



PROTELION

Use Cases

Highly Secure Communication for Military and Special Forces

In our time, field operations and classified missions carried out by special forces, anti-terror squads and in particular military field commands are becoming more and more important. For these special use cases, robust equipment and reliable communication links are essential, which on top must meet the highest security encryption standards to ensure mission success and to protect the lives of troops and squads. For such sensitive mission scenarios and use cases, Protelion offers its tailor-made secure voice and messenger solution that protects voice, data and documents such as mission plans, strategic or tactical planning details, classified documents, military orders, imagery and location coordinates and other important verbal and written information. With Protelion Security Solutions they can all be transmitted easily and highly secure between different units.

Duties and As-Is Situation for Military and Special Forces

In an ongoing special forces mission or military operation real-time information about the situation on the ground, the position of the force and tactical communication are constantly exchanged between platoons, squads and the mission control headquarters

During preparations for an operation, logistic information about weapons, ammunition, transport routes and other sensitive strategic information is interchanged between various involved sites and units

Sensitive information about special force units and, in particular, personal data about the unit members are recorded and stored in mission files and personnel files

Project Specification

The entire mission success and the lives of the special forces members depend on secured and protected voice and data communication at all times and in all places. Protection against eavesdropping and manipulation of crucial information needs to be implemented

Due to the high vulnerability of special forces when transported, dropped off or got picked up at a secret location, it is mandatory and vital for all involved to protect this information by all means

For obvious reasons all personal records and information of special forces members need to be highly classified and secured to prevent retaliatory attacks on themselves or their families. This has highest priority especially for anti-drug commands

Project Implementation

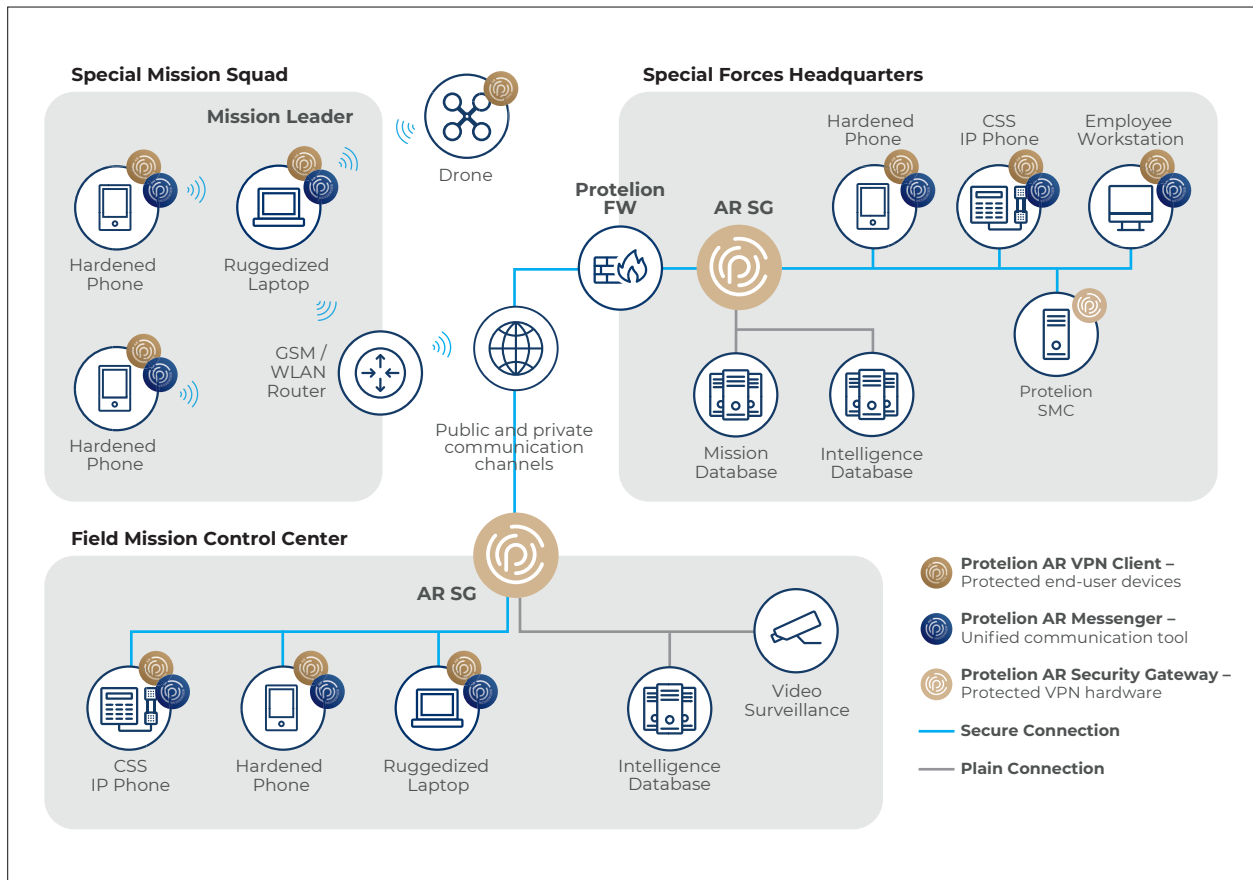
1 The implementation of the Protelion Security Solutions provides a military grade secure and eavesdropping resilient connectivity for special forces. Every squad is then equipped with the ability to securely communicate with headquarters and other units through any available public and/or private networks

2 All involved units and departments gain the unique ability to establish encrypted peer-to-peer connections and are owners of their security keys. These features allow to protect and guarantee confidentiality and integrity of all crucial personal, tactical and strategic operation information

3 Mission planning personnel are also connected via a secure, protected IP infrastructure, that protects both landline and remote access to and from databases, thereby enabling the processing of sensitive data and communications. This protection helps to prevent data theft or data loss and to protect the safety of officers and soldiers

4 All field communication endpoint devices are hardened and protected against various types of cyber threats such as malware, zero-day exploits, fileless attacks and malicious user behavior

Scheme for Military and Special Forces



Protelion Features

Certified AES Algorithm

The implemented and certified Protelion encryption algorithm and the pre-shared symmetric key regime are designed to protect top secret data and voice communication and meet military grade security standard and requirements

Always on duty

Protelion VPN Communication Technology uses the principle of non-session connectivity, which is an important feature when connecting via poor and unstable communication channels

Easy Use and Integration

Protelion Security Solutions are easy and fast to commission and offer comprehensive protection against a wide range of cyber threats, using advanced technologies and flexible, modular and cost-effective hardened platforms

Operational Availability

Special forces units can communicate securely with one another from anywhere, over any available connections, whether wired, wireless or by satellite, without having to reconfigure the Protelion applications