

# TRACKING & COMPLETION CONFIRMATION

in the industrial sector „Property and Facility Management“, e.g. building services, garden maintenance and landscaping, security services, winter service



## TRACKING OF NON-PERSONAL DATA, LOCATION AND TIME VIA GNSS

In a large number of sites, the verification of service calls, can only be realised with difficulty. With a project volume, where 15,000 sites need to be checked, transparency seems to be nearly impossible.

In the case that a service call cannot be carried out (e.g. due to illness), it is necessary to provide replacement rapidly, if possible. This business process „Tracking & Completion Confirmation in alignment with time and site prerequisites“ has to

be optimized. This means, it should be carried out automatically, faster, controlled, transparent and still more economically than before. GPS devices make this possible. Through GPS it is possible to register and verify automatically the entry or exit of a site. The IT company Flintec programs GPS devices (BOLERO-LT2) - with the support of the German manufacturer FALCOM GmbH - according to the customers' respective pre-requisites. The GPS devices are installed in the service vehicles.

The GPS positions are recorded every 60 seconds and transferred via an M2M connection to the central data acquisition server which is failure-protected. No personal tracking is carried out, only the service call on site. The GPS positions of the devices are displayed within the defined service area with help of OpenStreetMap.

Project volume: Survey of 15,000 locations within Germany by 1,350 GPS devices (BOLERO-LT2). In addition to the recording of the location and time, the verification of contract fulfilment and quality control is carried out simultaneously by comparison. In case the comparison shows a deficit, it is documented in writing and escalated either by email or SMS. Should, for example, an employee fail to come to a service site, a replacement can promptly be organised, thereby.

Flintec developed the solution "Tracking & Completion Confirmation system for mobile outdoor Services via GNSS" individually, in accordance with the requirements of the customer, within 2 months. Flintec operates the IoT solution as a cloud-based Managed Service.

### FALCOM BOLERO-LT2

The smart tracking device with leading technologies for multiple applications:



FALCOM GmbH, Made in Germany

- All-In-One GPRS/GPS Product
- Application-Ready Hardware
- Flexible Firmware Configuration
- Web-Based Management
- Robust Tracking Device

## FALCOM (MANUFACTURER)

FALCOM a storied M2M and IoT specialist from Germany, designs, manufactures and sells world-wide state-of-the-art devices, services and solutions ideally suited to numerous applications: fleet management, car sharing, usage-based insurance pricing, asset and workforce tracking and security, precision farming.



### PROJECT-OVERVIEW

- Service vehicles Connected Cars
- Collecting actual data of service vehicles (time and location) with BOLERO-LT2
- Verification by comparing actual data of service vehicles with target requirements
- Automatic, faster, controllable, transparent and more efficient

## FLINTEC (FALCOM CUSTOMER)

Experienced and competent developer of innovative, customer-specific high-tech telephony and communications solutions integrated with existing telecommunications and IT infrastructure, "Made in Germany"

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