



 **Hilands**
COAL SEAM CEMENTING

AN INTRODUCTION

OUR STORY

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Hilands Gas and Coal Seam Cementing was established in 2003. We are an onshore, cementing service company, servicing drilling rigs and mining companies by manufacturing and transportation of slurry Australia wide. We also offer an onsite slurry plant for larger volume projects. As an industry leader, our mission is to maintain superior service by offering 24 hours a day, 7 days per week service, cutting edge technology and fresh premium ingredients - resulting in compliant, safe, environmentally sound and profitable wells.

Our greatest strength in cementing is our experience. We combine extensive technical and field knowledge with modern equipment, formulations and ongoing technological equipment, research and development, to give you the efficiencies and the strength required for zonal isolation and casing support.

Our people are our business, being highly trained and remain up to date with best practise and industry standards.

Hilands values our customers and is committed to their success - through our commitment to safety - our high quality products (using the highest quality, local, freshest cement ingredients from reputable suppliers) - our safe delivery - our reliability - our obliging performance - our innovation - as well as respect and integrity.



OUR RESPONSIBILITY

1 HEALTH AND SAFETY

ENSURING OUR PEOPLE REMAIN SAFE AT WORK IS OUR PRIORITY

We are committed to implementing safety systems and promote safe behaviours.

Our key objectives are:

 HEALTH: maintain a healthy workplace

 SECURITY: safeguard people and assets

 SAFETY: ensure no one gets hurt

 ENVIRONMENT: protect surroundings

2 ACCOUNTABILITY

WE TAKE OWNERSHIP OF OUR DECISIONS, OUR ACTIONS AND OUR RESULTS

We deliver promises and stand by our decisions.

Our delivery documentation is completely transparent, noting all elements of the product. Also, any product that is added on site by the client is documented. Documentation thus shows that the product is compliant to the regulations and client requirements - important if government regulators require verification. The delivery information also documents the timeframe of manufacture, transportation, delivery and on/off site times.

3 ENVIRONMENT

WE ARE COMMITTED TO PROTECTING THE NATURAL ENVIRONMENT WHEREVER WE OPERATE

We aim to leave a small footprint on operation sites, hence the use of large Semi powered mixer trailers lessening the number of vehicles entering and leaving mine sites daily.

Our operational strategies are under constant review to maintain a cleaner, greener outcome.

4 SOLUTIONS

OUR GREATEST STRENGTH IS OUR EXPERIENCE

We combine extensive technical & field knowledge with modern equipment, formulations and ongoing technological equipment to give our clients the efficiencies and strength required for zonal isolation and casing support.

5 SUPPORTING LOCAL COMMUNITIES & SOCIAL RESPONSIBILITY

Through sponsorship and donations to various industry events, Hilands makes positive contributions to our important, local communities.

