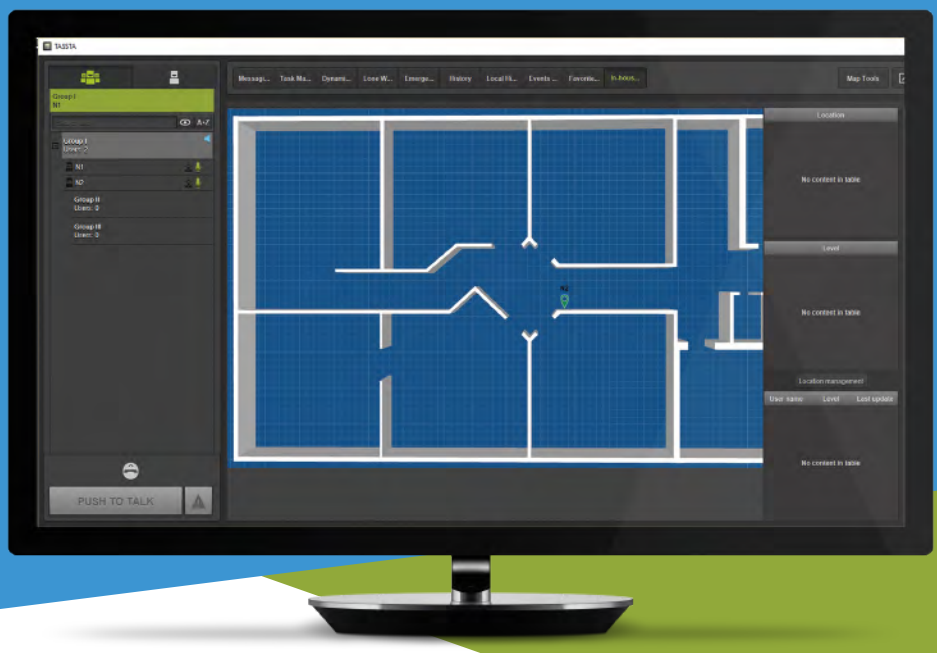
TASSTA

INDOOR LOCALIZATION



BENEFITS

- THE CONTINUOUS COLLECTION OF INFORMATION ABOUT THE LOCATION OF PERSONNEL IN HIGH-RISE BUILDINGS AND UNDERGROUND STRUCTURES.
- DETAILED MAPS ON THE FLOORS, INDIVIDUAL BUILDINGS, STRUCTURES, ZONES.
- LOCATIONS OF STAFF AND DISPLAY ON THE MAP OF THE BUILDING IN REAL TIME.
- SUPPORTED BY THE MAIN TASSTA-CLIENTS - T.FLEX AND T.RODON.
- LOCATION ACCURACY TO WITHIN ONE METER.
- INTEGRATION WITH THE EMERGENCY CALL FUNCTION.
- BUILT-IN MEASURING AND TRAINING SYSTEM
- THE DEPLOYMENT OF THE SYSTEM IN THE SHORTEST POSSIBLE TIME

TECHNOLOGY

An actual and promising addition to GPS. Allows you to accurately indicate the location of users inside the buildings and underground structures. Unlike GPS, Indoor localization does not provide global coverage, however, it is more accurate, efficient and adaptive in places such as airports, subway stations, tunnels. Technologies used in indoor-localization, allow you to detect the user even in places where the GPS signal is completely absent. Fingerprinting is the most well-known approach for solving these problems.

GPS-positioning is based on signals sent by satellites. The more satellites the GPS receiver can see, the higher the accuracy. Like satellites, fingerprinting requires the presence of active WLAN access points and / or Bluetooth tags. This technology is based on "fingerprints" - a database of measured signals from wireless LAN access points (WLAN) or Bluetooth tags on various areas of the object.

Using fingerprinting technology and implemented functionality in TASSTA allows you to determine the position of one person or the whole group with an accuracy of one meter. Moreover, the built-in tools of TASSTA-clients allow to deploy Indoor-navigation on objects in the shortest possible time. Nowadays TASSTA solution is being used in various industries at various enterprises.

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INDOOR LOCALIZATION

TASSTA

INCREASES SAFETY

REDUCES COSTS DUE TO THE OPTIMIZED COORDINATION

HELPS TO AVOID COLLISIONS AND ROAD ACCIDENTS

INCREASES EFFICIENCY

OPTIMIZE PROCESSES OF INTERACTION OF PERSONNEL AND VEHICLES

REDUCES THE NUMBER OF ACCIDENTS AND PRODUCTION RISKS

The ability to locate personnel and / or movable objects within buildings and structures allows optimizing existing production processes and making work more secure. Along with public GPS, Indoor localization is actively used in warehouses, factories and logistics companies, airports, railway stations, hospitals, fairs and museums.

Moreover, Indoor localization can be an excellent addition to systems for various purposes, and the transfer of location to the control desk (T.Rodon) will allow centralization and increase safety of work.

TASSTA Indoor localization helps to solve production problems of various levels of complexity. From the full automated localization of cargo pallets to the localization of mobile operating terminals. Implementation of TASSTA solutions at the enterprise increases efficiency and coordination of employees, improves their interaction.