

The secure communications solution dedicated to armed forces

At the heart of the crisis

In operational situations where agility is crucial, mobile technologies offer new perspectives by lightening communications systems and consequently, dramatically reducing the weight of equipment worn by the soldiers for a maximum of efficiency during operations.

Auxylium is a 4G / LTE communications system based on a secure smartphone. Its software suite enables all the forces involved in a particular operation to exchange information rapidly and securely.

This modular system is based around Helium, a hub that automatically and

seamlessly switches from the public 4G network to a private one by setting into place either mobile LTE "bubbles" or a fixed infrastructure.

This overcomes the potential risks of public networks saturation or collapsing in the event of a crisis and guarantees

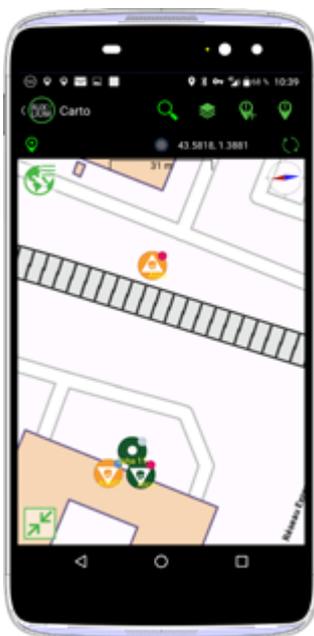
the continuity of communications during on-going operations.

Auxylium's resilience and ultra high-speed mobile communications brings flexibility and adaptability to various applications in order to answer the specific demands of many types of operations.

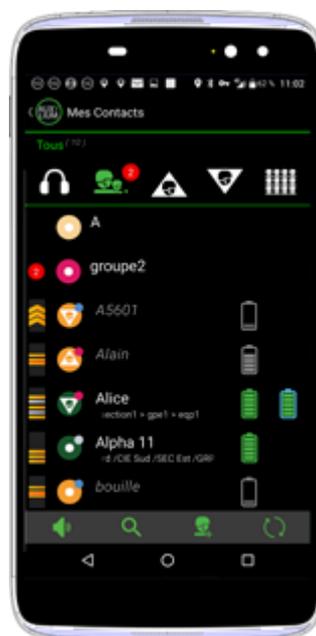
A multi-purpose solution

The system is highly flexible, so that it can easily be customised to different needs and situations, including:

- VIP protection
- Sensitive areas protection
- Special forces operations
- Battlefield management



Mapping screen



Contact list and groups screen

A proven system

In 2016, Auxylium was chosen by the French Army for a deployment in national emergencies and has been used as the communications and operational backbone of the government's counter-terrorism initiative named "Opération Sentinelle". Since then, Auxylium has been used in some 80 major incidents including four terrorist operations. In three years, over 22,000 personnel have been trained to use the system.

Designed in France and marketed internationally, Auxylium is a scalable system that has been enhanced through feedback from numerous operational staff on the ground. The solution offers a guaranteed roadmap of on-going innovations.

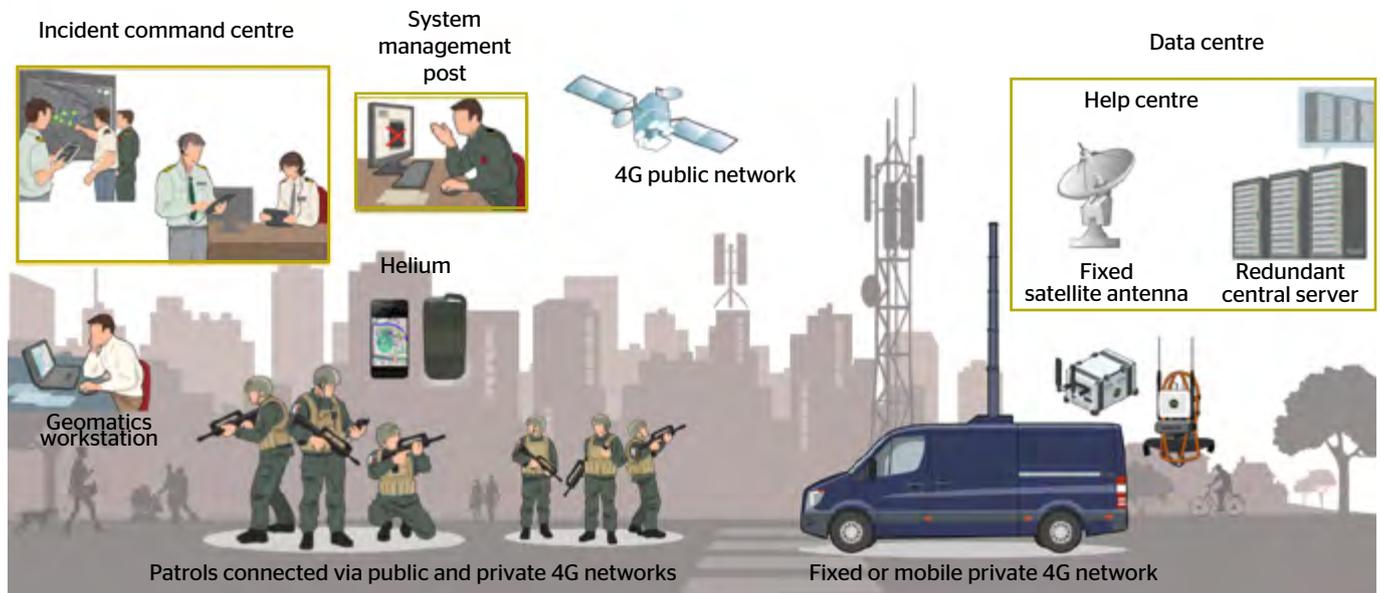
Rich functionality

Auxylium provides a set of generic features that is constantly being enriched through an ecosystem of innovations:

- Encrypted audio, video and conference calls
- Multi-group messaging
- File sharing for very large files
- Real-time geo-location positioning
- Various types of mapping functions
- Remote smartphone monitoring and wiping

At the heart of the crisis

A proven, standardised and easy to deploy architecture



Each patrol is equipped with a secure, ruggedized smartphone with a dedicated suite of apps and a Helium box that enables seamless connection to the public 4G network or private 4G network. The incident command post is used to oversee all users on the ground in real time and to manage the situation as a whole.

The system management post is used for system administration.

The map generation tool is used to create an accurate view of the area in which an operation needs to be carried out. The resulting map is then directly installed on the smartphones.

Portable, fixed or mobile LTE bubbles can be used to deploy a private 4G network if the public networks are overloaded or down. All connections to the network are managed by the Helium hub.

The central server facilitates integration with the other communications and command systems used by any third-party forces involved.

High levels of integration with existing environments

Functional modules can be added to existing solutions or can be developed to meet specific needs. The level of security and type of hardware involved will depend on the nature of the mission and how critical it is. Finally, Atos takes a flexible approach when it comes to contracts: offering SaaS (software as a service) options for smaller organisations and bespoke, hybrid alternatives for more complex organisations.

Key strengths

- Proven reliability and availability
- Intuitive user operation
- Multi-lingual, multi-mission
- Rich functionality
- Push-to-talk functions
- Mapping and geo-location
- Private 4G LTE communications
- Flexible contractual options
- Scalability
- Integration with connected devices

Implementation

- Integration with command and control systems
- Server infrastructures, security and operations (network, data centre, telecoms bubbles)
- Specification and installation of complex antennae systems
- Team training
- Secure hosting on dedicated hardware or in the Cloud
- Rapid response

About Atos

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European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions. The group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

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Let's start a discussion together



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