

CLOSURE CONSULTING

**DECOMMISSIONING, DECONSTRUCTION
& REMEDIATION**



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Our team has delivered some of the largest and most complex decommissioning, demolition and remediation projects in the world. Tap the play button above to learn more about what we do.

Liberty Industrial

We are an award-winning provider of specialist decommissioning, deconstruction, and remediation services across the globe.

Our team generate value by providing complete integrated solutions. Together, we have set a new benchmark for our industry, cementing our status as a contractor of choice for the delivery of large and complex projects near and far.



01

Closure
Consulting
& Demolition
Engineering



02

Demolition
Simulation
& Modelling



03

Decommissioning



04

Decontamination
& Industrial
Cleaning



05

Ground & Waste
Water Treatment



06

Dismantling
& Demolition



07

Asset & Resource
Recovery



08

Site
Remediation



Accurate Closure Planning

We provide specialist decommissioning, demolition and remediation consulting services to complement our contracting division and deliver high-quality, objective advice.

As an industrial specialist, we can provide long term plant closure concepts, budgets, and redevelopment strategies for redundant sites.

Years of experience enable us to expertly assess and engineer closure plans and provide advice compliant with International Financial Reporting Standards.

WHAT WE DO

- Decommissioning, Deconstruction & Remediation Planning
- Detailed Costing/Estimating
- Project Risk Register
- Early Contractor Involvement
- Quantity Take-off
- Detailed Methods
- Scheduling & Programming
- 3D Modelling & Structural Analysis
- Drone 3D Mapping, Thermal Imaging & LIDAR scanning

By understanding the client key drivers (including the end point or future site use) we are better equipped to provide fit-for-purpose, sustainable closure solutions.



3D MODELLING & SIMULATION

Liberty Industrial has acquired the exclusive Australian propriety license to operate the Extreme Loading for Structures (ELS) software developed by Applied Sciences International (ASI) based in the USA.

Liberty Industrial can model and simulate proposed demolition methodologies before execution. Serving as a key risk minimisation strategy for clients with large, technically challenging projects, the software allows us to visually demonstrate several plans and scenarios.

Hismelt Kwinana Closure, WA for Rio Tinto

EARLY CONTRACTOR INVOLVEMENT

By understanding the client key drivers (including the end point or future site use) we are better equipped to provide fit-for-purpose closure solutions. This can include:

- De-energisation and decommissioning plans.
- Hazardous material audits.
- Identification of project risk items.
- Identification of salvageable infrastructure and equipment to maximise commercial benefit and lower decontamination costs.
- Initiating the diversion of services so that future demolition activities are not impacted.
- Developing best-practice demolition methodologies.
- Contaminated material management and licensing for potential on-site landfill.
- Providing cost-benefit analysis for transport and disposal/risk allocation/ on-site depository scenarios.
- Identifying environmental considerations and understanding sustainability drivers.
- Providing information and staging plans for scrap processing and laydown yards.
- Temporary power requirement.
- Early engagement with regulatory authorities - Guidance with local council and EPA.
- Providing certainty on programming and project timeframes.
- Development of accurate costings for budgetary purposes.

Bulwer Island Refinery Gantry Demolition,
QLD for BP



SAFETY

Our highest priority and the foundation of everything we do.



EXCELLENCE

Industry leadership, best practice and operational excellence.



INNOVATION

Challenging convention and leveraging technology to deliver expert solutions.



SUSTAINABILITY

Exemplary environmental performance and stewardship.



PEOPLE

Commitment to our people, social diversity, and our contribution to the community.



Closure & Liability Estimates

Liberty Industrial provides closure and liability estimates for the preparation of decommissioning, demolition, asset sale, recoverable materials, land remediation, and rehabilitation activities.

We provide specialist demolition support services that complement our contracting division to deliver high-quality, objective advice.

As industrial demolition specialists, we can provide long-term plant closure concepts, budgets, and redevelopment strategies, as well as comprehensive risk assessments and optioneering.

INDUSTRY SECTORS

- Oil & Gas
- Power Generation
- Mining & Resources
- Heavy Engineering
- Infrastructure
- Defence & Government
- Chemicals & Pharmaceuticals

1.



2.



1. Boodarie Hot Briquette Iron Ore Plant
Closure for BHP Billiton Iron Ore

2. Munmorah Power Station Removal for
Generator Property Management

Years of experience in undertaking hundreds of studies and a dedicated database of real-time delivered projects ensures we can expertly assess and engineer closure plans and provide advice in compliance with International Financial Reporting Standards.