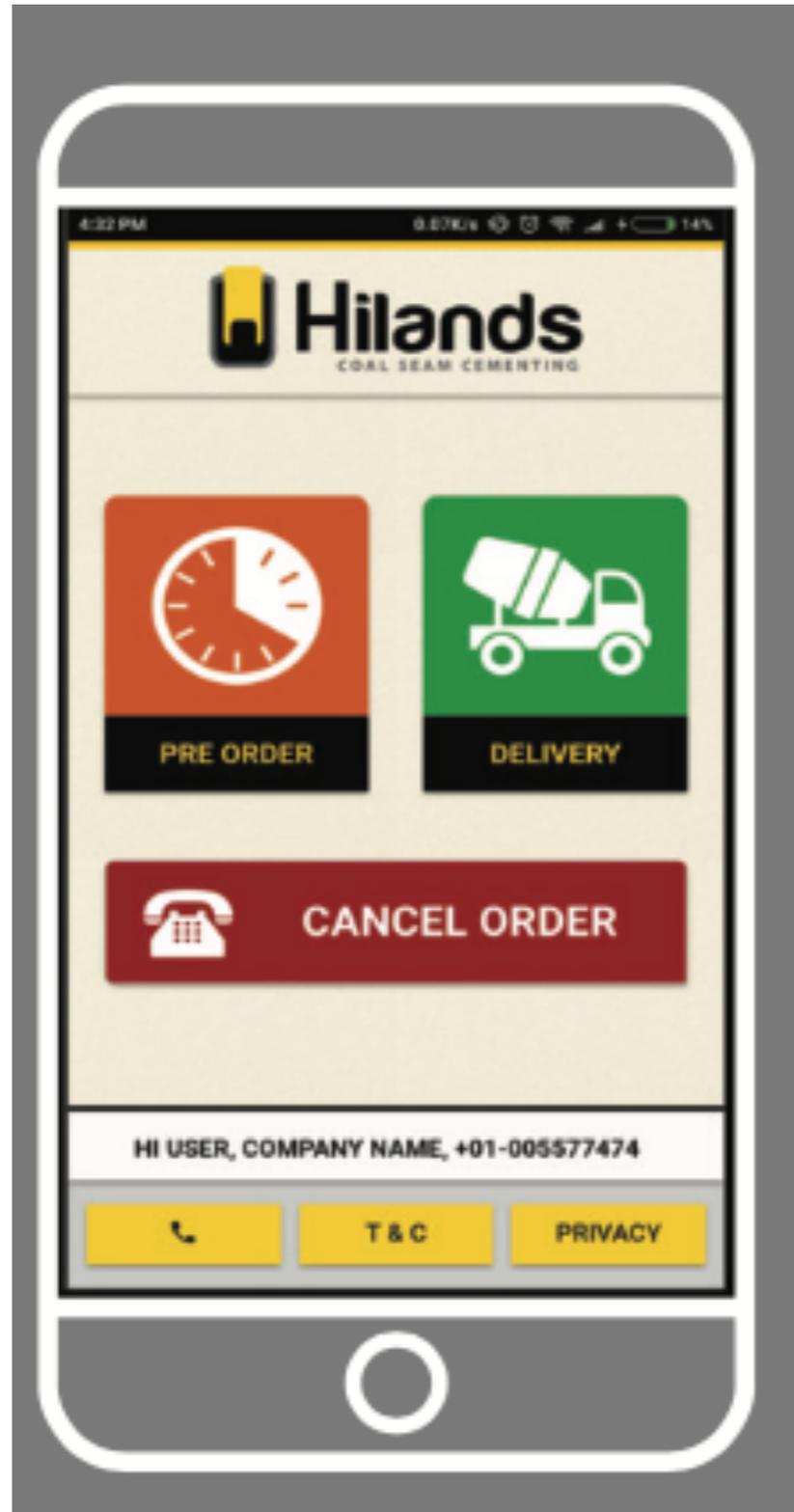
Hilands, being a local business, support and partner with other local businesses. Our policy is to purchase all vehicles locally - all materials locally - and all fabrication, repairs and maintenance to local suppliers.

Hilands commits to honouring all account payments for all suppliers in a prompt manner and we pride ourselves on strong business ethics.

As a local supplier to several Bowen Basin mines, Hilands is greatly appreciative of their support in using our services. Through their support, we, with great PRIDE, in turn, support local businesses, charities and Clubs. We value our long-standing relationships within the community.

OUR TECHNOLOGY

MOBILE APP ORDERING SYSTEM



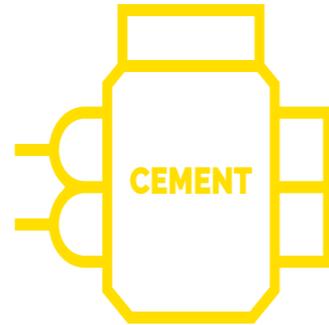
Effective communication and decision making between the field, plant and office, improves operational efficiency, reduces downtime and promotes a culture of trust.

