

ASSET MANAGEMENT SOLUTION



7iD



SITUATION

Despite the ongoing digitalization, many companies are still managing their assets by checking paper lists extracted from enterprise systems, such as SAP. This method is prone to errors and other disruptions and therefore affecting the integrity of the inventory. Due to manual checking of assets against a paper or electronic list, it is difficult to confirm that assets really exist. ASFINAG, the Austrian motor-way maintenance company, operates the entire Austrian motorway and expressway network. They are responsible for the planning, financing, building, maintenance and operation of almost 2,100 km of roads and own about 50,000 assets spread in 6,000 rooms. Therefore, the demand for an effective asset management solution is huge.

SOLUTION

In order to speed up the inventory process for physical assets, 7iD Technologies installed an asset tracking solution consisting of different types of RFID tags, mobile RFID handhelds as well as individually, tailor-made business software to



KEY BENEFITS

- Save time and costs during the inventory processes
- Identify areas of optimization
- Minimize risk of errors

integrate the asset tracking solution in the current ERP system. Once all assets have been equipped with RFID transponders, a mobile application running on the RFID handheld devices detect the assets and exchanges the data with ASFINAGS's enterprise system through either an intranet and/or the internet.



The application on the mobile RFID device can be used in an offline operation mode and synchronizes all physical assets, locations such as rooms and other points of references. If an asset or the related transponder is not at the intended location, the room can be assigned with a specific status, such as “transponder missing”, “assets missing”, or “transponders defect”. This results in further clarification steps. As no human input is required the presence of assets cannot be manipulated.



With fully automated RFID data acquisition, many sources of errors and disruption are eliminated and the accuracy and integrity of the inventory is guaranteed. Thanks to a modularity, the RFID system can be easily extended to support further applications like guided maintenance.

COMPONENTS

- RFID tags on every rooms and assets like machines, tools, etc.
- Mobile RFID handheld with 7iD's asset tracking application
- Tailor-made business processes to track assets as well as alert and inform maintenance staff

CONTACT INFORMATION



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