Understanding the effort required to execute highly-complex projects enables us to provide a more accurate estimation for the assessment of closure liability. Our team is also accustomed to developing comprehensive risk registers to ensure contingency is considered in the estimate.

Liability estimates must be kept up to date. This ensures the current balance sheet reflects true and accurate liability for end-of-life assets.

We complete studies to a range of required accuracy levels for a diverse range of clients and project types. Some examples of recently completed studies are shown opposite.

Thevenard Island Onshore Decommissioning & Remediation for Chevron



CLIENT & PROJECT LOCATION	CONTRACT OR STUDY	COMPLETED
Anglo American - Moranbah North Mine, QLD	Study at +/- 30% accuracy level	2022
Goldfield Campaign - St Ives, Gruyere, Agnew & Granny Smith	Study at +/- 30% accuracy level	2022
Eloise Copper Mine - AIC	Study at +/- 30% accuracy level	2022
Barrow Island - Chevron	Study at +/- 20% accuracy level	2022
Gobe End of Field Life FEED - Logicamms/Oil Search Limited	Study at +/- 15% accuracy level	2022
Glencore - Newlands Mine, QLD	Study at +/- 15% accuracy level	2021
BHP - Hay Point Coal Terminal (including coal bin explosive demolition), QLD	Contract	2021
AGL - Cooper's Gap Wind Turbine Demolition, Jandowae, QLD	Contract	2021
Rio Tinto - Argyle Diamond Mine, Lake Argyle, WA	Contract	Underway

Liberty Industrial provides full project estimates for organisations that detail:

- Costs of decommissioning
- Enabling work
- Isolation
- HAZMAT removal including Asbestos
- Demolition
- Waste management
- Land remediation
- Rehabilitation
- Resource & Programme requirements
- Identification of Assets for resale
- Recoverable material credits

Estimates are broken down to ensure that client requirements are fully provided, with concise summaries included in reports along with detailed supporting information to enable audit.

Our estimates and reports can be customised to support our clients regulatory reporting requirements.

EXAMPLE OF COST ESTIMATE SUMMARY FOR A MINE DEMOLITION STUDY

ITEM	COST (AUD)	DESCRIPTION
Total Direct and Distributable Costs	\$ 68,877,877	Includes Direct Demolition, Transport and Disposal, Plant and Labour, and Provisional Sum Items
Contractor Profit	\$ 6,887,778	10% of Total Costs
Contractor Contingency	\$ 3,443,894	5% of Total Costs
Contractor Overhead	\$ 3,443,894	5% of Total Costs
Sub Total of Gross Margin and Contingency	\$ 13,775,575	Combined Overheads, Contingency, and Profit
Total Project Closure Value (AUD\$)	\$ 82,653,453	Excluding GST
Q Leave Levy	\$ 475,257	2021
Total Closure Value inclusive of Q Leave Levy	\$ 83,128,710	0.575% of Total Closure Value
Scrap Value (Current): Ferrous	\$ 84,389,194	
Scrap Value (Current): Non- Ferrous	\$ 26,039,559	
Total Scrap Value (Current)	\$ 110,428,753	

Expert Delivery

Investment in the future is our priority.

Utilising the most advanced technology and equipment in combination with our ability to leverage the best minds in the business has ensured we deliver innovative, cost-effective solutions that maximise value for our clients and project stakeholders – every time.



Sydney Harbour Control Tower Deconstruction
for Barangaroo Delivery Authority

Past Experience, Present Expertise

We thrive on a challenge and have built a strong reputation for delivering some of the toughest decommissioning, deconstruction and remediation projects in the world.

Our global team has completed hundreds of studies for clients across the Asia Pacific, Africa and Europe.

WE PRIORITISE

- Rigorous thinking and project development
- A collaborative and considered approach
- Focus on driving commercial returns
- Efficient and safe project delivery
- Maximising commercial viability
- Accessing industry insights and best practice

1.



2.



1. Gove Refinery Early Contractor Involvement
Phase 2 for Rio Tinto

2. Hismelt Kwinana Closure for Rio Tinto

Quality Assurance

The safety and wellbeing of our people is our highest priority and the foundation of everything we do – from the decisions we make right down to our daily operations.

We pride ourselves on being a safe and reliable contractor who is accustomed to working to stringent compliance requirements for the management of occupational health and safety, quality and environmental performance.

Our achievements in safety and training have received:

Shortlisting at the **2022** and **2019 World Demolition Awards** in the Safety & Training Award category.

Shortlisting at the **2022 WHS Foundation** in the **WHS Promotion & Program** category.

