



INDEPENDENT & OBJECTIVE ADVICE



URBAN & PRECINCT DEVELOPMENTS CAPABILITY STATEMENT

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dedication, innovation, vision, and knowledge are essential in the provision of world class project outcomes.

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PO Box 10012, Brisbane Adelaide Street QLD 4000

Tel: +61 7 3162 9384 Mob: +61 (0) 403 823 713 Web: www.harradynamics.com.au

THE COMPANY



HARRADYNAMICS Pty Ltd was established as an independent provider of leading advisory, technical consulting, design, project valuation, asset transaction, project development, project construction, and project management services.

HARRADYNAMICS have designed and delivered quality and timely project outcomes nationally and internationally in the building, infrastructure, municipal services, integrated precinct, urban and community, recreational and sporting, industrial, manufacturing, and services sectors by diligently pursuing our client's objectives and goals.

HARRADYNAMICS also provides highly skilled project administration services personnel, and other technical staff placements, in support of our clients projects.

HARRADYNAMICS operates an open, cooperative and solution focussed work environment. Our collaborative and energetic approach is founded upon the skills, experiences and qualities of our staff and their abilities to build a one-team culture.

The company provides independent due diligence, valuation, market analysis, asset transaction, project construction & management, and a comprehensive range of technical and financial advisory services utilising the knowledge and experience gained by our Principals in the industry over the past 35 years.

HARRADYNAMICS provides a full range of facilities management services in the assessment, operations, and maintenance of plant and equipment within the built environment.

HARRADYNAMICS staff are professionals, leaders and motivators who understand how to deliver quality outcomes and create value for our clients.

HARRADYNAMICS staff also understand the need to get well conceived plans implemented on time and to control budgets. We pride ourselves in the way we de-risk our clients projects through a rigorous and thorough planning process.

Constantly changing fundamentals in the industries and sectors **HARRADYNAMICS** operates within requires constantly evolving skills and expertise. We are an industry leader often called upon by our clients to foresee risks and implement sound mitigation strategies for large and complex projects. Our reputation has been built on low risk project outcomes for our clients.

HARRADYNAMICS listen and learn from our clients including the way they wish to define and deliver their projects. We appreciate the need to fit within our clients teams and their cultures and values. We acknowledge and accept our clients goals and objectives and seek to improve project outcomes by the diligent application of our own core values and skills.

delivering high integrity and low risk outcomes

SERVICES OVERVIEW

project design & construction management • tendering & procurement services • government & stakeholder approvals • capital and operating cost estimates for large and complex integrated developments • independent technical reviews of third party contractors • company & project audits • owners engineer and superintendent • construction management plans and procedures • feasibility studies • risk management • cost control • project and program scheduling • project controls & systems • contract & commercial evaluations • contract administration • claims determination • facilities management • safety and environmental plans • workplace IR agreements • commissioning & completions services

HARRADYNAMICS provides a range of design & construction management services for large and complex urban renewal projects as well as integrated developments that involve challenging build programs and complex approvals and consent conditions. HARRADYNAMICS project delivery services cover all phases of a project from concept studies and feasibility studies through to design, procurement, contracts administration, construction management, completions, and warranty period management.

The company also provides a full range of technical and engineering services to the building, construction, infrastructure, urban development, resort development and facilities industries in Australia and globally.

HARRADYNAMICS delivers world class outcomes in a range of industries that include:

- Integrated Resorts and Recreational Facilities
- Urban Renewal Developments
- Roads, Bridges, Dams, Elevated Walkways and Platforms
- Water and Sewerage Treatment Facilities
- Logistics and Supply Chains
- Sporting and Community Facilities
- Power, Water, & Utilities
- Commercial and Civic Developments
- Urban & Precinct Developments
- Facilities Management

HARRADYNAMICS has multi-billion dollar project experience, skills, and systems to provide our clients with low risk and high value outcomes. We have for the past 35 years been providing our technical, design, engineering, and advisory services across more than 500 projects globally. That demonstrated and proven expertise is re-invested in all our assignments.

HARRADYNAMICS personnel bring more than experiences and skills to our clients and their projects. Our service encompasses:

- a desire to understand our clients business and their project goals and objectives.
- an absolute belief in one type of job! A good job done right the first time.
- a sense of common purpose, cooperation, team spirit and unity with the client and its stakeholders.
- passion for the clients projects and challenges and a resolve that ensures our clients' interests always come first.
- an innovative and flexible problem solving approach that facilitates better outcomes.

HARRADYNAMICS provides extensive construction industry knowledge and highly trained personnel for our clients and their projects

OWNER'S TEAM SERVICES



For more than three decades **HARRADYNAMICS** staff have provided a range of advisory, project development, and project delivery services that has allowed our clients to accurately define, value, and construct major infrastructure, buildings, arena's, sports complexes, community facilities, and integrated developments globally.

