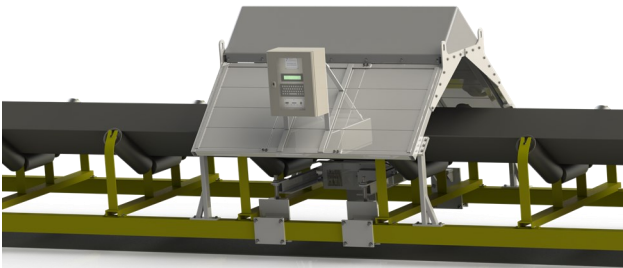# Bretby Gammatech & Kellingley Colliery

Bretby has **over 20 years of operation experience** with fully on-line ash monitoring systems. Bretby has been servicing its **Ash Eye** product at Kellingley Colliery. The Ash Eye is used on the final product belt that conveys coal to the stockpile.

The Ash Eye is a **coal quality monitoring system** that attaches to conveyor belts to monitor the coal as it is moved from the mine to the stockpile or conveyor transportation, providing real time results of coal quality to the customer.

Kellingley use the data supplied by the Ash Eye as a final check on the quality of ash content before the product is sent to storage. Bretby carry out **monthly service** and **performance checks** on the Ash Eye and produce reports that are given to the management team at Kellingley.

Steve Pringle, Head of Coal Preparation at UK Coal Ltd. said:

"Having had over 25 years operational experience with the Natural Gamma Coal Quality Monitor (NGCQM), I am qualified to say that this equipment is the most cost effective, reliable and maintenance free equipment that is available with such an accurate repeatability of on-line ash analysis.

It is the only on-line ash monitoring equipment that I would specify using when designing Coal Processing Plants which has been my technical role for the British Coal Industry. The equipment is particularly accurate when the coal product is mined from a single seam.

I receive a monthly performance report from Bretby Gammatech which quantifies the number of production shifts that the equipment has analysed and the recorded ash content data over those shifts. That information is compared to our own on-site ash analysis and the commercial certificated ash contents collected by the automatic sampling system on our CPP.

The cumulative sum of differences between the NGCQM results, the on-site Lab results and the Commercial sample results are consistently below +/- 1 percentage point. No alterations to the NGCQM calibration have been necessary for the last six months."

For information on Bretby Gammatech please visit:
www.bretbygammatech.com