Highly commended at the **2019 National Safety Association Excellence Awards** for the development of our Oxy Cutting and Excavator Operator training program.



WE PRIORITISE

Our accredited Business Management System is independently certified by SAI Global Certification and includes:

- ISO 9001:2015
Quality Management System
- ISO 45001:2018
Occupational Health & Safety Management System
- ISO 14001:2015
Environment Management System



ISO 9001



ISO 45001



ISO 14001

Internationally Acclaimed

Liberty Industrial has received local and international recognition, most notably at the World Demolition Awards, winning five awards in the last nine years including the inaugural overall World Demolition Award.

2022 WHS Foundation, WHS Promotion & Program – Shortlist

Subcontractor Improvement & Subby Buddy Initiative

2022 World Demolition Awards, Civils Demolition – Shortlist

Port Kembla Gas Terminal Early Works

2022 World Demolition Awards, Safety & Training – Shortlist

Subcontractor Improvement & Subby Buddy Initiative

2021 World Demolition Awards, Explosive Demolition - Shortlist

Remote Demolition of a Wind Turbine

2020 World Demolition Awards, Industrial Demolition - Shortlist

Iluka Program of Demolition Works

2020 World Demolition Awards, Contract of the Year Under US\$1M - Winner

Blackwattle Bay Batching Plant Demolition

2019 World Demolition Awards, Industrial Demolition - Winner

Munmorah Power Station Removal

2019 World Demolition Awards, Contract of the Year Over US\$1M - Finalist

Port Kembla Coal Terminal Stacker and Reclaimer Demolition (Stage 2)

2019 World Demolition Awards, Contract of the Year Under US\$1M - Finalist

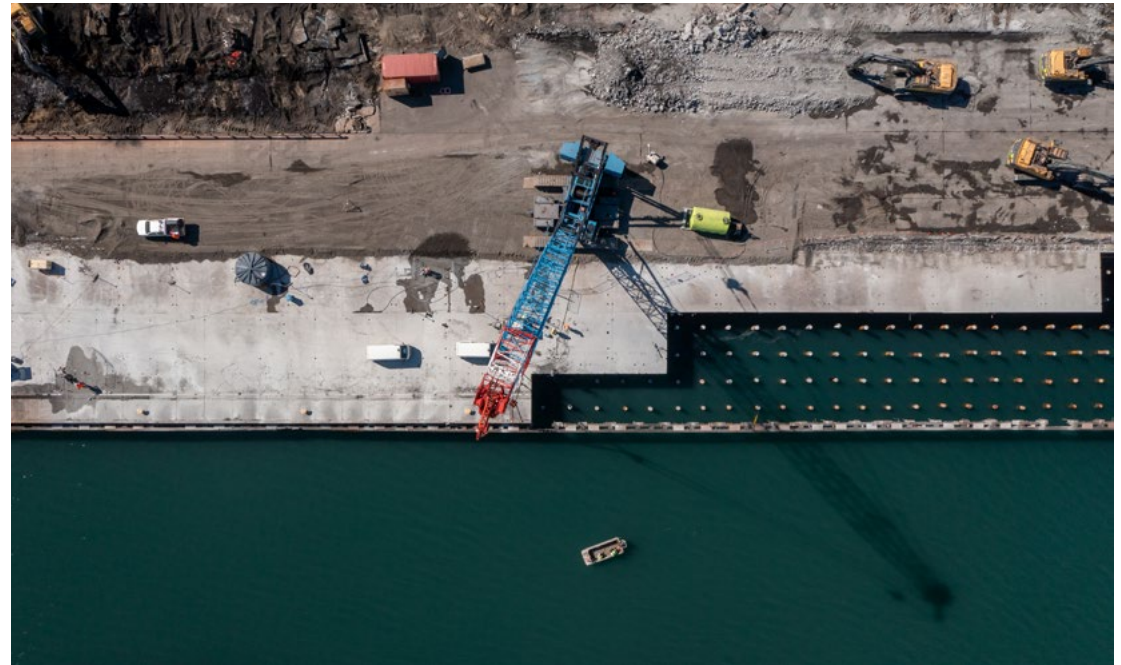
Port Kembla Gateway Crane Project (Stage 2)

2019 World Demolition Awards, Safety & Training - Finalist

2019 National Safety Awards of Excellence - Highly Commended

Best WHS Training Program

Port Kembla Gas Terminal Demolition &
Remediation, NSW for Australian Industrial
Energy



ORGANIZED BY
dsri
WORLD
DEMOLITION
AWARDS2022
SHORTLISTED
CIVILS DEMOLITION AWARD

ORGANIZED BY
dsri
WORLD
DEMOLITION
AWARDS2022
SHORTLISTED
SAFETY & TRAINING AWARD



1.

