

## case study

### DAVID BROWN GETS BLUE CIRCLE SOUTHERN OUT OF A TIGHT SPOT

Overcoming extremely limited clearances while manoeuvring a 3m diameter, 23 tonne gear for Blue Circle Southern is just the latest example of the resourcefulness regularly shown by David Brown's on-site services team.



The cement mill gearbox operated by Australia's major cement producer had suffered a bearing failure and resulting debris damaged the gear teeth. Engineers from David Brown not only attended the site to make repairs and allow continued production in the interim, but liaised closely with the client to plan the gear replacement method and keep downtime to a minimum. The contract underlines the scope of David Brown's on-site services in a market which is increasingly driven by service as well as product excellence. In this case a special cradle was constructed under David Brown's guidance and the gear was transferred into place on rails.

Recognising the importance of preventative maintenance, the company also boasts a range of applications knowledge, gained through close long-term customer partnerships in many heavy process industries, to offer performance improvements to transmissions and other rotating equipment. Using appropriate condition monitoring and analysis techniques, David Brown is able to pin point critical process issues and recommend courses of action to substantially reduce the associated risks.

## site services



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engage the excellence

The team that worked on the project is just part of David Brown's fully qualified field service engineer resource which is available in most parts of the world to provide a number of key services from performance testing, fault diagnostics through to installation/commissioning, alignment checks and emergency repairs.

David Brown's deep knowledge of transmissions and other rotating equipment, combined with its close geographic proximity, means it is well positioned to respond rapidly to our customers' needs, seeking to identify and predict issues, and offering solutions to improve their process performance.

Service engineers are also available to install and inspect transmissions and other rotating equipment throughout the world and David Brown provides installation services and alignment checks that cover everything from a simple equipment installation to a complete drive system installation. To ensure a proper start-up of the equipment, David Brown service engineers can also provide its customers with inspection services and advice on project managing installations.

Finally, experienced service engineers, using modern equipment and leading technology, provide repair services at the site to restore or enhance performance of transmissions or other rotating equipment. The services range from emergency repairs, as in Australia, to repairs of equipment during planned shutdowns. Our repair services cover all transmissions used in a variety of heavy process industries, from metals processing through to mining and cement manufacture.



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