Over the past 25 years Harradynamics principals have been involved in numerous large, complex, and challenging building and construction projects across Australia, and a number that have occurred in Indonesia, China, Mongolia, Russia, and New Zealand. Harradynamics also provides a full range of project advisory services and project delivery service as part of our clients integrated owner's team.

HARRADYNAMICS skills include the provision of design management systems, tools and personnel, approvals management, tender and procurement services, contract administration, project and cost control services, project scheduling, and construction management.

Whilst priorities can change, values are inherently cultural. Harradynamics independence and values always mean our clients interests are paramount in all we do.

HARRADYNAMICS has accumulated significant experience in the strategic definition & development of a full range of infrastructure assets that include road, bridge, rail, pipelines, and port facilities. Our skills and experience cover a range of services assets such as water supply and storage infrastructure, power generation and supply systems, water and sewerage treatment facilities, and other municipal services.

Our accumulated skills and experiences ensures our clients receive the benefit of this body of knowledge by quickly establishing likely approvals and development scenarios, asset values, risk profiles, design and construction timelines, contracting strategies, build strategies, safety and IR management systems, and construction methodologies.

HARRADYNAMICS's technical and engineering services also include project assessments, project financial models & valuations, concept studies, feasibility studies, bankable feasibility studies, project approvals, stakeholder management, and a full range of risk identification and management systems to suit our clients specific needs.

HARRADYNAMICS believes effective project & construction management requires decisive and inspiring leadership

PROJECT DEFINITION & DELIVERY



HARRADYNAMICS is known as a “deliverer of mega projects”. Project delivery to time, cost, quality, safety, and environmental constraints is our business. The provision of expert project teams, resources, management systems and corporate capability define what we do.

HARRADYNAMICS skills and services have exceeded customers expectations for safety performance, quality control, cost management, schedule management, and client experiences. We place great emphasis on our clients project experience and in long term relationships that are built on mutual trust and respect.

HARRADYNAMICS provides a broad range of designs, project management, construction management, and technical services, including:

- Process, mechanical, electrical, civil, structural design.
- Full engineering and design services.
- Project and construction management.
- Equipment specification, tender & procurement services.
- Site management & construction management.
- Field engineering and design certification.
- Safety in design and safety management.
- Quality assurance, quality control, and expediting.
- Contract administration and Owners Engineer services.
- Project controls systems and personnel.
- Project scheduling and reporting.
- Industrial relations management and IR agreements.
- Commissioning engineers and management.
- Operations & maintenance support, personnel training.

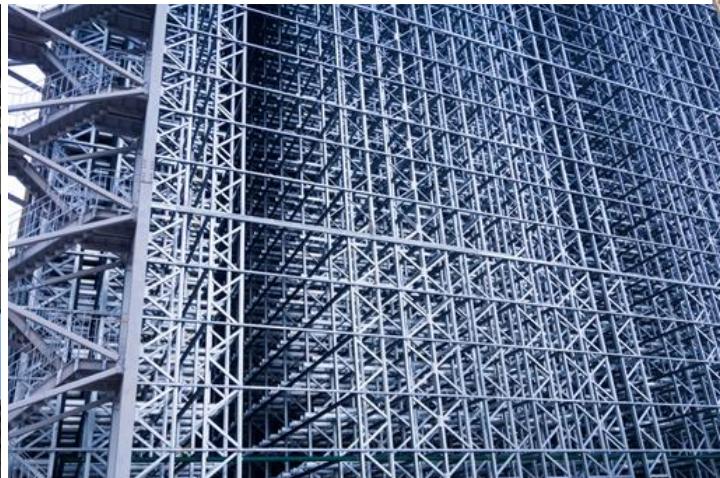
HARRADYNAMICS provides the systems, procedures, and plans to accompany the resources or team provided so that the systems developed for each project comply with governing legislation and any other existing plans, approvals, or consent conditions applicable to the project.

For more than 35 years **HARRADYNAMICS** staff have provided leadership in the business of project definition, design & delivery. We have successfully managed numerous multi-billion dollar projects in a variety of industries throughout Australia and globally. This whilst maintaining the highest standards in safety management, environmental compliance, social and community expectations.

HARRADYNAMICS provides a comprehensive range of Facilities Management services across HVAC, process plant, power generation, water treatment, waste management, as well as general plant, equipment, and facilities. Our services, systems, and expertise always reduce maintenance and operations costs for our clients.

HARRADYNAMICS undertakes project risk reviews and provides our clients with a range of risk mitigation and recovery strategies to address cost and schedule overruns, safety and quality shortcomings, and issues arising from breaches of consent and approvals conditions. We also provide project manager mentoring and project director oversight services for our clients staff to improve project outcomes.

OUR BUSINESS RELATIONSHIPS



HARRADYNAMICS's clients have included the major project developers, tier 1, 2, and 3 construction contractors, ASX top 100 companies, global manufacturers and construction companies, federal and state governments, some of the worlds largest trading companies, investment banks and private equity funds, liquidators & administrators, and numerous clients who wish to see our skills and resources add value to their projects

HARRADYNAMICS have delivered some of Australia's largest and most complex projects on time and on budget when others have failed to understand, plan, and manage outcomes to client expectations.

