

Portalify mobile messaging and data services

Secure, efficient communications for public safety officials

The mobile voice and data communications of public safety services are increasingly carried out through all-digital networks based on standardized TETRA technology. These networks for professional users are designed to provide reliable communications in both everyday operations and sudden disaster situations. The dedicated communications network for official use is often an essential part of nationwide security infrastructures.

TETRA networks are used in over 70 countries. They are built to replace a range of obsolete and insecure radio communications systems previously used by public safety and government organizations. The consolidation of communications to a single network brings significant cost savings and enables communications channels to be separated or combined on demand.

Investments in a dependable communications infrastructure help secure the efficient operations of safety and rescue organizations in critical situations. Communications channels that are always available can prevent dangerous situations from escalating and can even save lives.

When ordinary mobile phone networks are insufficient

TETRA networks are fundamentally different from mobile phone services for consumer and business use. TETRA is ideal for fast and secure distribution of mission-critical information to limited user groups, while mobile phone networks are designed for one-on-one voice communications for a very large subscriber base.

With its unique combination of mobile phone and radio handset technology, combined with wireless data services, TETRA safeguards reliable voice and data communications for public safety officials in all situations. TETRA provides seamless communication even at large-scale public events and during crises that often overload ordinary mobile networks.

Versatile, instant voice and data communication to groups, as well as the prioritization of communications, are essential to field personnel and operations management in fast-moving situations. Direct handset-to-handset radio connections enable communication even without a base station network. Data services provide users with quick and direct access to key databases from their terminals.

Ordinary mobile networks lack these features, which are essential for public safety officials and field staff. Third-generation mobile networks do offer instant Push-to-Talk (PTT) features, but these consumer-grade services fail to provide the functionality and reliability that is required for mission-critical use.

Messaging services increase the value of TETRA investments

The efficiency and versatility of TETRA utilization contributes directly to the service level of public safety organizations. In addition to secure voice communications, TETRA supports a range of data services that provide further benefits and increase the return on investment for organizations using the networks.

Portalify Ltd, a Finland-based software company focused on wireless data services for public safety users, develops solutions for TETRA networks. Portalify applications enable services such as instant individual and group text messaging, as well as fast mobile access to key databases regardless of user location.

In Finland, the nationwide Virve network based on TETRA technology was introduced in 2003. Virve includes over 1,200 base stations and connects more than 26,000 terminals. Major users include the fire and rescue services, the Finnish Police, the Border Guard, social and healthcare organizations, Finnish Customs and the Finnish Defence Forces.

Portalify: secure, reliable TETRA data services

Portalify's solutions enable TETRA terminals to access a wide range of data services securely and reliably. Multi-channel technology complements TETRA communications with other mobile networks where necessary, thus ensuring that the information is always delivered.

In Finland, Portalify solutions power numerous key applications used daily by Finnish police officers, facilitating routine tasks and supporting efficient reporting. Other Portalify customers include public sector organizations such as the safety, fire and rescue services, as well as major telecom operators and content providers.

The core of Portalify's product family is Data Messaging Server (DMS), which serves as the software platform for data services. The highly scalable and reliable solution can be customized flexibly with DMS Extensions software modules.

Portalify products also include a range of ready-made DMS Applications that enable fast and easy implementation of services such as Instant Messaging for groups. In addition, Portalify offers DMS Services software solutions that are customized according to user requirements. These include, for example, the traffic fine calculator and various database applications used by the Finnish Police.

Further information:

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