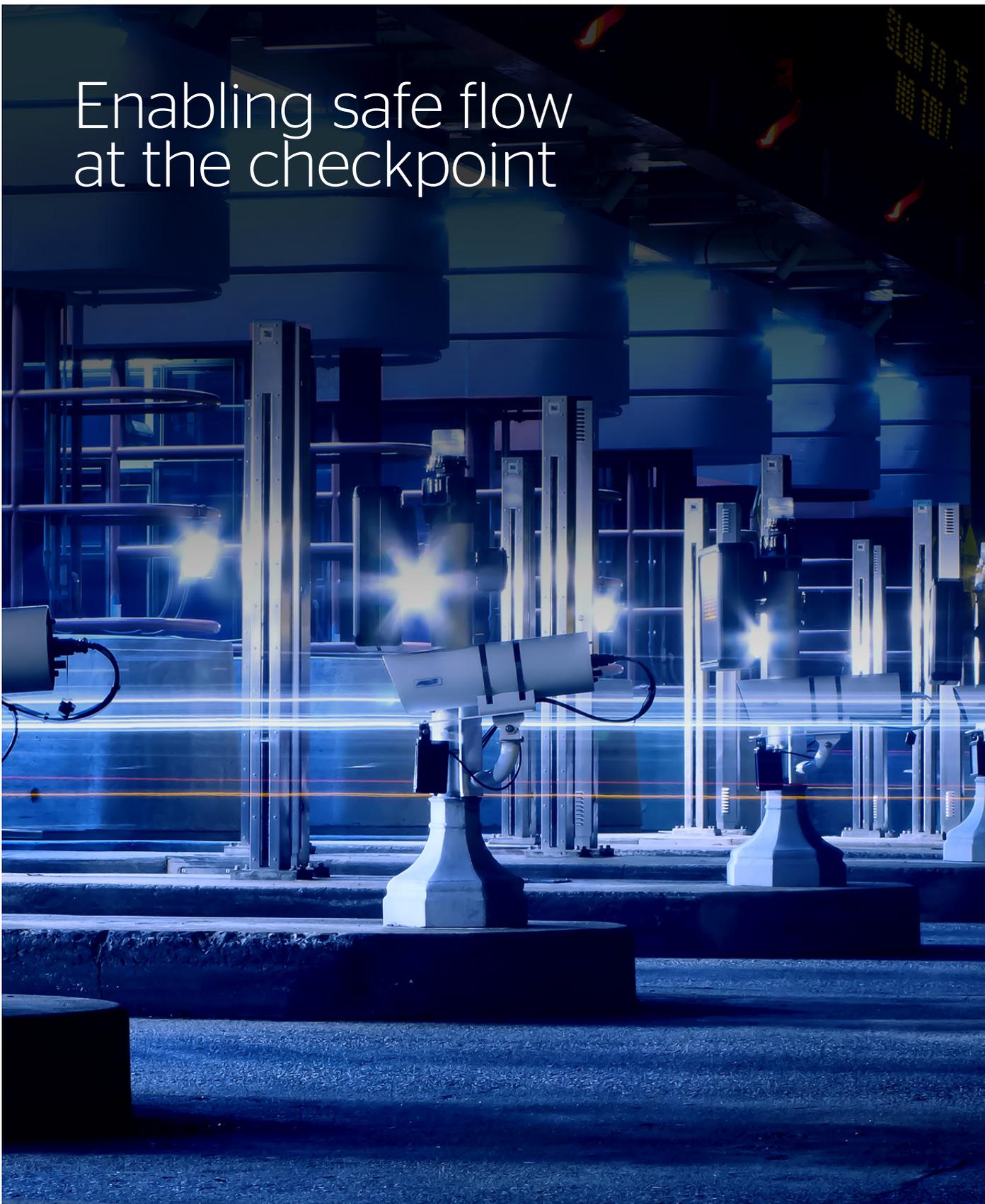


# Enabling safe flow at the checkpoint



# Protecting checkpoints efficiently

Authorities need to react efficiently when unauthorized pedestrians and vehicles attempt to cross protected checkpoints. At the same time they must ensure a smooth flow of people and goods in high-traffic area. Atos introduces CENTINELA tower, a fully integrated solution to automatically detect threats based on advanced pattern recognition technologies. Once an abnormal behavior is detected, the CENTINELA solution automatically triggers configured actions such as raising an alert or blocking the entrance to the protected area.

