



BUILDING VALUE INTO EVERY MOVING PART.



MONITOR



Alerta Limited

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Alerta's bespoke software system delivers real-time monitoring of specified performance ratings for all of the key components housed in engineered products. From escalators to lifts and trains to production lines, Alerta can provide users with instant online performance data reporting, pushed to any secure logged-in device, worldwide.

OPTIMISING THE ASSET LIFE CYCLE

The Alerta software system monitors and reports in real-time on the performance of a whole range of objects, remotely and accurately.

It is particularly useful in monitoring the continuous performance of moving parts in an engineered product, or on movements within a controlled environment (e.g. Shopping Centres, Tube Stations, Museums and Art Galleries).

The most sophisticated diagnostic and detection system on the market, Alerta works by:

- Placing sensors on any part of a machine – or environment – that needs to be monitored, e.g. escalators, lifts, walkalators, cars or utility plant machinery.
- These sensors are calibrated to measure the performance of that specific part, against industry/machinery standards.
- The data collected from these sensors pass, continuously, to a mini-computer (Universal Adapter Box (UAB)) that collects, interprets and collates the information.
- This real-time information is then sent by Wi-Fi, web or LAN, to whatever number of logged-in monitoring devices a client specifies.
- Monitoring devices can vary from major monitoring screens or dedicated units at a main control centre, through to tablets and smart phones being used in the field.



100% VISIBILITY. 100% CONTROL

Alerta has redefined real-time data transfer and handed back control to those in charge of managing a particular asset. Alerta enables advanced, industry-leading asset management that garners improved performance and delivers tangible cost savings.

Alerta can be configured to access digital error codes within the asset controller, displaying the error codes alongside the sensor data. Alerta shows when monitored (moving) parts within machinery actually require maintenance intervention (before moving into a 'disaster recovery mode') and crucially, when they are working normally (and don't require expensive servicing). Achieved within OEM tolerances – using a simple red, amber and green colour-coded messaging system.

- Green means the part is operating within the manufacturer/industry guidelines.
- Amber relates to a part that is operating on the cusp of these standards – as agreed with the individual clients. In this instance, a warning via SMS or email is automatically sent to the relevant employee. This allows the employee to act accordingly, prior to the issue leading to an expensive potential breakdown.
- Red indicates that the part is operating outside of the performance guidelines – which could indicate imminent failure, impacting the whole system, or that it has stopped working altogether. An automatic warning via SMS or email goes to the operators.

The Alerta system allows the analysis of fault trends and operating characteristics through the Alerta monitoring screens, giving direct access to the people that need the information, when and how they need it.