2019 CCF Earth Awards, Excellence in Civil Construction Over \$75M - Finalist
Moorebank Intermodal Terminal Remediation

2018 ALGA Excellence Awards, Best Remedial Project Over \$1M - Winner
Moorebank Intermodal Terminal Remediation

2018 World Demolition Awards, Industrial Demolition - Finalist
Port Kembla Gateway Coal Terminal Project (Stage 1)

2017 World Demolition Awards, Urban Demolition - Finalist
Sydney Harbour Control Tower Demolition

2016 World Demolition Awards, Contract of the Year Under US\$1M - Winner
Duck River Bridge Dismantling

2016 World Demolition Awards, Civil Demolition - Finalist
Hamilton Wharves Demolition

2016 World Demolition Awards, Contract of the Year Over US\$1M - Finalist
Clyde Oil Refinery Removal

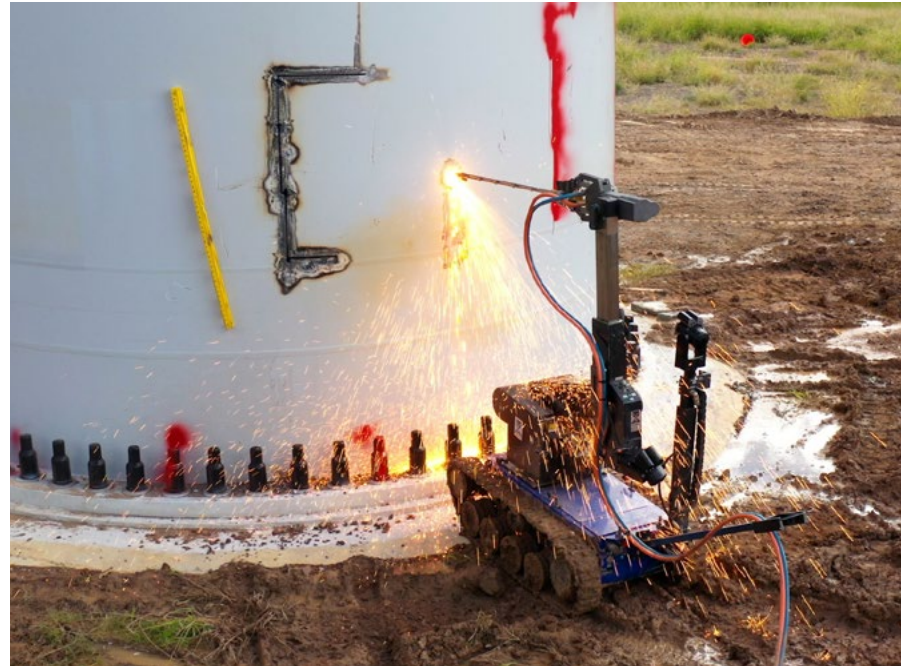
2015 World Demolition Awards, Contract of the Year Over US\$1M - Finalist
Garden Island Hammerhead Crane Deconstruction

2015 World Demolition Awards, Explosive Demolition - Winner
Omega Tower Demolition

2014 World Demolition Awards, Industrial Demolition - Winner
Rio Tinto's Hismelt Kwinana Closure

2013 World Demolition Awards, Industrial Demolition - Shortlist
BHP Billiton's Boodarie Hot Briquette Iron Plant Closure

2012 World Demolition Awards, Industrial Demolition - Shortlist
BHP Billiton's Boodarie Hot Briquette Iron Plant Closure



WORLD DEMOLITION AWARDS2021
SHORTLISTED
EXPLOSIVE DEMOLITION AWARD

2.



WORLD DEMOLITION AWARDS2020
WINNER
CONTRACT OF THE YEAR UNDER US\$1 MILLION

1. Remote Demolition of Wind Turbine, QLD for General Electric
2. Blackwattle Bay Concrete Plant Demolition, NSW for Hanson

Get in Contact

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DELIVERY HIGH REACH DEM
EXPLOSIVE **INDUSTRIAL** IND
LAPSE DEMOLITION SPECIA
CONTRACTING DECONTAMI
REMEDIATION ENVIRONMEN
SPONSIBLE DECOMMISSION
RISK MITIGATION & MANAG
WASTE MANAGEMENT & DI
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CHANICAL DEMOLITION INT