Atos delivers the complete CENTINELA solution and adapts it to your specific requirements. Atos connects CENTINELA to national and international bases of wanted persons and stolen vehicles, and configures it to support your procedures.

## An all-in-one solution for automated vehicle and person

Image acquisition from multiple angles provides **enhanced detection** rates and overall context.

Very fast and highly accurate face recognition **detects** suspect pedestrians and passengers.

Vehicle and license plate recognition, **checked** against vehicle databases and historical data, quickly identifies suspect vehicles.

Video recording, pedestrian counting and radio monitoring ensure **situational awareness**.

**Real-time** decision support powered by high-performance computing platform and data analytics.

**Mobile or desktop** supervision stations provide clear overview of alerts and information, enabling data driven decision making.

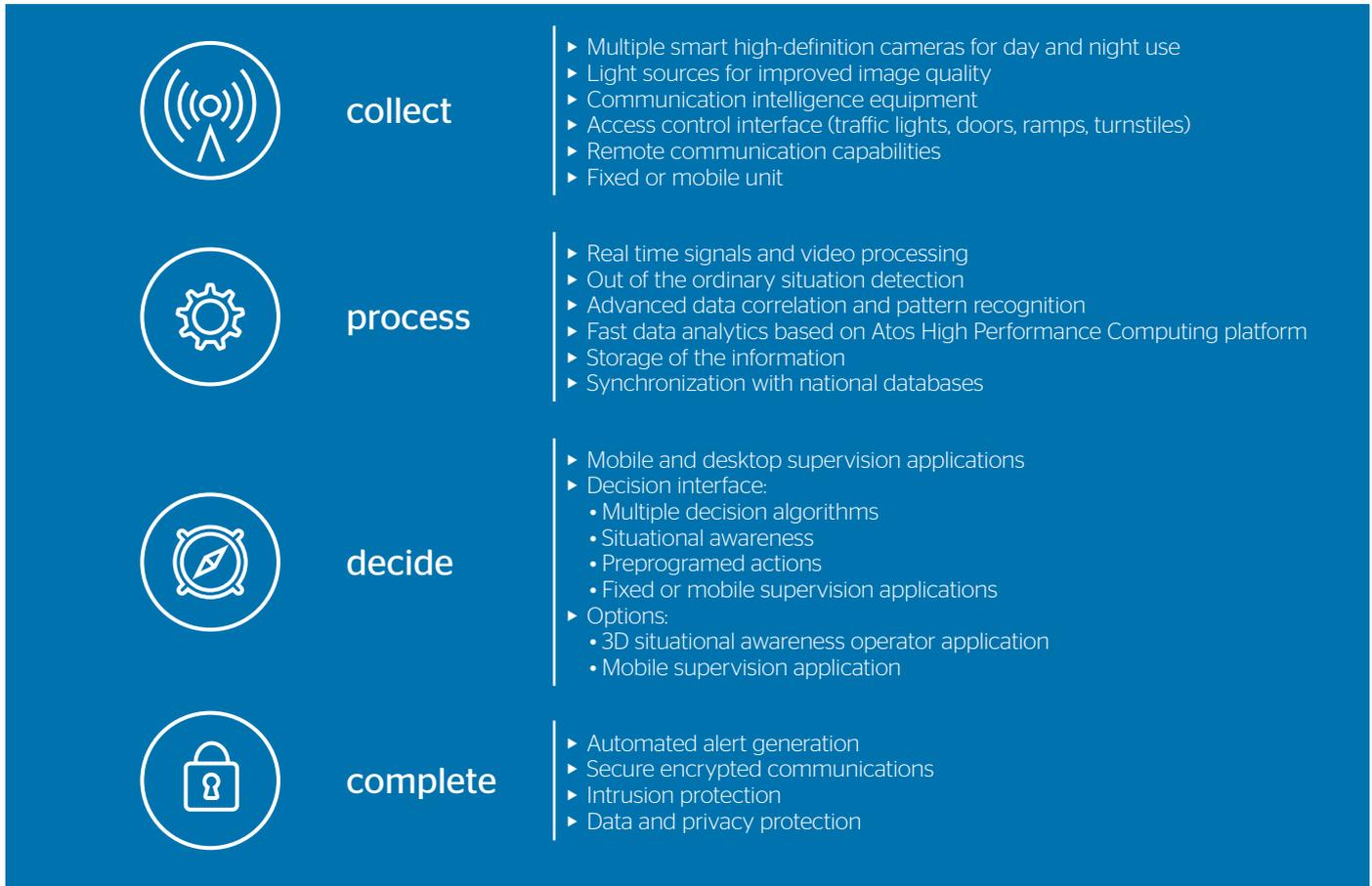
ID	Nombre	Sexo	Fecha de nacimiento	Fecha de caducidad	Estado de licencia	Modelo de licencia
11210	Demo Licencia	Var	01/01/2010	31/12/2012	HELENO	CR3827N
11218	Demo Licencia	Var	01/01/2010	31/12/2012	HELENO	CR3827N

