



## Press release

Offenbach am Main, 01/10/2019

### **Energy Industry Symposium: Challenges for companies in regard to security-critical communication**

**The Energy Industry Symposium will take place on 27 November at PMRExpO 2019 at Koelnmesse. The symposium is aimed at representatives of energy suppliers and municipal utilities and will examine issues of security-critical communication from the sector's perspective. Matthias Lampe (KAITEC GmbH), moderator of the symposium, describes the challenges the sector currently faces in regard to security-critical communication: 'Especially for companies whose core business - such as securing the energy supply - absolutely relies on secure (mobile) communication, the current situation appears diffuse. The only systems for mobile, mission-critical TETRA and DMR communication currently available do not offer adequate data transmission rates for broadband applications. Whether frequencies will be available in Germany in future for private mission-critical 4G or 5G systems to replace the TETRA and DMR systems is not yet clear.' For the time being, frequencies for digital bundle radio systems in the 410 to 430 MHz range are being allocated only up to the end of 2025.**

#### **Technology mix for users with higher requirements**

Matthias Lampe believes that users who have at least in some areas higher demands as regards availability and failsafe performance of their radio systems will have to rely in future on a mix of technologies: mission-critical services will be provided through their own hardened wireless system, while non-mission-critical services will be provided via public mobile wireless networks. Users with higher demand for availability and failsafe performance of radio systems include operators of critical infrastructure in particular.

### **Concepts, technical options, field reports and regulation**

The Energy Industry Symposium aims to suggest ideas and indicate potential solutions for the communication of operators of critical infrastructures in the energy industry in future. High-ranking speakers will present concepts for implementation, outline the technical possibilities of various systems, share their experiences from implemented projects and explain the regulatory framework. The focus is on the preparation of a blackout and efficient response in crisis management, the eminent importance of telecommunications for the critical infrastructure of an energy utility, use cases of secure communication in the energy industry (including the 450 MHz solution) and convergent radio solutions for more efficient communications at energy utilities.

### **National 5G Energy Hub, Mission Critical LTE and LPWAN Technology**

Under the heading of the 'National 5G Energy Hub', participants at the Symposium can learn more about digitalisation in energy technology, central and decentralised solutions as well as specific solutions, such as a regional virtual power plant, protection concepts for the electric low-voltage network and the monitoring of energy management systems for buildings. Speakers will also explain how energy utilities can use mission critical LTE and which frequency ranges are available for private radio networks, now and in the future. And last but not least: representatives of companies and utilities in the energy sector will discuss the LPWAN technology.

### **Overview of events schedule (tickets can be booked separately or as a package):**

26-28 November 2019 Show

26-28 November 2019 Summit: Secure Communications (Focus: Command and Control Centres)

27 November 2019 Symposium: Energy Industry

Current information and details on <https://www.pmrexpo.com>

**PMRExpo**, the leading European specialist trade fair for the Secure Communications Network, is taking place for the 19th time. Since 2009, it has taken place at the Koelnmesse, the trade fair location in Cologne. A substantial number of national and international exhibitors are represented, including manufacturers, users and operators of professional mobile radio systems. PMeV - Netzwerk Sichere Kommunikation is the conceptual sponsor of PMRExpo. The event is hosted by EW Medien und Kongresse GmbH.

<https://www.pmrexpo.com>

**PMeV** is an association of experts for communications solutions in mobile professional mobile radio systems. Their members comprise manufacturers, system and application houses, as well as network operators and users. The aim of PMeV is to develop the PMR market in Germany. It showcases the significance of PMR solutions for businesses and the economy and influences the political and regulatory conditions for the use of professional mobile radio systems. As a leading key expert for PMR in Germany, the association offers a dedicated forum for a neutral, manufacturer-independent dialogue at eye-level with market partners, politics as well as with the authorities and institutions. In addition, PMeV offers manufacturers, users and decision makers a neutral dialogue platform to evaluate technologies and discuss the opportunities and risks of technical solutions and concepts. PMeV promotes standards and actively contributes to their further development to meet the demands of the German market.

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