Assion Electronic ⧢

Simplify your business

Creation of Movement Profiles by the use of RFID Technology

Monitoring of people and objects in tunnels, mines …

System description:

- Logistic RFID human and object security system
- Marking, identification and precise localization of people and objects by the use of RFID tags, RFID readers, cameras and GPS
- Integrated real-time RFID applications for the tracking & tracing
- Creation of movement profiles by the use of RFID tags and direction finding transmitters

The employees and machines of a construction site are equipped with RFID tags. It is necessary that the tunnel is divided into different sectors, so that an precise localization of the persons/objects can take place. In the tunnel sectors active long range readers as well as cameras are installed. The readers record the tags and so the respective person who can be unambiguously identified by their tags. By the identification of the people/objects in the sectors as well as the transference to the visualization program (database) you receive a continuous representation of the single movement profiles. There is also the possibility to allocate access rights for different sectors, so that by an entry of a not entitled person or construction vehicle a sound and visual alarm will be activated. Besides insists the possibility that the cameras are only activated in case of an alarm situation.

→ This system allows a continuous monitoring of people & objects, real-time representation of all expiries and movement profiles as well as a quick discovering in case of a misfortune by the use of direction finding transmitters.