STAMFORD®
MINING

Case history

Christmas Creek Mine

Where:
Western Australia

Specified:
28 x STAMFORD® P80 alternators

Purpose:
Alternators required for 58MW power plant at a remote iron ore mining site

Contract Power shows its trust in STAMFORD

Contract Power Group has its roots in Western Australia, where it has become a pioneer in the power generation equipment sector. Since the 1990s the company has been providing remote on-site servicing and 24-hour call-out to mining sites throughout the state and has grown to become an international organisation with customers around the world.

For many years Contract Power has been designing and delivering power plant solutions to its international clients through its 'Build Own Operate' philosophy. In the course of this work, it has come to recognise the benefits of STAMFORD alternators, and has them installed as key components of the power generation equipment at plants in three major Western Australian mining sites.

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

STAMFORD units have been put through their paces and have proven to be reliable over years of operation

The latest of the three Western Australian mining projects is Christmas Creek, owned and operated by the Fortescue Metals Group. Situated in the state's Pilbara region, the iron ore mine has a 58MW prime power requirement, making it the largest of the three sites, and uses 28 high voltage STAMFORD P80 alternators. These alternators each have a 2,500kVA output and bar wound technology.

Contract Power had already installed eight STAMFORD P80 units for the 12MW power plant it built for to the Savannah mine in the East Kimberly region of the state. Then Contract Power supplied 22 STAMFORD P80 alternators to help meet the 44MW power requirement at the Cloudbreak iron ore mine, just 50km east of the Christmas Creek site.

Contract Power Group has been an advocate of STAMFORD products. When the P80 became available with 11KV 2.5MW and higher output ratings, they were considered and then utilised these for a project in the Kimberley. Based on this experience, they have since purchased and utilised a further 52 units in two power stations in the harsh North West.

An iron ore mining environment is one of the harshest environments for any machinery to be operating in.

The two earlier sites had seen MTU generator sets equipped with STAMFORD gensets. At the Christmas Creek site, the alternators were paired for the first time with Cummins QSK78 electronically programmable engines and a control system in the site's hot, dry and dusty environment.

The striking feature of the STAMFORD alternators supplied for the sites by STAMFORD | AvK has been their reliability. At all three of these high-profile installations, STAMFORD units have been put through their paces and have proven to be reliable over years of operation.

We are here to support your future decarbonisation goals, through our end-to-end expertise in versatile solutions. Backed by the reassurance of our world-renowned brands recognised for reliability and complete peace of mind, we are with you on your journey towards sustainability.

FUTURE READY

STAMFORD | AvK™

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Part No. CS_MIN_CC_P_EN_GS_Rev. 03