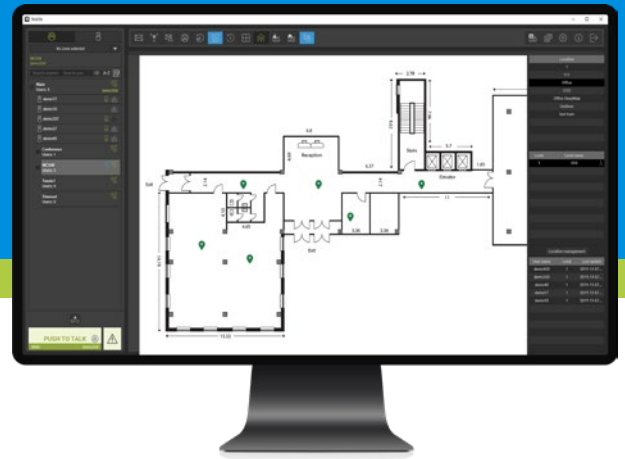


INDOOR LOCALIZATION



BENEFITS

- The continuous collection of information about the location of personnel in high-rise buildings and underground structures.
- Locations of staff and display on the map of the building in real time.
- Location accuracy to within one meter.
- Built-in measuring and training system.
- Detailed maps on the floors, individual buildings, structures, zones.
- Supported by the main tassta-clients - T.Flex and T.Rodon.
- Integration with the emergency call function.
- 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.



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.