FORTECHO™ INDUSTRY

CASE STUDY: Protecting Metal Stockpiles Outdoors
Henry Bath, Rotterdam Fruit Terminal, N.V.

HENRY BATH
Since 1794

The Company

Henry Bath has been storing and handling metals traded on the London Metal Exchange for over 220 years. They employ sophisticated stock control systems for accurate real-time reporting, and - due to the rising value of metals, and resultant high profile thefts - turned to Fortecho Solutions to create a state-of-the art wireless security solution for metals in storage at various locations.

Business Challenge

- Wirelessly monitor hundreds of metal stacks in real-time.
- Monitor access, asset movement and asset location.
- Wireless system will operate in a harsh, outdoor, heavily-metalised environment.
- System must allow only pre-authorised movement of metals in and out of the site.
- Software to be locally monitored in Rotterdam, but also centrally at Knighstbridge Guarding's HQ in London, UK.
- Ground staff must be able to manage everything.
- System must integrate with CCTV cameras on site.
- Metals sit in open space, then warehouse built around them.

The Solution

We worked closely with Henry Bath and Knightsbridge Guarding - their security operators - to create a cost-effective system with flexibility and integration at its core.

- We fit a ruggedized IS-TGAKIN movement sensing tag to metal ingots at the top of each pile - detecting if one of the pieces in the pile is touched.
- Tag design optimised for on-metal performance.
- Tags also fitted to shipping containers that create a wall between the metals and the rest of the Terminal. They must be moved to access the piles.
- RFID readers with 150m range installed in weather-sealed boxes on light rigs around the site for blanket coverage and asset triangulation.
- PC's loaded with Fortecho Industry software at each location, offering real-time monitoring, but also local asset registration and control.
- Software interface with CCTV system mean cameras pan/zoom to the asset if moved.

ROI

- Enhanced security of all assets before and after the warehouse is built around them.
- Real-time audit of the assets, accessible from anywhere.
- Instant, precise location and object information.
- Electronic historical log of all alarms.
- Henry Bath avoids devastating loss, and adds USP to their offering.

Customer Testimonial:

"When commodity prices were at a high we needed a fast, effective solution against metal theft. Fortecho Solutions provided us with the answer. If anything is moved in any warehouse in the world without permission, the Fortecho software immediately activates the CCTV monitors in our global HQ in London"

- **Terry Hanley, Planning and Contingency Director**
Henry Bath / Knightsbridge Guarding

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