

# Digital defense for information dominance



**Atos**

# 3 critical success factors for the digitalization of defense

Successful digital transformation depends on three key factors: excellence in integration, the frictionless flow of data along the chain of command, and the ability to combine the best in civilian and military technologies.

## System integration

If the digitalization of forces is a major objective for modern armies, the ability to integrate disparate systems is a pre-requisite.

Atos has recognized expertise in leading large-scale projects involving numerous partners and systems. Unlike other major defense partners, Atos acts as an independent integrator to guarantee cost savings, durability of hardware and software

solutions and sustainability of defense and business ecosystems. This approach is based on the use of civilian best practices, including agility, infrastructure versatility, standardization and the creation of common components to reduce project time and cost.



## Frictionless dataflows

With integration expertise comes the ability to efficiently move data up and down the chain of command. To achieve this, Atos leverages its expertise in managing the different temporalities of combat, with tools specific to reflex time and thinking time, thus preserving the time advantage over adversaries.

This expertise in time management is combined with a proven ability to adapt to very different network conditions, but also to actively interface strategic and tactical level systems in order to usefully serve the OODA loop (observation, orientation, decision, action) for greater reactivity and understanding of the environment by combat actors.

At the same time, Atos provides increased protection against cyber threats, which can cripple forces' capabilities, increase the 'fog of war' or give the enemy access to confidential information. Need-to-know is also ensured by establishing flexible communities of interest, depending on the evolution of the mission. Thus, confidentiality, integrity and availability of data and communications are continuously preserved.

## Expertise in civilian and military technologies

Finally, for example for the Auxylium and SICS systems in France or 'transparent battlefield' for the Bundeswehr in Germany, Atos leverages its expertise in civilian and military technologies. Based on agile methodology, Atos puts customers and operational staff at the heart of its projects with the objective of offering scalable solutions that combine robustness and performance, flexibility and scalability, sovereignty and security: the 'right tool for the right mission'.

Technology must free up operational actors to make the right decision at times of high intensity, which is why Atos invests know-how into simplifying complexity and designing easy-to-use interfaces.

Digital technology requires multidisciplinary expertise, which Atos has developed over several decades as a core partner for delivery of strategic projects for many countries and armies. Particularly when it comes to defense, innovation for innovation's sake is not enough ; innovation has to serve operational and information superiority. To this end, Atos is taking advantage of its expertise in High Performance Computing (HPC), Quantum Computing, Big Data and Artificial Intelligence to develop intelligent and intuitive high-tech systems for the military. Although digitization serves to enhance the superiority of military systems, it also brings with it cyber risks. With 5,000 cyber security experts, Atos is leveraging this expertise to develop systems that meet the cyber security requirements of the armed forces.

**Combat-proven, sovereign, reliable and sustainable, Atos solutions are firmly focused on the future and the response to the era of digital transformation.**



# About Atos

Atos is a global leader in digital transformation with 109,000 employees and annual revenue of c. € 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 is a SE (Societas Europaea), listed on Euronext Paris and included in the CAC 40 ESG and Next 20 Paris Stock indexes.

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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