

App “INTERPRETER” proved successful in operation

Successful completion of research project during civil protection exercise in Murau

As a partner of the AIT Austrian Institute of Technology, Frequentis contributes its expertise to the research project INTERPRETER with the provision and integration of safety-critical systems. The project, funded by the Austrian Security Research Programme KIRAS, comprises the electronic information exchange between civil and military control centres and management information centres for civil protection and disaster control. During the civil protection exercise in Murau in October, the application was tested in various scenarios.

In the event of a crisis, prioritisation and the coordination of operations are of particular importance. Creating a common overview of the situation forms the basis for increasing the effectiveness and efficiency of the aid measures.

As part of the INTERPRETER research project, which Frequentis carried out in cooperation with the project coordinator AIT Austrian Institute of Technology, new technologies for the electronic information exchange between civil and military control centres were explored. The objective is to support the Austrian Armed Forces and other organisations involved in civil protection in the event of a disaster. Another key aspect is the involvement of the civilian population in the crisis and disaster management process.

INTERPRETER proved its strength in practical use in Murau, Upper Styria, on 3 and 4 October 2018 during system tests which were part of the final exercise of the research project. Various scenarios of natural disasters were tested: roads and railway lines blocked by fallen trees, trapped persons, failures in telecommunications, or accidents with leaked hazardous substances. For this purpose, the INTERPRETER app, which was operated by civilians, was used to enable a faster assessment and response of the respective situation.

On behalf of the Austrian Armed Forces, Colonel Ernst Trinkl, Deputy Military Commander of Styria, stated: "Civil-military cooperation is a core task in the broad spectrum of tasks of the Military Command Styria. This is all the more important since in the event of disasters, procedures and processes must be harmonised and synchronised between the operating emergency organisations. This exercise also contributes to the goal of ensuring that all acting representatives of the emergency organisations know

each other and that the cooperation is further strengthened based on trust and professional competence".

Ivan Gojmerac, expert at the AIT Center for Digital Safety & Security, is also satisfied: "INTERPRETER builds on the AIT research activities of recent years as well as on the INKA project from the KIRAS security research programme of the Federal Ministry for Transport, Innovation and Technology (bmvit). The special feature of the new INTERPRETER communication and interoperability solution lies in its ability to interconnect different crisis and disaster management systems, such as multiple management information systems and mobile media tools to create a condensed, common situational picture in real time. The connection of the existing IT systems in crisis and disaster management together with the latest achievements in mobile multimedia technologies enable an optimal interaction of people, technology, and the organisation— even in particularly difficult situations."

"The INTERPRETER project contributes significantly to the further development of the civil-military interoperability of the Frequentis Incident & Crisis Management (ICM) solution. The system has proven its worth particularly in the situation assessment of a CBRN (chemical, biological, radiological, nuclear) damage, where a seamless data exchange between the control centres enabled the incident to be dealt with quickly and efficiently. The successful completion of the civil protection exercise using this system underlines the importance of research projects for industry partners such as Frequentis in order to guarantee optimal technical support for the emergency response organisation," adds Georg Trausmuth, Head of Corporate Research at Frequentis.

As an international provider of communication and information systems for control centres with safety-critical tasks, the Austrian high-tech company Frequentis invests 12 % of its annual operating performance in research and development, which makes Frequentis a recognised innovation leader for civil and military air traffic control, public safety, and in the railway and maritime sector.

About AIT Austrian Institute of Technology

The AIT is Austria's largest non-university research institute and is, among European research institutes, a specialist in key infrastructure issues. The Molecular Diagnostics business unit focusses on biomarkers, assay development, bioinformatics and diagnostic biosensors and has several patents on biomarkers for cancer. The group combines innovative high throughput technologies with their own in-house workflow-based data analysis tools to support partners and customers in the ultimate goal of defining biomarkers for personalized medicine and early disease detection.

Find more info here: www.ait.ac.at/dss

Contact:

Mag. (FH) Michael Mürling

Marketing and Communications

AIT Austrian Institute of Technology

Center for Digital Safety & Security

T +43 (0)50550-4126 | M +43 (0)664 2351747

michael.muering@ait.ac.at | www.ait.ac.at



Photo: JOANNEUM RESEARCH

About FREQUENTIS

Frequentis is an international supplier of communication and information systems for control centres with safety-critical tasks. These control centre solutions are developed and distributed by Frequentis in the business segments Air Traffic Management (civil and military air traffic control, and air defence) and Public Safety & Transport (police, fire and rescue services, emergency medical services, vessel traffic and railways). Frequentis maintains a worldwide network of subsidiaries and local representatives in more than fifty countries. The company's products and solutions are behind more than 25,000 operator positions in almost 140 countries. With this extensive portfolio, Frequentis is the leading provider of voice communication systems... all making our world a safer place every day!

For more information, please visit www.frequentis.com

Mag. Brigitte Gschiegl, Director Corporate Communications, Frequentis AG,
brigitte.gschiegl@frequentis.com, phone: +43 1 81150-1301