



BAVARIAN POLICE: SUCCESSFUL IMPLEMENTATION OF FREQUENTIS 3020 LifeX™ AT THE 2015 G7 SUMMIT

The 2015 G7 Summit at Schloß Elmau from 7 - 8 June was the largest operation in the history of the Bavarian Police with up to 18.000 emergency services personnel protecting heads of governments while controlling demonstrations. In support of these priorities was a new voice communications solution integrating analogue and digital radio; developed and adapted especially for the needs of this large-scale event: the Frequentis 3020 LifeX™.

IMPACT

- **Reliability:** In time for the “Frozen Zone” on 1 May 2015, the 3020 LifeX™ was in operation in support of a bug-free, redundant and fail-safe level of performance. This key milestone for the standardisation of regional sites within the Bavarian Police, planned by 2016, was achieved.
- **Ease-of-use:** The operators got used to the solution very quickly as a result of the intuitive GUI with a uniform touch display for both analogue and digital radio.
- **Efficient Growth:** 3020 LifeX™ can scale linearly, as it can integrate existing and new systems, services and technologies as well as social media channels and used on any mobile device. It is ready for the NG 112 LTD standard and other new developments like eCall and GIS.
- **Cost Control:** The customer is not bound to any proprietary hardware and can choose from independent modules in order to adapt to the solution to their specific needs. The customer is free to select any OTS hardware that is VMware-certified and meets the appropriate power specifications.

“After the visit by the pope and the Football World Cup in previous years, the G7 summit was yet another significant large-scale event for which a reliable partner was of great importance to us. Our work together with Frequentis went very well and was highly professional. All of the requirements were met and implemented within the allotted time and to our fullest satisfaction”,
said Walter Wust, head of the I&K department at the Upper Bavarian Police Headquarters



CUSTOMER PROFILE

The Bavarian Police are one of the largest police associations in Germany; comprised of about 41.400 employees spread across ten regional police headquarters.

BUSINESS SITUATION

Bavaria will be the last of the German federal states to implement the German BOS digital radio in 2016. To standardise voice communications across all control centres, the Bavarian Police were looking for a state-of-the-art-solution beginning in 2014. There was also an additional requirement: The solution had to be ready for the 2015 G7 Summit in June.

SOLUTION

Working in close collaboration, Frequentis and the Bavarian Police launched a new generation in voice communications within a year's time. The modular software platform, Frequentis 3020 LifeX™ integrated analogue and digital radio, was easily assessable via an intuitive touch display and available within the requested time for the G7 Summit. The software supported up to 280 working positions for operators throughout the conference. The 3020 LifeX™ interface to the existing CAD system from Intergraph enabled redundant monitoring of emergency services personnel – a key benefit for the G7 Summit.

Technical specifications and requirements are correct at the time of going to press, but may change without prior notice as our products and services are continually updated. Frequentis has endeavored to ensure that the information in this document is, to the best of its knowledge, correct, but does not accept any liability whatsoever for any error or omission.

ANALOGUE AND DIGITAL IN LINE

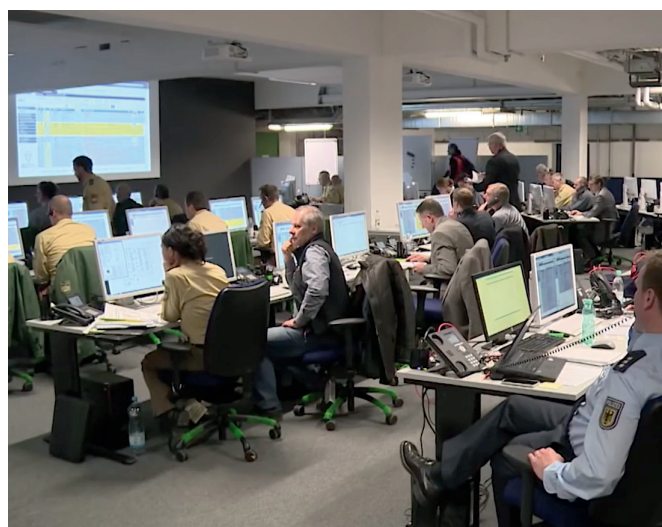
Since February 2014, the Free State of Bavaria has been implementing the infrastructure for the BOS digital radio network in order to be prepared to go into operation in 2016. Analogue and digital radio were used in parallel by the police associations during this time. Also during this timeframe, the G7 Summit at Schloß Elmau took place, which proved to be a great testbed for the emerging digital radio network. This event helped to define the future standard in digital voice communications for the Bavarian Police.

At the beginning of 2014, the functionality enabled by the Frequentis 3020 LifeX™ still was a future vision. The system architects and software engineers of Frequentis worked on a modular software for future control centres; which utilises existing IT infrastructures, is scalable, integrates all communication channels and systems, is intuitive and can be used on any device - supplemented by the proven DIVOS 3 log Voice Recording. "Our systems have been developed especially for safety-critical applications. We are pleased to apply our expertise from other large-scale events such as the Olympic Games in 2004 and 2012, along with the G7 Financial Summit", confirmed Robert Nitsch, Director Public Safety at Frequentis.

HIGH AVAILABILITY DURING PEAK PERIODS

Shortly before Christmas 2014, the first digital radio communication was initiated via 3020 LifeX™ and the newly established digital radio station. During February of 2015, initial acceptance testing of the system began. In April, the first practical test took place, along with the integration test via a command post exercise. Over the course of two days, the 3020 LifeX™ was tested at full capacity based on real emergency scenarios. After this testing period, stabilisation was the focus.

On the 1st of May, 2015 a live trial period began with more and more operators being added to the system. In the peak period from the end of May until the end of the Summit, Frequentis provided a team of twelve individuals to be onsite in order to monitor the performance of the system. More than 140 of the 280 working positions were active in fully loaded capacity operation for two hours during the arrival of the official guests. In the afternoon, a civilian demonstration caused a large scale operation as anti-globalisation activists attempted to advance to Schloß Elmau. The police



Pictures: Polizeipräsidentium Oberbayern Süd

successfully controlled the situation with the support of the fail-safe voice communications. The Frequentis 3020 LifeX™ passed the test and will be the voice communications standard for the Bavarian Police going forward.

INNOVATION THROUGH DEVELOPMENT WITH THE CUSTOMER

Between the initial order in April, 2014 and the summit in June, 2015 there was only one year of time to create a new and intuitive solution according to the G7 requirements. Achieving this goal required intensive collaboration between Frequentis and the customer. The IP-based voice communications system 3020 LifeX™ integrated analogue and digital radio channels and provided fail-safe and tap-proof communications within the region where the Summit took place, including across the German-Austrian border. Another key success was the smooth interaction of the 3020 LifeX™ with the CAD system from Intergraph. Intergraph's Computer-Aided Dispatch System (I/CAD) was available on nine fully-equipped working positions in the situation room in Garmisch-Partenkirchen. 1.000 IT working positions had access to the CAD via a web component.

„During this project a harmonic, productive partnership was developed with Frequentis, and as a result a motivated and focused team emerged.“

Walter Degenhart, responsible part-project leader, Upper Bavarian Police Headquarters

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