Hilands Coal Seam Cementing has created a mobile app unique to the industry, to enable operators in the field real time ordering at the click of a button - assisting with improved performance, transparency and instant reporting.

Cutting edge technology is important to us. This is the reason we offer clients a quick, easy and trackable (user, date, time) ordering system.

OUR EQUIPMENT

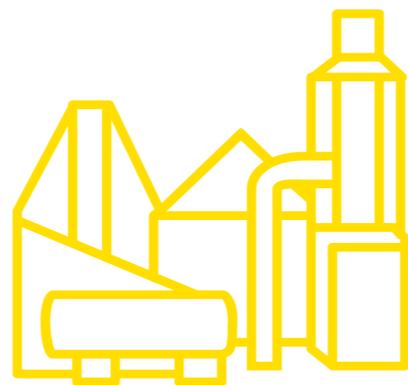
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Whatever your drilling environment or however remote the location, our innovative cementing technologies offer you a range of solutions to achieve zonal isolation for the life of your well.

Our land based mobile cementing units are deployable in harsh environments for year-round operations and require minimal set up requirements, saving time and protects the environment by leaving a very small footprint.

FIXED PLANT



Hilands plant is fitted with purpose-built equipment designed specifically for slurry mixes. Each element of cement is delivered by double screw conveyor and turbulated twice prior to entering the mixer. This slower process ensures the cement particles are finely separated to create a smooth homogenous final mix. The importance of this is to have a product that creates a mix that allows the slurry to seal all fine fractures in the borehole and have zonal isolation in the entire length of the borehole.

This important cementing process has been recognised by the industry and meets government regulations.

OUR EQUIPMENT

LOGISTICS



Hilands' modern, reliable fleet includes rigid truck grout mixers, specialised 4WD truck mixers and large volume trailer mixers. These large capacity agitator bowls are key to better efficiency resulting in profitable wells with less environmental footprint impact. Our mixers range in size from 4m³ to 15m³.

Hilands' mixer bowls, being purpose built, never carry concrete products. They are designed and built for slurry industry usage exclusively and therefore are much larger than concrete bowls which ensures less deliveries resulting in a lesser footprint and maximum efficiency. This also ensures that there is no stone aggregate contamination of the mixing bowls or any blockage of the rigs' delivery pumps, which may cause a partial delivery, through pump failure. This potential risk could create a pathway for leakage and not result in the aim of ensuring zonal isolation of the borehole length. It ensures no ferrous materials in our mixes, which may create any likelihood of sparks with gas infusions to the underground mine.

Modern and reliable B-Double powder tankers are also part of the Hilands fleet, ensuring timely delivery of products to meet our client's requirements. The fleet is kept in immaculate condition and are all mine compliant and fitted accordingly.



SEMI TRAILER MIXERS

Innovation and research are pivotal for Hilands commitment and culture in the pursuit of customer excellence. As a proud part of our history, Hilands innovation is the key driving force to continuously develop premium products to meet customer needs and exceed their expectations.

Hilands Commitment to the innovative Semi Trailer Mixer has the following advantages to our customers:

- ✓ Less transport movements on mine sites
- ✓ Environmentally friendly with less emissions and road impacts
- ✓ Economical delivery systems
- ✓ Continuous discharge flow of slurries



VERTICAL SILO

Five hundred tonne of material storage at the Hilands' plant. This allows for frequency of product turnover ensuring freshness.



HORIZONTAL SILO

Designed to Australian Standards and built to mine site regulations, the horizontal silos can be assembled quickly and are cleaner for the environment.

OUR EQUIPMENT

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ONSITE GROUT MIXER



The Hilands site mixer utilises a high speed processor that applies a shearing effect on the cementitious particles. It is here that a violent turbulence and high shearing action is created which is capable of breaking down clusters of dry cement particles.

Proven technology – As the innovators of the system developed in 2016, Hilands mixers are recognised as the most efficient method of mixing cement based grouts and other materials, resulting in very stable mixes, which resist bleed and contamination by groundwater due to the high water absorption rate.

