Business Case:
Heerema Marine Contractors

Hands-free access control takes care of staff and visitor registration.

For their new office building in Leiden (NL), Heerema Marine Contractors Netherlands B.V. (HMC) choose the Transquest Hands Free access control system using Wavetrend's active RFID tags. Transquest's solutions meets Heerema's needs in the areas of access control, staff attendance monitoring, asset tracking for laptops and beamers, and support in case of an emergency evacuation.

Heerema Marine Contracters Office Netherlands

Transquest has delivered a total security solution, including:

- A superior access control system for the parking area and the office building.
- Accurate attendance / time registration of all personnel.
- Attendance registration of visitors.
- Laptops and beamers are all tagged for optimum security.
- All doors and windows have seismic tags.
- Integration with speed gates, turnstyles, CCTV digital cameras and barriers in the parking area.

Transquest

The Transquest solution is based on active RFID. The tags, manufactured by Wavetrend, generate a unique signal every 1.5 seconds saying "I am here". This signal can be transmitted over a distance of up to 200 meters in an open environment, or around 50 meters in a normal office environment. Signals are received by tamper-proof readers which are located in strategic places out of sight. Depending on the authorization rules, as defined in the software, certain tags allow entry to a building during certain hours, and times in and out are automatically registered. The life span of a tag is about 5 years, so this is a long-lasting and cost-effective system.
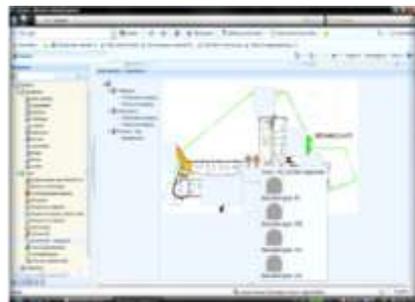
ReQuest

- Locates people and assets in different zones.
- Automatically opens or closes doors, turnstyles etc.
- Displays in real-time the individual location of any tag.
- Creates distress signals or warning messages any time unauthorized tags are sensed or if tagged items like laptops are leaving permitted zones without their owner.
- Supplies on line tracking and tracing information
- ReQuest has a web-based user interface.
- Manages CCTV cameras. Cameras can be set to begin recording if a tagged item, such as a piece of art, is moved.
- Fault tolerant database architecture. The system keeps running even if the database is temporarily offline.
- ReQuest is easy to implement with Microsoft Windows, Linux, MS SQL Server, MSSQL, Oracle, VMware and Citrix environments

Active RFID

Active RFID is currently used in many types of environment, and brings an excellent return on investment (ROI). Hospitals, manufacturing industries, logistics companies, office buildings, security for museums and prisons have all benefitted from active RFID's many applications.

Applications

- Attendance registration
- Access control
- Handling of alarm signals
- Automatic log-in procedures
- Time registration
- Asset management
- Security of laptops and other valuable company items

TransQuest
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Transquest Tag & Tracing Solutions B.V. is specialized in real time and wireless identification of assets, products and people.
Transquest supplies hands-free access control, time and attendance administration, evacuation management and asset tracking in industry, retail, prison environments, logistics, healthcare, museums and building management.