

# Three key drivers for digitalising defence



**Atos**

For every defence organisation, digital transformation is a force multiplier. It enables armed forces to improve mission outcomes by meeting three key challenges: operational readiness, decision support and force coordination.

### Operational superiority through operational readiness

The power of an army lies in its ability to project itself into theatres of operation. To act fast, strong and far, it is essential to have forces and equipment that are prepared and available, as well as projection vectors and robust long-term logistics and maintenance chains.

There are a range of digital applications for preparing or maintaining Armed Forces and assets in operational condition. These include predictive maintenance, spare parts inventory tracking, immediate access to medical capabilities and the use of physical or software simulators to qualify and train pilots and combat leaders, among others.

In this context, Atos is working in partnership to help transform military healthcare information systems to support evidence-based patient-centric healthcare for the UK Armed Forces. The CORTISONE programme was established to provide an integrated, consistent, reliable and sustainable information management solution for medical, dental and health services, enabling Defence Medical Services (DMS) to improve patient outcomes while maximising resource efficiency and the number of service personnel who are fit for role.



## Making the right decision at the right time

Integral to information superiority is up-to-date situational awareness and tracking (including Blue Force Tracking), as well as accurate intelligence. This provides troops on the battlefield with reliable, dynamic and relevant information sources, while avoiding information overload, for optimal decision-making.

This ambition is covered more broadly by the United States' Advanced Battle Management System (ABMS) programme, which will eventually federate the various branches of the US military, from command posts to deployed sensors, into a unified network.

In 2019, the French Defence Procurement Agency (DGA) selected Atos to develop a sovereign platform combining massive data processing and artificial intelligence for the defence sector. Called ARTEMIS (architecture for processing and exploiting massive multi-source information), this big data platform for the French Ministry of the Armed Forces has recently moved from the demonstration phase to the optimisation and industrialisation preparation phase. It will strengthen the Ministry's capacity in all areas that require massive data processing (intelligence, cyber security, health in particular).



## Towards greater force coordination

Force coordination is critical for collaborative combat and tactical communication. It enables simple, efficient and instantaneous information sharing in a 'bottom-up' and collaborative way, integrating the higher echelon (elementary unit or battle group operational centre).

Based on an Android smartphone, Atos' AUXYLIUM system, an encrypted and reliable battlefield and urban tactical communication solution, combines the advantages of civilian technology with the high standards of military equipment. Tried out in the Île-de-France region as part of Operation SENTINEL since 2016, it has performed superbly since its initial operational deployment. It has been adopted by another nation's Armed Forces as its tactical communications solution.



# About Atos

Atos is a global leader in digital transformation with 105,000 employees and annual revenue of over € 11 billion.

European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos operates under the brands Atos and Atos|Syntel. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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