

Fortecho Solutions Metal Stockpile Protection Henry Bath

Case Study



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 in Knightsbridge 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.

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 Wavetrend 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 metals and the rest of the Terminal. They must be removed 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. PCs 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.

Results

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

Customer Comments

"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 & Contingency Director
Henry Bath/Knightsbridge Guarding

FORTECHO
SOLUTIONS
STATE OF THE ART PROTECTION

WAVETREND
TOTAL VISIBILITY. ANYTIME. ANYWHERE