- ✓ Higher strength
- ✓ Optimum Mixing
- ✓ High Speed
- ✓ High Shear Immiscible with Water
- ✓ Cost savings
- ✓ Pressure Discharge
- ✓ Simple Cleaning
- ✓ Reliability
- ✓ Integrated Designs

OUR EQUIPMENT

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COILED TUBING RIG

Well Bore Cleanout

Coiled Tubing Cleanout are to restore the integrity of borehole formation. Benefits include:

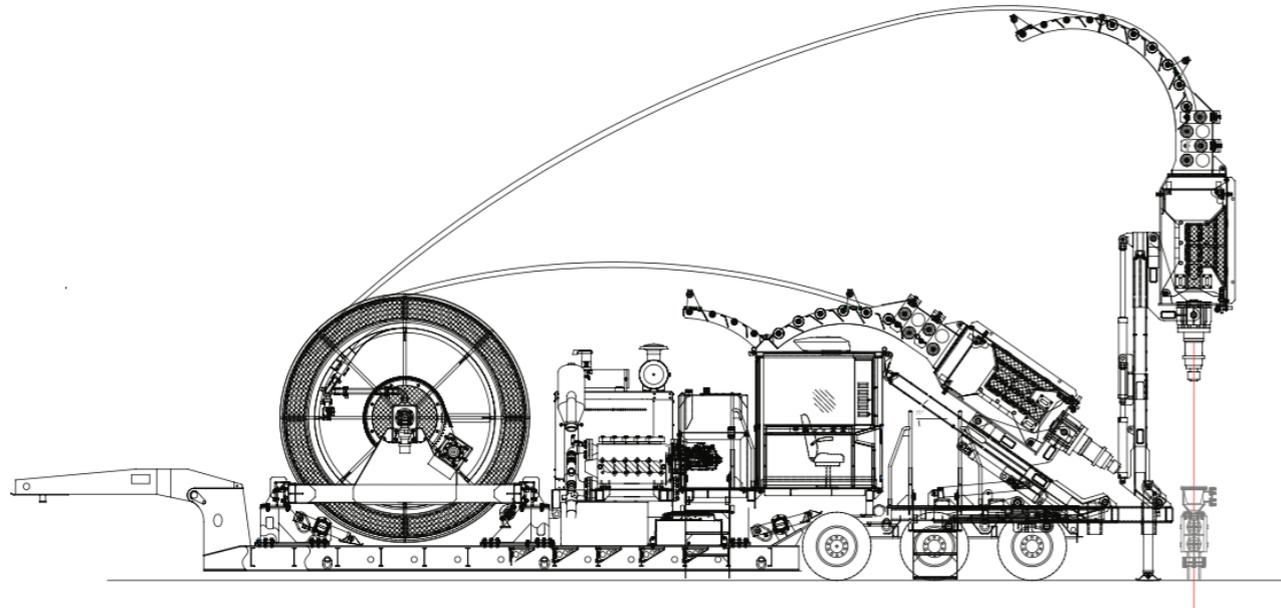
- ✓ Rapid mobilisation
- ✓ Rapid rig-up
- ✓ Fewer personnell
- ✓ Greatly reduced time associated with running drill rods while tripping in and out of wellbore Small environmental footprint

Most importantly, the capability for continuous circulation allows an operator to avoid the risk of formation damage inherent in sealing a well

Cementing Operation

When historical coalmine borewells are abandoned or recompleted, Hilands Coil Tubing Rig is the ideal technique to place very small volumes of slurry inside the well very accurately. Therefore, less preparatory work is required to seal the well.

Coiled tubing offers several operational and economic advantages.