list of license plates

## From detection to action in 4 steps and 1.5 second



# Checkpoint management



## Benefits

**Complete.** In a single housing, CENTINELA supplies the major elements of a checkpoint system, from cameras to communications, processing and remote control. The component set is designed to work together efficiently.

**Fast and efficient.** The CENTINELA solution is designed to optimize reaction speed. Advanced image recognition, coupled with elaborate analysis workflows, enable real-time decision support. The legitimate flow of goods and persons is unrestricted.

**Reliable decisions.** Collected information reinforce each other, from image and communications sensors to passenger and vehicle data. Integrated sensors are best-of-breed and incorporate efficient algorithms. Decision making is facilitated.

**Integrated.** The CENTINELA solution is designed to reinforce your existing procedures. It exists in both fixed versions and mobile versions that can be rapidly deployed as needed. Atos works with specialists that adapt the solution to your national threats management infrastructure.

## Case study

CENTINELA is used today on selected EU borders to automatically analyze the information of incoming vehicles and persons performing facial recognition and identification of vehicle occupants.

The Atos software cross-checks the personal information with that of the vehicle allowing verification of suspicious activities. In the event of a suspicious situation, CENTINELA blocks the way by preventing the barrier from lifting and sends an alert automatically. The solution provides greater control and time saving thus facilitating the work of the authorities.

Adding a facial recognition feature in the CENTINELA solution enables to fight against illegal cross border activities, organized crime and illegal immigration in a more effective way. A quicker border crossing for goods and authorized persons are at stake.

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# About Atos & Bull

Atos SE (Societas Europaea) is a leader in digital transformation with circa 100,000 employees in 72 countries and pro forma annual revenue of circa € 12 billion. Serving a global client base, the Group is the European leader in Big Data, Cybersecurity, Digital Workplace and 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, the Group supports the digital transformation of its clients across different business sectors: Defense, Financial Services, Health, Manufacturing, Media, Utilities, Public sector, Retail, Telecommunications, and Transportation. The Group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and is listed on the Euronext Paris market. Atos operates under the brands Atos, Atos Consulting, Atos Worldgrid, Bull, Canopy, Unify and Worldline.

For more information, [visit atos.net](http://visit.atos.net)

## **Bull, the Atos technologies for the digital transformation**

Bull is the Atos brand for its technology products and software, which are today distributed in over 50 countries worldwide. With a rich heritage of over 80 years of technological innovation, 2000 patents and a 700 strong R&D team supported by the Atos Scientific Community, it offers products and value-added software to assist clients in their digital transformation, specifically in the areas of Big Data and Cybersecurity.

Bull is the European leader in HPC and its products include bullx, the energy-efficient supercomputer; bullion, one of the most powerful x86 servers in the world developed to meet the challenges of Big Data; Evidian, the software security solutions for identity and access management; Trustway, the hardware security module and Hoox, the ultra-secure smartphone. Bull is part of Atos.

For more information, [visit bull.com](http://visit.bull.com)