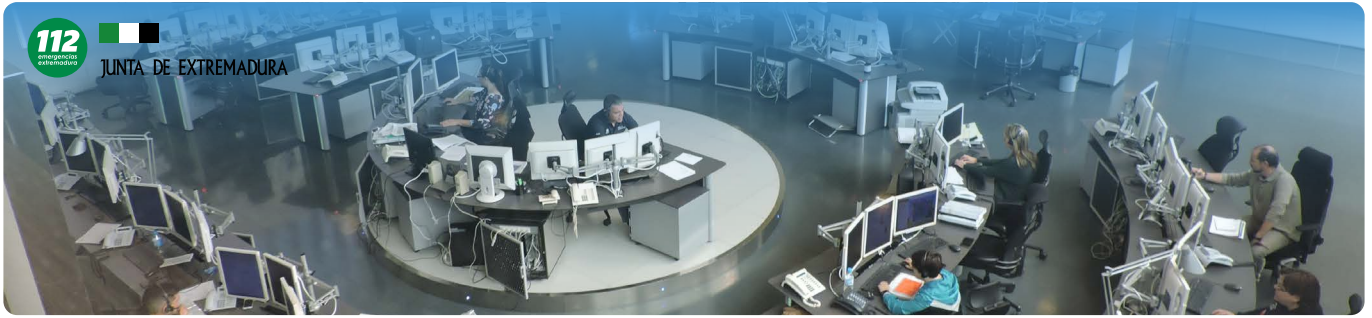


Public Safety of the future, today



Atos



Atos global and modular Public Safety offering: from infrastructure and integration to support

Keeping citizens safe during any event

Terrorism, natural or industrial disasters and pandemics are putting more pressure than ever on public authorities and emergency services who can not afford to ignore the three pillars: resilience, coordination and responsiveness.

RESILIENCE: Human threats and natural disasters, as well as the global pandemic, place extra strain on authorities and responders – and on their systems. With high call volumes, as well as personnel and resourcing challenges, agencies need systems that always scale and flex to crises and high demand.

COORDINATION: Public safety depends on effective inter-agency collaboration – especially in rapidly developing situations. If PSAPs operate in silos or systems are obsolete or not fit for purpose, precious time is lost–time that can make all the difference to the outcome.

RESPONSIVENESS: Getting to the right place with the right people and equipment is mission-critical – so accurate information must be transmitted for split-second decision-making along the chain of command. As situations develop, personnel need easy-to-use tools to communicate and stay updated.

Use cases



Large and major events

Atos can answer to major events challenges with end-to-end solutions and with integration of partners solutions, to prevent from attack and bring the most appropriate response, with cybersecurity, emergency, critical communications and other innovative solutions.



Day-to-day incidents

Atos communication solutions based on ESInet/NGCS and Lifelink bring resilience. GEMMA emergency management system in a multi-agency mode bring coordination for better collaboration.



Smart cities

The Urban Data Platform integrated with GEMMA, artificial intelligence and multi-source sensors helps cities manage emergency events, with better resilience, and collaboration.

150+ million

people protected by
Atos Public Safety solutions globally

#1

in Cloud and
Digital security in Europe

Atos, a leader in Public Safety

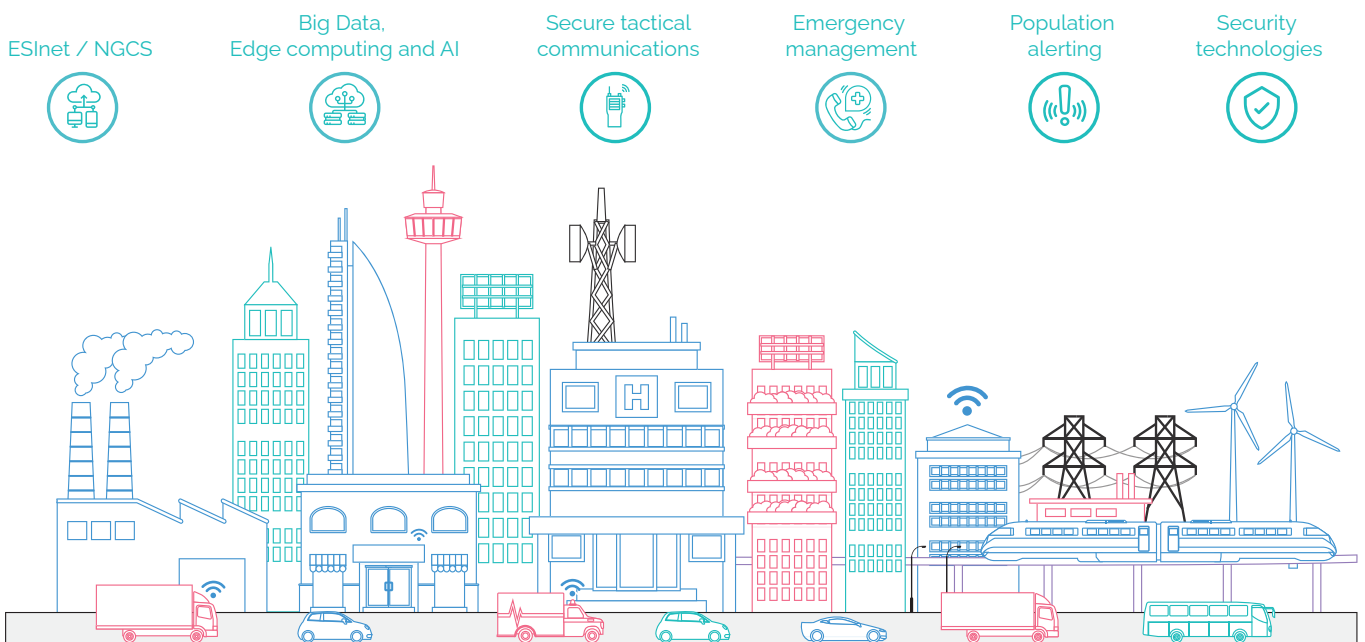
As a long-time specialist in digital solutions for Public Safety, Homeland Security, Healthcare, Defense, and Mission Critical Communications, Atos is an experienced partner working with public and private sector organizations to evaluate and adopt digital innovation for the most critical missions.

