

PREDICTIVE MAINTENANCE SYSTEM

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KEY BENEFITS

- Reduced maintenance costs
- Performance improvements
- Enhanced flexibility through anticipating events
- Reduction of random events by anticipating failure through prior learnings
- Adaptable for different needs and equipment

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Alstef Group has developed a predictive maintenance, plug and play system to offer its customers an adaptive maintenance management to suit individual baggage handling systems.

This self-learning, adaptive system makes it possible to anticipate failure, detect risks of breakdowns and reorganise maintenance activity in real-time to safeguard ongoing operation.

DATA COLLECTION

Equipment based data collection through the use of sensors recording belt tracking and vibration etc.

DATA TRANSFER

Alstef Group deploy the gateway data transfer through a private network radio - LORAWAN (low consumption).

DATA ANALYSIS

Using 4G, the gateway transmits the data to the artificial intelligence platform. The platform will define the operating mode of the equipment and the presence and cause of the failure, based on the data signatures and their correlation. The real-time display of this information is done via a digital platform and can be integrated into an existing CMMS, or any other maintenance management system to trigger an application, e-mail or other alert that can be used to trigger an intervention request.

