



Drilling services and solutions working for your business.

- Over 17 years of industry experience
- Quality management systems
- Integrated occupational health,
safety and environmental system
- Focused on exceeding client requirements
- A 'Can Do' approach
- Quality Service Safely



Hagstrom Drilling is a privately owned, independent drilling contractor with capabilities and extensive experience covering geotechnical drilling and cone penetration testing.



The company has been providing drilling services for the past seventeen years, and over this period has expanded its fleet to sixteen drills, three CPT probing units, Marsh Buggy, Jack up Barges and an extensive fleet of support vehicles and equipment, and over sixty employees.

Examples of key projects undertaken by the organisation include:

- Conoco Phillips - both onshore and offshore drilling at the LNG Facility on Curtis Island, Gladstone
- Inpex - Offshore drilling from two Jack Up Barges in Darwin Harbour
- Chevron - both onshore and offshore drilling at the Wheatstone Phase 1,2 and 3 project at Onslow
- Chevron - Barrow Island Gorgon LNG
- BHP - Area C and Yandi Mine Sites
- Rio Tinto Cape Lambert – Port B Upgrade

- Woodside Energy – Browse LNG.

Hagstrom Drilling's vision is to achieve the highest level practicable for safety and health of all employees, contractors and visitors by providing a safe workplace with minimal lost time injuries. A dedicated OHS&E Manager is employed to:

- Monitor and advise all levels of management on current legislation, codes of practice, safety, health and welfare at work pertaining to Company activities and give guidance as to the interpretation of such to our staff.
- Monitor Company safe work procedures and revise/review as necessary.
- Investigate all accidents, incidents and near misses and make recommendations for improvements to prevent any reoccurrences.
- Identify and implement safety training requirements for all personnel within the Company.



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- Constantly review our health, safety and environment requirements and promote systems to improve those requirements.

Our team strives to ensure that despite site challenges, environmental impact is minimised in line with our own and client's policy. We value the environment and respect the landowner, eco-sensitive and cultural sites. Our focus on safety and environmental management is unrivalled in our industry.



Hagstrom Drilling's modern office, workshop, fabrication and warehouse facilities based in Canning Vale, Perth, covers 8,138 square meters spread over two separate properties.

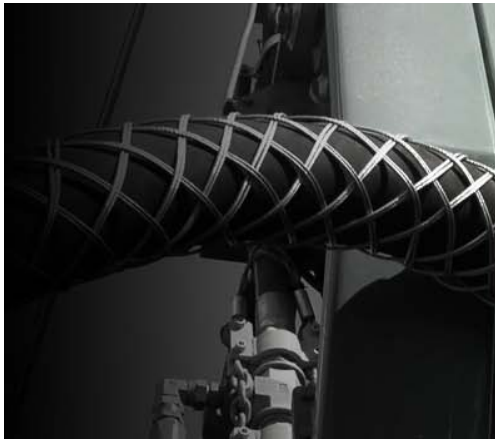
With over \$250,00 worth of spares and consumables held in our warehouse at all times we have the ability to fully support our equipment in the field and minimise any equipment downtime due to lack of parts or consumables.



Hagstrom Drilling employs numerous maintenance staff including mechanic/fitters, boilermakers, and machinists for all the necessary repairs, fabrication, maintenance and rebuilds of our plant and equipment. With access to CNC lathes, milling and boring machines, our Machining department has the ability to build specialised parts and components to fit to our drilling rigs and the competitive advantage to engineer

geotechnical tools from concepts put forward by our operators, which improve our methods of sampling.

At Hagstrom Drilling we have made a corporate decision to develop the company's greatest asset – our people. All Hagstrom Drilling employees receive ongoing training and accreditation. We have developed a Training Framework which guides our personnel to achieve the nationally accredited Certificate III & IV in Drilling, which are recognised Australia wide. Opportunities are provided to Trainee Drillers and Drillers to further develop their theoretical knowledge of drilling by attending the DICAT course conducted by ADITC.



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available with capabilities such as coring and testing on holes up to PQ size to a depth of 250 meters.