We bring to our customers the most extensive range of solutions to address their public safety challenges. We provide solutions for Next Generation Public Safety, starting with emergency call routing, emergency and crisis management, tactical communications, safe and smart cities, law enforcement, intelligence, anti-terrorism, border control, immigration and more.

From observation to action, Atos solutions make it possible to collect and analyze critical data, generate the right response and ensure situational awareness. Organizations such as emergency medical services, police, firefighting services, and civil protection can obtain the information they need for timely decision-making. Atos solutions are based on secure networks and communications.

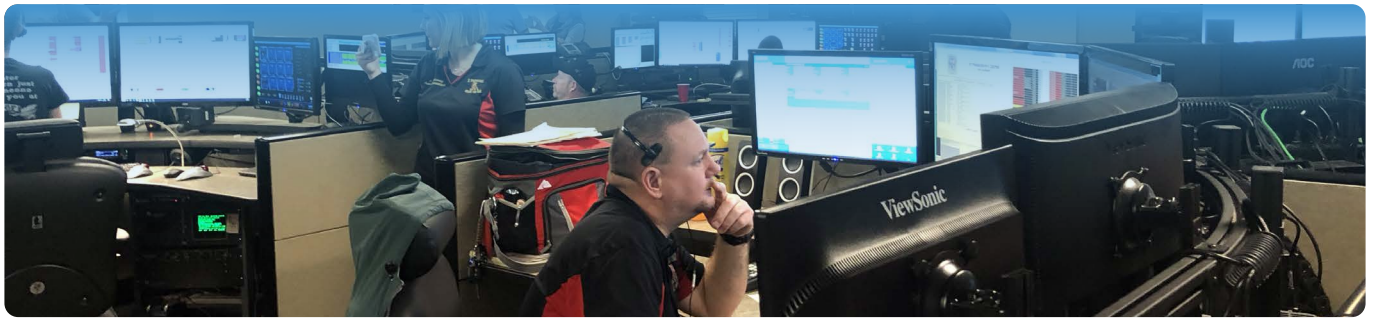
Given its comprehensive portfolio and extensive industry experience, Atos is uniquely positioned in its ability to offer end-to-end public safety solutions to national, regional and local governments around the globe.

Atos Next Generation Public Safety



Benefits

- Global, modular, innovative, end-to-end solutions
- Solution enhanced with AI, cybersecurity, edge computing...
- Digital Public Data Platform, agnostic and open to partnerships
- Cloud or on-premises solutions
- Experience in public safety with multiple references (countries, regions, cities)
- Compliance with standards (NG112, NG9-1-1, etc.)



Atos NG9-1-1 call handling implemented in St. Francois County 9-1-1, Missouri



ESInet / NGCS

Atos Next Generation solutions (NG9-1-1/112) allow you to receive and accept different sources (voice, video, SMS, social networks, eCall, apps, IoT devices...) into your call routing network to quickly allocate contacts to the right agent.

Atos NGCS (Next Generation Core Services) infrastructure powers the Emergency Services IP Network (ESInet) domain.

Capable of handling both multimedia and voice calls, the Atos OpenScape First Response ESInet/NGCS solution is centered on a carrier-class emergency services routing proxy capable of handling extremely high call volumes.



Emergency management

GEMMA is a next-generation product to be used in single and multi-agency PSAPs and also by emergency and crisis response organizations in the field, fitting the needs of public safety in multiple domains. It covers the entire event management lifecycle, from responding to emergency communications and launching standard operational procedures to dispatch resources, to following-up first-responders intervention and event escalation. GEMMA is available both on-premises and in the Cloud.

