

## **Albis Technologies advances people safety in the workplace with active RFID**

Zürich, Switzerland, December 20, 2011 Albis Technologies is protecting the most valuable assets of any organization its people through cutting-edge active RFID products and solutions.

Albis Technologies Zone Monitoring & Find (ZOMOFI) Division, known for its expertise in developing active RFID solutions to suit specific applications and environments, has responded to the crucial need for people safety in environments where conditions demand systems that ensure workers are protected on every level. Organizations, whether commercial, industrial or institutional, need to protect the safety and health of their people, and active RFID plays an important role by enabling the tracking of staff, information, or sensitive data.

A most recent application where Albis people safety solution is in place is at the Netherlands-based organization Falck, a leader in rescue and safety courses designed especially for staff in the off-shore and maritime sector. Falck has installed a ZOMOFI people safety system in its largest training centers in Holland. Through the installation, Albis, in collaboration with security system provider Nsecure, demonstrates how active RFID can help in the prevention of incidents and the effective handling of emergency solutions for a safer working environment.

The system is configured with ruggedized tags and controllers to monitor operations for secure evacuation and people tracking in real-time, offering high flexibility risk avoidance in rescue situations and improved education and safety, said Zeno Stämmer, Vice President of Albis Technologies and Head of the company's RFID division.

Arno Wubben, Product Manager at Nsecure said: It was really a challenge to provide an active RFID system to a building which is on fire every day, and will then be extinguished with 2400 liters of water per minute. A worse case scenario project, but with the right partnership (active RFID technology of Albis integrated in the Yardz management system of Nsecure) we made it a success.

The small design and excellent climatic resistance allows the ZOMOFI S3135-H550 Z-Tag or the S3135-K633 Z-Tag Motion Plus to be easily carried by personnel or to be attached directly onto the surface of vehicles, containers, and metal assets. The multifunction features, which for example allow the level of shock, man-down or free-fall situations to be detected, also include reading and writing operations to and from the user data memory. The high scale of integration allows for compact and low-power performance in which the unique battery lifetime is achieved without sacrificing the reading and writing range. The tag's service life of 6 to 10 years, depending on usage, is extremely long, particularly given the harsh environments

where it is often utilized.

The ZOMOFI Z-Controller comes in two robust versions, S3135-H1xx and S3135-H2xx, for use in indoor and outdoor conditions. Both can be built into the durable outdoor case together with outdoor power supply and connectors to the IT-network and to the RFID antenna. If desired, the antenna can also be attached to the inside of the case for best protection. The protection against strong splash water and dust, together with the simple mechanical handling, are two main advantages. The case can be easily connected (230 VAC) and has numerous ways of being mounted - to a wall, on a pole or in a vehicle. One single controller can operate at least 1,000 tags with several available topologies from simple star networks to complex clusters.

Due to the extremely hazardous conditions at Falck where fire, water and small explosions are part of the environment, the new Z-Controller SpotZone has been introduced. The ZOMOFI element allows 'spotting the zone'<sup>1</sup> for the best possible localization of the people in danger. Each SpotZone is battery driven since cabling in these areas is neither feasible nor cost-effective.

ZOMOFI products are being deployed in many people safety and security applications in multiple sectors. In an offshore environment such as a rig or oil platform, there are many critical areas in which workers are exposed to potential danger. These areas can be monitored by a ZOMOFI system, which provides decision-makers with the number of people present, the ability to find the nearest expert in cases of emergency, and the monitoring of blow out systems and machinery malfunction. Similarly, in a military environment the tracking system can monitor personnel, in particular the large and constantly moving population of a military base, the location of important equipment, and maintains control over sensors. In addition, this technology is also ideal for less critical, but important applications in which the monitoring of people can have security benefits, such as hotels, banks and schools.

For more information see: [www.albistechnologies.com](http://www.albistechnologies.com) [1]

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