Our geotechnical applications typically include infrastructure developments such as;

- Processing plants and buildings (e.g. LNG, mine sites)
- Service roads, jetties and wharfs
- Construction and upgrade of major bridges and roads
- Construction and upgrade of water supply and tailings dams



Drilling Services

Geotechnical drilling techniques and capabilities include:

- Marine and Jack Up Barge drilling
- Wireline diamond drilling NQ, HQ, PQ
- (Wireline triple tube diamond core drilling in rock)
- Mud Rotary Drilling
- Air core drilling and sampling
- Hollow flight and Solid stem Augers
- Hollow flight continuous coring
- TUBEX overburden drilling

Geotechnical

All Hagstrom Drilling procedures are rig specific and incorporate a level of national competency and along with the procedures all Hagstrom Drilling staff are required to understand and be competent in all company policies and the Hagstrom Drilling safety management plan.

Quality of soil samples is crucial in geotechnical drilling and recovery demands a high level of expertise and precision. Data collected during drilling needs to be accurate because it influences decision making and budget considerations. Our installation of in-situ geotechnical instruments, such as piezometers, inclinometers and extensometers ensure accuracy without wasting time. A full range of overburden testing equipment is



- In-situ instrumentation installations
- Standard Penetration Tests (SPT)
- Thin wall tube samples (U63 tubes)
- Shear Vane Test
- Piezometers
- Pressure meter tests
- Permeability tests
- Piston Sampling

can be used to determine the geotechnical engineering properties of soils and delineating soil stratigraphy.

Our track based CPT rigs appeal to clients as they are able to access more rugged terrain, reduce the impact on the environment, are more manoeuvrable and need a smaller footprint area to work. Our fleet includes a stand-alone Hyson 200 kN unit which is fitted to a purpose built skid base frame. This unit can be used for onshore and near-shore projects and is equipped with its own portable silenced power source for stand-alone use. It can also be configured to operate from our Marsh Buggy, Morooka or Jack up barges.

- Cones for environmental investigation, and;
- Mostap 35 and 35ps Soil sampler and Conductivity.

Major Probing projects undertaken:

- Perth Convention Centre
- Northbridge Tunnel
- Perth to Mandurah Rail Extension
- BHP Port Hedland
- BP Kwinana
- Tele Communications towers
- Woodside - Browse Project
- Worley Parson - Perth Train Station

Probing Services



Hagstrom Drilling provides cone penetration testing (CPT) services and are capable of providing this service as stand-alone or in combination with drilling services. This is an in situ testing method that

Geotechnical and Environmental Services comprise of the following:

- Mechanical,
- CPT, CPTU, Seismic Cone Testing using automatic Seismic hammer as well as Piezometer installation;
- Water samples and Marchetti DMT Dilatometer Testing;



Other Equipment

Hagstrom Drilling has invested in a number of specialist support equipment to ensure that we can



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complete any project, no matter how difficult, safely and effectively.



Marsh Buggy

Hagstrom Drilling's Marsh Buggy is an amphibious track based vehicle suitable for use where ground conditions, access or environmental factors make the use of truck mounted equipment inappropriate. The Marsh Buggy can be configured to support either Drilling or CPT activities. The unit can be dismantled and mobilized on three semi-trailers.



Jack Up Barges

Our Marine based capabilities have been strengthened by the recent acquisitions of a RCP-250 Jack-up Barge and a RCP-100 Jack-up Barge.



RCP-250

Capable of supporting mobile or tracked units weighing up to 140T. The unit is modular comprising of fifteen platform components, four jacking systems and four connectable spudlegs. Classified GL 100A5 k(20) self elevating unit costal water service, unmanned tow by German Lloyds.



RCP-100

Capable of supporting mobile or tracked units weighing up to 60T. The unit is modular comprising of seven platform components, four jacking systems and four connectable spudlegs. Classified GL 100A5 k(20) self elevating unit costal water service, unmanned tow by German Lloyds. This unit will be available in the first quarter of 2012.

Further Enquiries

For project enquiries or further information please contact Nick Baker, our Tender & Contracts Manager on +61 8 9456 0595 or 1800 082 200.



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