Multi Agency Incident Transfer (MAIT) solution provides each emergency service with a robust, virtually instantaneous, secure inter-agency messaging solution.



Secure tactical communications

Atos has designed Lifelink, a secure and modular communication solution for public safety. It integrates critical communications for first-responders and monitoring personnel: Lifelink Wireless cells creating a 4G LTE / 5G private network from scratch, a mission-critical application on a smartphone that brings a new mission critical set of services for voice, data and real-time geolocation, light portable hubs that seamlessly select the most appropriate network for the interventions, and Hoox secure smartphone technology.

Atos provides multi-network dispatching and recording solutions for all communications between the Command Center and the intervention forces.



Population alerting

The Atos Public Warning solution can cover a city, a region or an entire country. It coordinates different types of alerting technologies such as cell broadcasting, location-based SMS, including sirens and social media, providing a unique system that can be run by any public safety organizations.



Security technologies

Public safety forces and services can take advantage of new IT tools and sensors (drones, secure IoT, digital equipment, connected vehicles, video protection, surveillance) to detect, analyze, monitor and identify threats to homeland security. Atos provides a complete range of monitoring systems that make it possible to shorten the time between detection and intervention, evaluate the nature and the criticality of the threat, while optimizing and securing resources.

Atos is number 1 in cybersecurity in Europe, providing end-to-end cybersecurity solutions. We design, develop, manufacture and integrate software and hardware products.



Big Data, Edge computing and AI

Atos Urban Data Platform is an innovative solution that allows to collect, store and perform Big Data analytics on safety and rescue information to deliver an intelligent incident response. By collecting and analyzing data from multiple sources, this solution delivers insights that enable a response to be triggered and managed in real time. Predictive analytics optimizes resource management, and secure data exchange between systems enhances interagency collaboration.

Atos Edge Computer Vision analyses in real-time the video flows from multiple cameras. It can run on the highly performing BullSequana Edge server, which provides a high computing power using AI capabilities.

Some of our references



State of California, a Golden State Paradigm

Atos Public Safety is working with the State of California to transform the state's 9-1-1 system to leading-edge broadband communication platforms that advance emergency services for the public, 9-1-1 professionals and first responders. Atos is the Next Generation 9-1-1 Prime Network Service Provider (PNSP) for the initiative, providing overall management of emergency call flow for the state and integration with the state's regional ESInets, an emergency services IP network that replaces 25-year-old technology.



St. Francois County

St. Francois County Joint Communications, a consolidated dispatch center in rural southeast Missouri needed a solution to optimize resources, reduce response times and improve reliability, including better support for wireless callers. They implemented Atos' OpenScape First Response system and network services. Next-generation 9-1-1 (NG9-1-1) has emerged to adapt emergency communication services to the needs of a technology-dependent populace, providing the ability to transmit text, images, video and data to 9-1-1 public safety answering points (PSAPs).



112 Extremadura, an efficient collaboration between agencies

The 112 service of the Extremadura regional government in Spain strives to answer emergency calls, whatever their origin, in the fastest, most efficient and coordinated way possible. The Extremadura 112 model is unique and pioneering in Spain, following the direct management criteria given by the regional government. Atos has supported 112 Extremadura by implementing GEMMA, a robust and modern multi-agency design solution that adapts perfectly to these types of integrated platforms.

SUMMA 112



SUMMA 112 operates one of the largest emergency medical coordination center in Spain. The Atos Global Emergency Management (GEMMA) solution enables SUMMA 112 to integrate and coordinate its response to emergency calls. The system allows to automatically transmit real-time information on the incident and patient medical data to the dispatched vehicle. GEMMA provides an end-to-end solution that optimizes the use of resources, reduces response times and, most importantly, saves lives.



Multi-agency incident transfer (MAIT)

MAIT provides each emergency service with a robust, virtually instantaneous, secure inter-agency messaging solution, that will optimize resource deployment time by more than 3 minutes per emergency and reduces risk of errors and delays between agency interfaces, thus enabling frontline staff to focus on the task at hand, saving time, cost and lives. MAIT is a critical component of the UK's emergency ICT infrastructure.



The Olympic Games, a Golden Performance

Atos has been a key technology provider for the Olympic Movement since 1989, when the company provided services for the Olympic Games Barcelona 1992. Atos handled over 400 IT security events per second with zero impact on competition in the Olympic Games Rio 2016, and we incorporate this expertise into the solutions we deliver to our clients.

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.

[Find out more about us](#)

atos.net

atos.net/public-safety

Let's start a discussion together



Atos, the Atos logo, Atos|Syntel and Unify are registered trademarks of the Atos group. July 2021 © Copyright 2021, Atos S.E. Confidential information owned by Atos, to be used by the recipient only. This document, or any part of it, may not be reproduced, copied, circulated and/or distributed nor quoted without prior written approval from Atos.