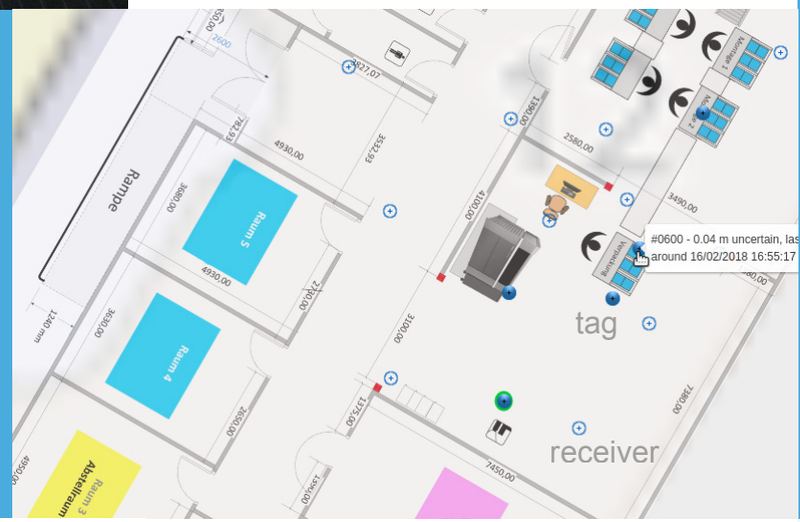
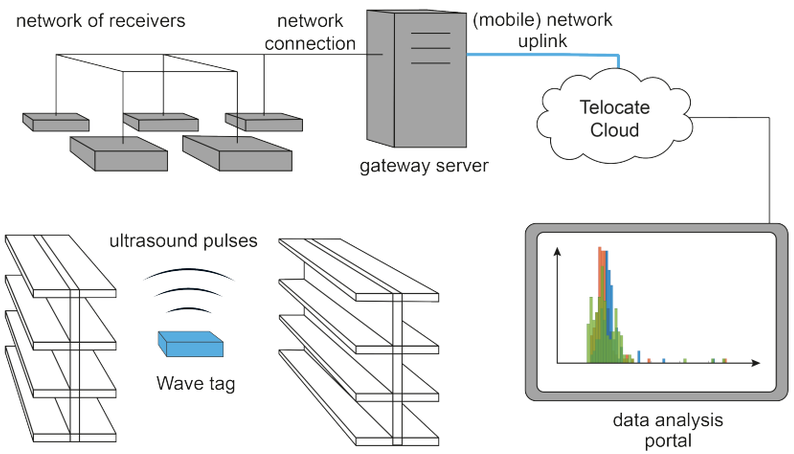
In crowded or complex buildings / navigation for blind or visually impaired

PEDESTRIAN NAVIGATION

Find and track devices such as mobile phones or the integrated Telocate Wave tag

DEVICE TRACKING





Gain statistical data and analytic insight in intralogistics (commissioning) and optimize work processes

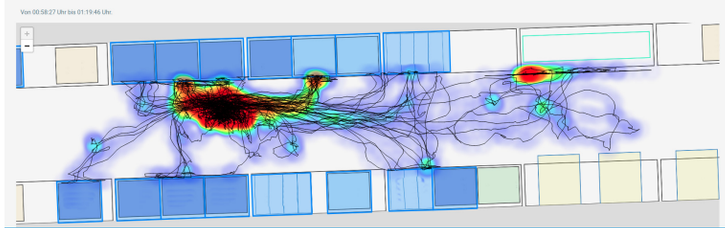
DATA ANALYTICS

DATA ANALYTICS

- detection of idle times, travel distances and many more
- process performance analysis and optimization

BENEFITS

- insight into operational procedures
- statistical process modeling



Analytics example: A heatmap summarizes the more and less frequented picking places (blue) during commissioning work.

Data analytics by Telocate enable industrial customers to optimize their production processes.

TECHNOLOGY

Mobile phone

Device (mobile phone, Wave tag) emits inaudible ultrasonic signals (sound pulses)

Highly sensitive receivers on the ceiling detect signals

Signals are transmitted to a server via network

Server calculates position of device (accuracy up to 20cm)

Position is sent to the device via mobile network

Analysis of data can begin now

Telocate was founded in 2014 as a startup company from the University of Freiburg

Telocate ASSIST is a novel acoustic indoor localization technology for mobile devices

Telocate was awarded as a *Foundation of the Year 2017* of German BMWi

IKT-Innovativ
GRÜNDUNG DES JAHRES 2017

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EUROPEAN SMART CITIES DRIVING THE FUTURE INTERNET

telocate

high accuracy indoor localization

data analytics