



## INSTALL CAPABILITY

# Onsite Plant Installation



**In a dynamic market where the timely and cost-efficient supply of field-installed gas infrastructure is crucial for meeting operational demands, CS GAS have a demonstrated and consistent track record of successful deliveries.**

With a long-standing history of providing skid-mounted infrastructure to Australia's coal mining and gas industry, CS GAS extends its capabilities by expertly managing installations on both greenfield and brownfield sites, completing the cycle of supply.

## OUR WORK

With plant installation a regular part of the CS GAS service offering, we recently installed a gas drainage plant at a coal mine site in New South Wales. The site, situated on difficult terrain, demanded meticulous planning and execution to ensure seamless operation. The in-house designed, engineered, fabricated and manufactured plant is intended to handle approximately 5,000 std litres/sec with expansion potential to around 7,000 std litres/sec. Meeting these specifications requires careful attention to detail and precision.



Bowen Basin  
Compressor Plant



Bowen Basin  
Compressor Plant

**The installed plant included the following components:**

- Several liquid ring pumps
- A 4000 amp, voltage controlled switch room
- Low Harmonic VSDs
- Backup power system
- Extensive HVAC capability
- Seal water and cooling water system
- All applicable spool work with supports
- Civils co-ordination

CS GAS also successfully executed the installation of an in-house designed, engineered, and manufactured modularised gas compression plant for a greenfield site at a Bowen Basin satellite power station. This undertaking involved a comprehensive approach to address the specific requirements of the project.

**The compression plant comprised of the following elements:**

- GM150S rotary lobe blowers, with manifolds
- Forced-air gas coolers
- Knockout pots
- Control and shutdown systems
- A 400m HDPE pipeline for delivering gas at a design operating pressure of 70 kPag

CS GAS tackled the plant installation with a strategic and safety-oriented mindset, ensuring the entire process was coordinated efficiently and safely. Adhering to stringent safety measures was paramount throughout the project.

## PLANT, SITES AND CAPABILITIES

CS GAS have significant experience in plant installations for the coal mining and gas industry. Our history of successful plant manufacture and installation demonstrates that we are a reliable and expert partner to provide tailored solutions for any site. Our ability to manage both greenfield and brownfield sites enables CS GAS to offer end-to-end solutions for our clients, meeting vital operational requirements promptly and efficiently.

By leveraging our in-house design, engineering, fabrication, and manufacturing capabilities, clients benefit from our end-to-end process, ensuring optimal performance and reliability of the installed plant. We focus on providing efficient and timely installations and can handle complex projects of any scale. Our unwavering commitment to safety and project management makes us a preferred partner for clients seeking seamless and reliable onsite plant installations.



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