SYFIT

LOCALISE. TRACK. OPTIMISE.

DIGITAL CONSTRUCTION

The software for the construction industry enables efficient digital management and precise location tracking. It ensures unambiguous assignment and seamless tracking of tools, construction machinery, equipment and construction materials.

1
Kategorie:
MANAGEMENT

SYFIT

Baugewerbe
Produkt des
Jahres 2022

1
Category: Management
PRODUCT OF THE YEAR
2022
Baugewerbe

LOCALISE. TRACK. OPTIMISE.

DIGITAL CONSTRUCTION

The Software-as-a-Service solution Digital Construction is a cloud-based asset management and tracking solution.

Our solution supports you in:

- identification
- active tracking
- administration
- inspection & maintenance
- organisation
- documentation & inventory

of all construction site equipment, materials and machines in the construction industry.

IMPORTANT FUNCTIONS

Inventory

- overview of the inventory
- permanent inventory

Localisation

- active localisation/location determination (indoor/outdoor)
- localisation everywhere, everytime
- material search via mobile phone on the construction site
- movement history

Digital material flow

- digital delivery note
- automated incoming and outgoing goods booking for delivery/collection

Project management & reporting

- status message (in use / freely available)
- cost centre assignment
- data mining for rental invoices
- data mining on usage information
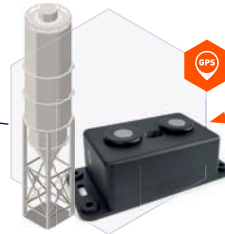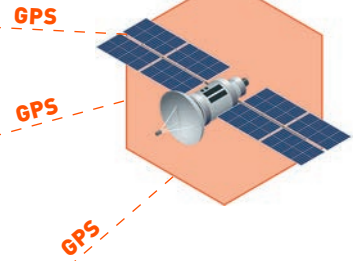- data analysis sensor technology

Web & Mobil

- experts for scalable SaaS solutions
- fast development of web and mobile applications
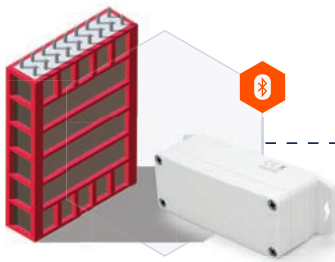
The right technology for every use

GPS tracker for installation in vehicles. The geo-coordinates are transmitted to the application.

Locating via satellite.

GPS

GPS

GPS

GPS trackers with fill level sensors independently send information with geo-coordinates to the application.

Bluetooth Low Energy (BLE) beacons send their signals to a BLE hub or a smartphone.

The geo-coordinates are transmitted to the application via smartphones or BLE hubs with connection via WLAN, Power over Ethernet (PoE) or an LTE-M card.

RFID & NFC transponders contain a unique identification number that can be read by certain readers or smartphones.

GPS tracker

A GPS tracker is a device that uses Global Positioning System (GPS) technology to track the exact geographical location of an object or person and sends this information to a receiving device.

Range: mobile network

Bluetooth-Low-Energy

Bluetooth Low Energy (BLE) beacons are small, battery-powered transmitters that continuously emit signals to detect the position and proximity of devices in their surroundings, thus enabling location-based services and applications.
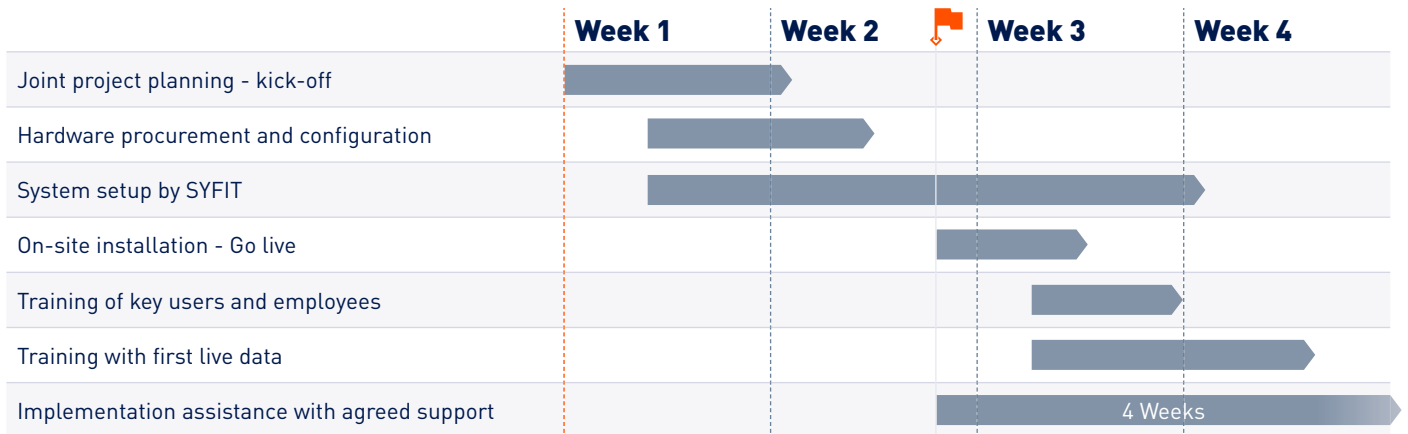
Range: up to 100 metres

RFID & NFC

NFC (Near Field Communication) and RFID (Radio-Frequency Identification) are wireless communication technologies that enable data exchange between devices or objects within short distances.

Range: up to 10 millimetres

Implementation process

	Week 1	Week 2		Week 3	Week 4
Joint project planning - kick-off	▬▬▬▬				
Hardware procurement and configuration		▬▬▬▬			
System setup by SYFIT		▬▬▬▬▬▬▬		▬▬▬	
On-site installation - Go live			▬▬▬		
Training of key users and employees				▬▬▬	
Training with first live data				▬▬▬▬	
Implementation assistance with agreed support			4 Weeks		

Your advantages

Cost reduction	Time saving	Security
■ better utilisation of own resources thus less necessity to rent ■ generation of billing information on utilisation and operating times ■ automated bookings through digital delivery notes ■ data history enables data mining for process improvement ■ reduction in material wastage and costs for new acquisitions ■ reduction of empty runs	■ overview of their location of construction materials and tools and owners ■ significant reduction in search time for missing work equipment and tools ■ availability of documents on the construction site ■ reduction of unnecessary communication and enquiries	■ operational reliability through maintenance planning ■ investment security for the future thanks to independency for technology ■ data protection and data security through the use of modern data centers of Deutsche Telekom ■ processing of large amounts of data ■ traceable and documented compliance

SYFIT GmbH
Gmünder Straße 13
73430 Aalen/Germany

Phone: +49 (0) 7361 97387-00
Mail: kontakt@syfit.de
Web: syfit.de

Gerold Schnaidt
Phone: +49 (0) 7361 97387-07
Mail: gs@syfit.de

Svenja Vetter
Phone: +49 (0) 7361 97387-08
Mail: sv@syfit.de

SYFIT