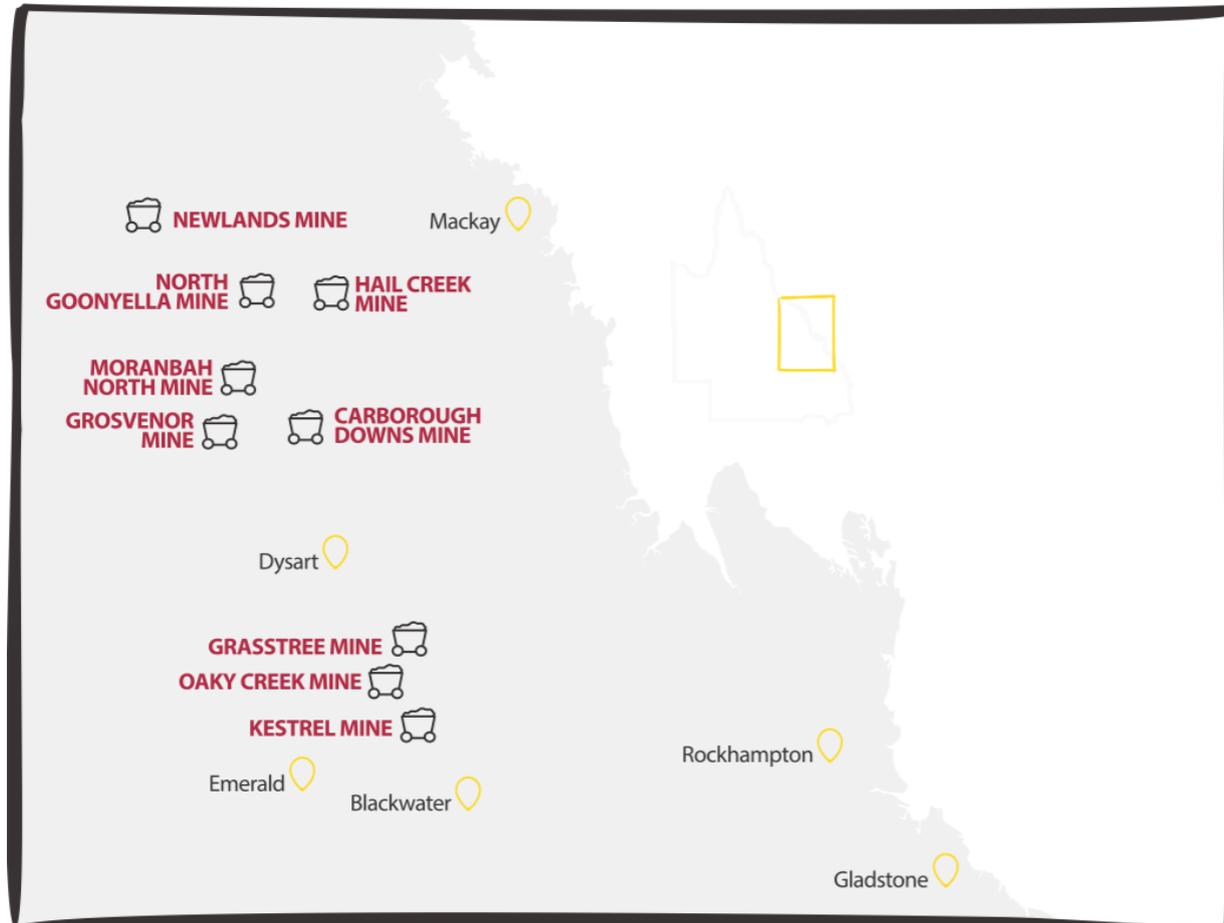


OUR PROJECTS

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The majority of our projects are undertaken throughout the Central Queensland and New South Wales:

- Moranbah North Mine
- Grasstree Mine
- Grosvenor Mine
- North Goonyella Mine
- Kestrel Mine
- Carborough Downs Mine
- Oaky Creek Mine
- Hail Creek Mine
- Newlands Mine
- Centennial Coal Mine
- Gregory Crinum Mine





PARTNER WITH US

OUR CLIENTS

