



A higher level of performance

Application Reference

Coal Mine Aerial conveyor tripper conveyor control

(This type of control can be applied to all types of tripper conveyor for optimizing stockpile bunker levels and also providing protection for blockages etc.)



Application Problem:

The client wanted to optimize the stockpile height and automate the movement of the tripper conveyor. The client also wanted block chute detection for the coal feeder chutes. The level transmitters also allowed the control room to see the stockpile profile for inventory control.

Solution:

The best technology solution for the level transmitters was acoustic wave. The low frequency acoustic transmitter had a maximum range of 100 metres and a very narrow beam angle. Transducers were mounted on either side of the tripper conveyor feeder chutes. High speed response of the transmitters allowed for profile control. The blocked chute control for the feeder chutes and transfer chute of the conveyor used the Gladiator microwave switches which have a pre-test function and are non intrusive.

Both the Sultan acoustic transmitters and the Gladiator microwave switches have totally fail-safe capability.

For more application details contact the factory - contact details below.

Ordering information: (complete system)

2 x AWRT10S4XXXC15 + AWR234SUXXX + Flange/Cone
3 x GSASUS + GMSB + GMRR

Application guaranteed!

Hawk is a world leader in level, position and flow measurement, providing cutting edge equipment to the global industrial market. We have 30 years of experience and a record of success in a wide range of areas including mining/mineral processing, water supply/waste water, bulk material handling and chemical. Our ongoing commitment is to provide industry leading technology and cost effective solutions.



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