Power generation and delivery, Instrumentation & Controls

URBAN DEVELOPMENT

- ▶ Survey, urban design, landscape architecture
- ▶ Municipal engineering, community consultation
- ▶ Land development (residential, commercial, industrial)

PLANNING

- ▶ Rezoning and development applications
- ▶ Feasibility Studies
- ▶ Land use planning studies

MANAGEMENT SERVICES

- ▶ Asset and facilities management
- ▶ Maintenance engineering and logistics management
- ▶ Program management, project management
- ▶ Procurement/acquisitions
- ▶ Management consulting

WATER

- ▶ Water quality, water systems, water treatment
- ▶ Wastewater treatment, wastewater systems
- ▶ Hydrology/hydraulics
- ▶ Catchment management/drainage
- ▶ Hydrogeological assessment/groundwater sampling

GEOTECHNICAL AND DAMS

- ▶ Geotechnical investigations and design
- ▶ Dam design, dam safety analysis

ENVIRONMENT

- ▶ Contaminated land assessment and remediation
- ▶ Catchment management
- ▶ Salinity assessment and remediation
- ▶ Environmental impact assessment and approvals
- ▶ Environmental management plans
- ▶ Management and audits, solid waste management
- ▶ Waste management

BUILDINGS AND STRUCTURES

- ▶ Structural and civil engineering
- ▶ HVAC, electrical, hydraulics, security
- ▶ Architectural, interior design, facility planning
- ▶ Bridges and specialist structures

PLANT AND PROCESS

- ▶ Industrial, plant and mechanical engineering
- ▶ Materials handling, mining

DEFENCE

- ▶ Site evaluation and preparation of business cases
- ▶ Project Management / Contract Administration services
- ▶ Design services



ABOUT GHD

GHD is an international network of professional and technical consultants.

Established in 1928, GHD employs more than 6000 people across five continents and serves clients in the global markets of water, energy and resources, environment, property and buildings, and transportation.

Wholly-owned by its staff, GHD is focused exclusively on client success. Our network of forward-thinking engineers, architects, planners, scientists, project managers and economists collaborate to solve client and community challenges. They embrace the core values of Teamwork, Respect and Integrity to create enduring relationships that deliver exceptional results.

With a history of adapting to the ever-changing needs of its clients, GHD is recognised for its commitment to innovation, safety and sustainable development. We care for the wellbeing of our people, communities and the environments in which we operate.

Today, GHD is ranked as one of the world's leading engineering, architecture and consultancy firms.

A member of the World Business Council for Sustainable Development, GHD operates under a Practice Quality Management System, ISO 9001:2008, Health and Safety Management System, OHSAS 18001:2007 / AS/NZ 4801:2001 and an Environmental Management System, ISO 14001:2004 which are certified by Lloyds Register Quality Assurance

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