

ROSENBAUER GROUP

- **New information system developed to provide the emergency services with mobile operational management**
- **Conclusion of the research project presented in the course of a large-scale exercise in the Noitzmühle Tunnel**
- **EMEREC in operation from 2010 onwards**

Leonding, September 17, 2009

Together with its project partners, the Austrian Fire Services Association, the Upper Austrian "Fachhochschule" in Hagenberg, mobilkom austria and Siemens, in the course of a research project, ROSENBAUER has developed an information system for mobile operational management. The focus of this system is on the support of emergency services leadership through improved networking and the provision of up-to-date information.

The results of the research project are to be turned into an efficient system, which will bear the name EMEREC, and be operational with the fire services from 2010 onwards.

Presentation of the research project as part of major exercise

Under the auspices of the Wels Volunteer Fire Service, the new system is to be presented to a circle of experts on September 17, 2009, in the course of a large-scale exercise. The scenario of the exercise in the Noitzmühle Tunnel on the A8 Innkreis motorway, envisages an accident situation involving several vehicles. The rescue of trapped persons and the handling of hazardous substances are to be practiced with several emergency organization units. During the alarm, the new system is to be employed for information gathering, the coordination of the emergency services, the ongoing provision of situation reviews and documentation.

A mobile system with user-friendly operating surface

The key to the smooth completion of an emergency operation lies in the type, quality and availability of the right information. This permits the optimization of emergency procedures during the rescue, recovery and protection of people, animals and property, as well as the extinguishing of fires. Using EMEREC, an extensive range of analogue and digital data will be combined in a standardized form to create an efficient information system.

EMEREC's basis consists of a combination of a mobile end device with a central database and links to the main operational computer and other external systems (e.g. live video). Via mobile end devices (e.g. tablet PC), the head of operations and all the other emergency services involved, can receive comprehensive information of relevance to their tasks from a single source. Moreover, the user-friendly preparation of situation-related content facilitates the rapid and intuitive employment of the system.

Consequently, information such as geographical maps, fire protection and alarm plans, checklists, water plans, hazardous material data sheets, vehicle rescue information, weather forecasts, the status of the available operational equipment, and much more besides, are all readily available. This means that the head of operations requires fewer files with plans and documents in the emergency vehicle and due to automatic updates, the actuality and quality of all the data provided is guaranteed.

Project-related, interface integration to external information sources such as video systems, water line plans and electrical cable plans, as well as data relating to water course levels, fire alarm systems and operational control points, etc. is also possible.

Information is supplied via a secured line, which meets the highest standards with regard to data transfer and storage. Access rights can also be individually regulated and even in the case of an online link failure, the most important information is retained.

Support during the preparation of operational reports

EMEREC can also be used for the collation of information relevant to operations such as alarm data, operational proceedings, routes and the use of resources, etc. This stored information can then be employed for operational reports and statistics.

Development within the scope of the KIRAS grant programme

The Austrian Safety Research Support Programme (KIRAS) supported the development and realization of this emergency service information management system. KIRAS assists national research projects with the aim of enhancing the personal safety of every section of the population.

Clear information for targeted decisions is vital to smooth-running operations, as when fires, accidents and disasters occur, the head of operations becomes a manager of diverse scenarios. It is these challenges that can now be bettered mastered through the on-the-spot availability of all the information required.



Project leader - ROSENBAUER Group

The ROSENBAUER Group is the world's leading manufacturer of fire-fighting and disaster protection vehicles for airports and industry. ROSENBAUER is a full-liner with over 1,800 employees and an extensive range of municipal fire-fighting vehicles and aerials in line with both European and US standards, a comprehensive selection of airport and industrial vehicles, the latest extinguishing systems and special fire service equipment. In 2008, the Group, which is represented in over 100 countries, generated revenues amounting to more than EUR 500 million.

Project partner – Austrian Fire Services Association (ÖBFV)

The Vienna-based ÖBFV is the umbrella organization for all fire service associations in Austria's federal provinces, as well as urban professional fire services. The ÖBFV's main task is the coordination of the fire services throughout Austria in the areas of organization, training and technology, etc. (Technical) guidelines for preventive fire protection (TRVB) are drawn up jointly with the Austrian fire protection authorities.

Project partner: FH OÖ Forschungs & Entwicklungs GmbH

The FH Oberösterreich (Upper Austria University of Applied Sciences), with Schools in four locations in Upper Austria (Hagenberg, Linz, Steyr and Wels), is Austria's largest university of its kind and a field leader in education and research. The University's Research and Development arm (FH OÖ Forschungs & Entwicklungs GmbH) focuses on the needs of society and commerce by developing innovative and practical applications in a range of areas. Key topics include informatics, communications and media (Research Center Hagenberg), health and social sciences (Research Center Linz), management (Research Center Steyr) and engineering and environmental sciences (Research Center Wels.)

Project partner - mobilkom austria AG

With 4.6 million customers and a market share in excess of 42 per cent, mobilkom austria is the nation's leading mobile communications supplier. In 2008, the Vienna-based company had revenues of EUR 1,668 million. mobilkom austria's innovative leadership is underlined by the world's first GPRS start in August 2000, the launch of Europe's first commercial UMTS network in April 2003, and the global premiere of HSDPA in the UMTS network in January 2006 and HSUPA in February 2007.

Project partner - SIEMENS AG Austria

Siemens Aktiengesellschaft Austria is one of the nation's leading technology companies and has a workforce of 8,371. In the 2008 financial year, the company had an order intake of EUR 3,373.0 million and sales totaled EUR 2,795.9 million. Business activities are focused on the three sectors comprised by industry, energy and healthcare, as well as outsourcing, IT solutions and services. For almost 130 years, the name Siemens Austria has stood for technical efficiency, innovation, quality and reliability. Siemens AG Austria leads the way in the R&D field and with its product portfolio provides sustainable solutions to the major issues of our time. Siemens AG Austria plays a central role in the Siemens CEE Cluster, which incorporates 19 countries. Additional information is available under www.siemens.at.

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