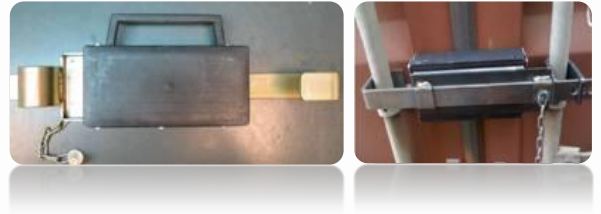# Tracking Hardware UK

Smart Container Tracking
Utilizing Cellocator CelloTrack Power & Lock Solution

THE CHALLENGE

Large industrial companies that deliver valuable cargo using containers, often encounter theft and tampering attempts, leading to significant financial damages. In addition to insuring valuable cargo, monitoring is required along the cargo's journey, from the point of origin, such as the port, along the route, and to the point of delivery, the warehouse. Many of these companies employ their own workers at the cargo's arrival and departure points, in order to maintain a high level of security. Since containers are constantly replaced and reused, a more agile tracking and cargo monitoring solution is required.

THE SOLUTION

Pointer provides a solution to resolve this situation using the Cellocator™ CelloTrack Power along with a designated lock attached to the container's door. This robust solution is based on CelloTrack Power, a self-powered standalone tracking device which along with the lock, can be installed and removed from a container within approximately a minute, eliminating the need to open the container.

Once the container arrives at the port, and the Cellotrack Power and lock are attached to the container, the customer can know exactly where the goods are at any given point, find out if there are any bottlenecks along the way, or if anyone tries to open or tamper with the container's doors. CelloTrack Power has an internal charger, which enables it to be used in situations where an intermittent power supply exists. It can be used when permanent or temporary installations are required, where power availability is not continuously available. CelloTrack family of products stand out as a perfect fit for container tracking solutions with the rechargeable long life battery and remote activation and administration. CelloTrack units can be easily attached to any type of container.

CELLOTRACK'S UNIQUE CAPABILITIES

The CelloTrack and lock are easily attached to the container and, as soon as the device is activated, it provides location, and motion information. This data is transmitted to a remote server via a GSM/GPRS wireless network. CelloTrack includes 3D movement detection which ensures transmission at different rates for moving and stationary containers. The CelloTrack Power, along with a the designated lock, provide a robust solution which is suitable specifically for working environments such as ports and warehouses, where the containers are likely to be exposed to constant movement and shocks.

FEATURES
- Standalone tracking device
- Rechargeable battery
- Long battery life, up to 3 years without recharging.
- IP67 Compliance
- Small footprint

BENEFITS
- Almost instant assembly and removal without the need to open the container
- Can be charged from any source, without removing the unit from the locker
- An embedded magnetic sensor which detects when the container´s doors are opened or tampered with.
- Accelerometer to sense movement for two purposes:
  - Detect movement in unauthorized times according to cargo delivery schedule.
  - Change the transmitting rate when cargo is in still/movement mode to save battery life. When the container is in still mode transmission is performed twice a day only, unless there are any special events such as tampering or opening of doors.

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