



Press Release

Release Date: March 2010

## **ATB Morley's 11kV Mining Motor Receives Rave Reviews From Xstrata Coal**

**Yorkshire based ATB Morley supply largest mining motor in the world to a more than impressed Xstrata coal.**

The 11kV motor is the very first of its kind; historically most large electrical motors supplied for underground coal mining have been manufactured suitable for a maximum voltage of 3300V. Supplied by award winning ATB Morley, the motor weighing in at 10 tonnes currently stands as the largest underground mining motor in the world.

ATB Morley are a Yorkshire based designer, manufacturer and exporter of high voltage electric motors for the global coal mining markets. Their unique motor was designed specifically for Xstrata Coal, for operation at their Blakefield South site in New South Wales, Australia. The mine is a completely new underground Longwall operation for Xstrata that replaces production from their Beltana mine.

The Blakefield South site is set to be fully operational from early 2010. The project has been masterminded by Peter Henderson, Principal Electrical Engineer at Xstrata who has already been extremely impressed with the ATB Morley supplied motor.

Results from performance testing on the motor have confirmed that moving from a 3300V to an 11000V has been a hugely successful and beneficial decision for Xstrata. The increase in supply voltage reduces motor currents at these higher than normal power levels, leading to reduced cabling and voltage transformation issues.

The motor also reduces the likelihood of the motor causing issues with the electrical supply in other parts of the mine, particularly during starting. The new Joy AFC was tested over a two month period toward the end of 2009. This included stalling the output of the Voith TTT coupling to establish the maximum power of the motor.

Peter Henderson commented

*"This truly is the world's most powerful AFC"*

ATB Morley is wholly owned by the Austrian ATB Antriebstechnik which itself is owned by ATEC Industries, headquartered and Stock Exchange listed in Vienna.

**ENDS**

For more Information on ATB Morley and their motors please contact Lauren:

E: [lauren@globalpr.co.uk](mailto:lauren@globalpr.co.uk) T: 0113 218 0118