

Border Protection

Protection of people and assets



Atos

Trusted partner for your Digital Journey

End-to-end border protections solutions

Ensuring national sovereignty

A sovereign state is responsible for the safety and security of its citizens. In particular, it protects them against organised crime, drug trafficking and illegal immigration. Passenger safety must also be protected at borders themselves, such as in airports. It is important for citizens to have confidence in the state, for services to be available and for citizens to feel they are living in a safe country.

Atos offers innovative border protection solutions to the armed forces, customs, the police and security agencies. Faced with the development and intensification of threats, Atos provides advanced and appropriate responses. In an increasingly connected world, Atos unites border control solutions with state of the art information solutions, with a centralised command centre. Information is sent in real time and in a relevant way. On detection, the recognition and identification of targets enables immediate and effective decision making. The methods used can combine fixed and mobile solutions. Maximum responsiveness allows rapid and effective intervention to be made.

Atos has a complete range of services. It covers land, maritime and aerial borders, whether or not they are regulated.

Regulated and unregulated borders

Atos Border Protection solutions cover both regulated borders such as airports, and unregulated borders such as sea and air.

Fixed and mobile borders

Atos offers a broad range of solutions including fixed and mobile systems to suit the specific needs of its customers.

A mobile system can be used to replace a fixed system, in particular in case of failure.

Command and control centre

- Detection of targets of interest and response coordination in real-time
- Communication between fixed and mobile systems units
- Integration with GEMMA, the Atos system of emergency management



Complete turnkey solutions or adapted to existing ones

Atos supports its clients with the definition and implementations of their border security projects, bringing its consultancy services, its global integration capacity and its skills in developing critical technologies.

Atos provides turnkey solutions as well as customised ones, which can be adapted to existing solutions.

Infrastructure solutions

- Fixed and mobile command and control centres
- High-precision sensors of various types: maritime and terrestrial radars, electro-optical sensors, Automatic Identification System (AIS) sensors, visible light cameras, infra-red cameras, smart video protection
- Vehicles equipped with sensors
- Information merge (multi-radar)
- High-quality image processing
- AVL (Automatic Vehicle Location for real-time monitoring of a vehicle's journey) with GIS (Geographic Information System)
- Data centre - Processing information with Big Data: analysis and correlation of data
- Interlinking of databases.

Integration of telecommunications systems

- HF/UHF/VHF communications
- PDH/SDH optic fibre and microwave communications
- TETRAPOL, TETRA, LTE networks
- Data links (Link 11, Link 16)
- Satellite communications
- Vocal communication systems (VCS)
- Mobile units and tactical deployment
- Structured cabling and LAN network
- Communications management
- Secured communications.

Services

- Integrated Logistics Support
- Preventive, corrective and evolutionary maintenance
- Training
- Life cycle or upgrade engineering
- Support for deployment
- Dismantling
- Crisis and emergency management: border control solution can be linked to GEMMA, the Atos emergency management system.



Adapted to all environments



Land

Unregulated - mobile

- Extended range of mobile units
- Maritime surveillance: 4x4 (ELINT), including sensors
- Coastal surveillance: Off-road truck including cameras, sensors, a command room and an optional data centre
- Radar and optronic sensors
- Communication by radio or satellite link.

Regulated - fixed CENTINELA

- SIAM: Automatic customs system that scans and analyses vehicle license plates, sends alerts in the event of anomaly and prevents travel if necessary
- Facial recognition and passport authentication
- Information carried by a person (e.g. driving licence) can be cross-checked with the vehicle licence database
- Fixed tower including cameras, sensors and radars.
- Regulated - fixed eGate
- Electronic ID system for customs and airports
- Processing of passport information, including biometrics, facial recognition and digital footprint
- Connected to the international information database.



Sea

Unregulated - mobile - at sea (VIGIA)

- Rapid visualisation and decision-making support software with capacity for the detection and automatic monitoring of various targets (AVL - Automatic Vehicle Location)
- Geographic Information System (GIS)
- Automatic Identification System (AIS)
- Signal processing
- Integration with surface drones
- Integration with GEMMA, the Atos solution for emergency management
- VTS (Vessel Traffic System) - Search and rescue.



Air

Unregulated - mobile

- Mobile vehicles, including cameras, sensors and a control room
- Reconnaissance aircraft
- Helicopters
- Airships for surveillance (sites, persons) and stationary observation, for cheaper border protection.

15+ years of experience, 2000+ km of coasts secured

- Spanish Guardia Civil: SIVE Program. Fixed Border Control Systems since 2003. Fixed, Mobile and Vessels
- Spanish Navy: Border Control on the South Border. Fixed and Vessel Systems
- FRONTEX, EU Agency: Pilot Project on Positioning System (2012)
- Dutch MoD: ABC Islands. Caribbean Coast Guard Information Exchange System.



About Atos

Atos is a global leader in digital transformation with approximately 100,000 employees in 72 countries and annual revenue of around € 12 billion. The European number one in Big Data, Cybersecurity, High Performance Computing and Digital Workplace. The Group provides Cloud services, Infrastructure & Data Management, Business & Platform solutions, as well as transactional services through Worldline, the European leader in the payment industry. With its cutting-edge technologies, digital expertise and industry knowledge, Atos supports the digital transformation of its clients across various business sectors: Defense, Financial Services, Health, Manufacturing, Media, Energy & Utilities, Public sector, Retail, Telecommunications and Transportation. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, Unify and Worldline. Atos SE (Societas Europaea) is listed on the CAC40 Paris stock index.

Find out more about us
atos.net

Let's start a discussion together



For more information: atos.net/contact-us

All trademarks are the property of their respective owners. Atos, the Atos logo, Atos Codex, Atos Consulting, Atos Worldgrid, Worldline, BlueKiwi, Bull, Canopy the Open Cloud Company, Unify, Yunano, Zero Email, Zero Email Certified and The Zero Email Company are registered trademarks of the Atos group. Atos reserves the right to modify this document at any time without notice. Some offerings or parts of offerings described in this document may not be available locally. Please contact your local Atos office for information regarding the offerings available in your country. This document does not represent a contractual commitment. November 2017. © 2017 Atos