HARRADYNAMICS technical, advisory, and project delivery services are independent of all other parties which ensures our clients receive the full and exclusive benefit of sound and well considered analysis and recommendations.

HARRADYNAMICS project delivery skills, systems, tools, and resources are provided on a flexible and as-required basis to meet our clients needs and budget.

HARRADYNAMICS's clients have relied on our project definition, development, design, and delivery expertise to reduce costs, shorten timeframes, and to provide certainty where outcomes are vitally important to their business.

We utilise valuation, estimating, tendering & procurement systems along with project and construction management systems and tools that enable small teams to successfully manage large and complex projects. This allows our clients to spend their time running their businesses and not be distracted by day-to-day project activities.

HARRADYNAMICS is committed to building strong relationships with our clients and to the successful delivery of project outcomes that exceed our clients expectations.

Our track record and reputation for low risk project outcomes has been hard won. Our skills, resources, and personnel have earned the praise of their peers in the design and construction industry.

HARRADYNAMICS aim to innovate, enhance, lead and excel in everything we do

EXPERIENCE SUMMARY

The following project listing provides a sample of the types of projects recently completed by **HARRADYNAMICS**

- **HARRADYNAMICS** is presently performing a number of project mentoring roles for confidential clients who are developing internal project managers using our project delivery strategies as well as project management and reporting systems.

- **HARRADYNAMICS** project and construction managed the \$170m expansion of the Yatala Brewery for Fosters Group. The project included the decommissioning of the Sydney Kent Brewery, relocation of major equipment to Yatala, and the construction of a new multipurpose warehouse, brewhouse, tank farm, upgrades to power, water supplies, new offices and amenities, and the installation of new effluent treatment systems.

- **HARRADYNAMICS** continues to provide asset valuation, due diligence, and range of technical advisory services to project developers, JV partners, investors, banks and lenders who wish to de-risk their investments.

- **HARRADYNAMICS** principals provided a range of design and construction management services for the Australian 3 GeV Synchrotron Facility located in Melbourne. The scope of work included balance of plant and equipment design, specification, procurement, installation and construction. The scope also included external facilities, car parks, services, and security systems.

- **HARRADYNAMICS** completed the detailed design, 3D modelling, and production of IFC isometric drawings for the major expansion of the ADF owned Mulwala Propellant Production Facility. Our scope of work also included structural designs for pipe racks, Autoplant and Autopipe models or all piping runs, expansion loops and safety systems, and a range of field engineering services for the main contractor during the construction and commissioning phases.

- **HARRADYNAMICS** have designed and construction managed major mining equipment workshop facilities, warehouses, offices, bathhouses, potable water treatment plants, sewerage treatment plants a range of support services for more than 45 remote mining projects across Australia since 1994.

- **HARRADYNAMICS** have provided full turnkey project services to RTCA in the design and construction of a 500 person camp located upon the Kestrel mine site in central Queensland. The project scope included the Material Change of Use (MCU) and all approvals required for re-zoning of the site, procurement of all buildings, fit-out of all buildings including kitchens, cool rooms, accommodation and messing facilities, sports and recreational facilities, and the provision of all services and amenities.

- **HARRADYNAMICS** is currently providing Lenders Engineer technical and advisory services to a banking & lending consortium funding the DubaiLand Entertainment Precinct development in Dubai. **HARRADYNAMICS** and its principals have been providing a range of independent advisory services for the past several years on this iconic multi-billion dollar project.

- **HARRADYNAMICS** have completed prefeasibility & bankable feasibility studies for the design and construction of 10,000, 15,000, and 20,000 household townships in the Tete region of Mozambique. This work included the design & costing of all dwellings, roads, and municipal services. The project also included addressing provincial and state government approvals and the development of a PPP model for the construction and operations of coal fired power station to service the township.

- **HARRADYNAMICS** is providing technical advisory services and concept studies to Bumi Resources for the US\$1.2bn expansion of their mining projects in Kalimantan. The project includes roads, accommodation facilities, power supply, potable water supply, and communications services.

- **HARRADYNAMICS** continues to provide a range of asset valuation services to the ATO for the purposes of updating depreciation schedules for mechanical plant and processing equipment.

our clients are our partners and we share common objectives

CONTACT



HARRADYNAMICS Pty Ltd

Unit 5, 88 Macquarie Street,
St. Lucia QLD 4067

PO Box 10012

Brisbane Adelaide Street
Brisbane Qld 4000

T: +61 7 3162 9384

M: +61 (0) 403 823 713 (Managing Director - Gary Harradine)

M: +61 (0) 488 060 577 (Project Administration Services - Kristen Parkes)

E: contact@harradynamics.com.au

W: www.harradynamics.com.au