

John Cockerill

Defense Sécurité



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John Cockerill Defense Sécurité

John Cockerill Defense Sécurité is an innovative actor in the industrial security sector in its approach and its vision of the security, safety and sovereignty issues of today and tomorrow.

Our mission

We made the choice of an exclusive technological partnerships by combining our capabilities as an integrator and projects manager. We offer the deployment, operation and maintenance of proven solutions in demanding environments.

Your challenges

How can we better protect our cities, our citizens, our industrial sites, our armed forces, our leaders and elected officials when the nature of the threats is constantly changing?

On land, at sea and in the air, the vectors used to reach us are increasingly sophisticated and fast.

Today, it is no longer enough to detect, but it is also necessary to analyze and understand, almost in real time, the nature of the threat in order to activate the proper means to neutralize it in a proportionate manner.

Our approach

The choice of an innovative and dynamic R&D through the aggregation of technological bricks in line with the specific needs and requirements of our customers is an important axis of our development.

With the help of recognized industrial partners, our mission is to respond appropriately to the increasingly complex and diversified threats of today's world.

John Cockerill Defense Sécurité provides the guarantee of a sovereign development, through an investment in R&D that allows us to anticipate future challenges, and through a permanent dialogue with the governmental forces and the various players in the industrial ecosystem



The strength of a Group...

- John Cockerill is a major player in French and international industry, marked by a bicentenary innovation culture.
- More than 1500 direct jobs in France in the energy, defense, industry, environment and services.
- A local presence offering permanent agility in managing projects of any sizes.
- Modern production tools for a strong industrial production capacity.
- A positive employment dynamic for an expertise and skills developed and maintained.

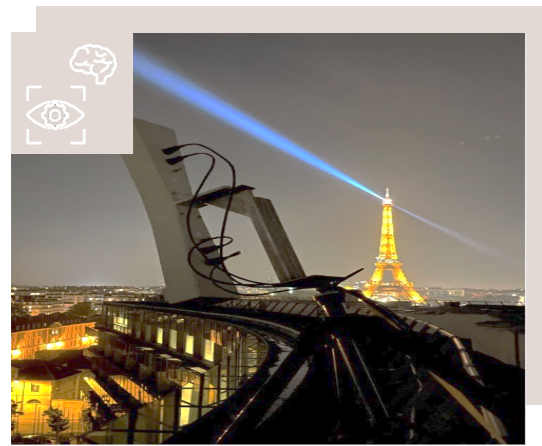
... the 'start-up' dynamic

An efficient and agile, multifunctional organization. Our team is composed of technological referents, experts in the solutions deployed, who provide all the flexibility necessary for the success of the projects entrusted to us.

Innovative, complementary, integrated and multi-layer technological solutions

For all levels of protection: "Land, Sea, Air"

At John Cockerill
Defense Sécurité,
operational proximity is
a guarantee of success.



1 Stereoscopic Intelligent Detection

Stereoscopic vision, thermal sensors and advanced algorithms.



2 Biometric Access Management

Authentication and identification based on facial recognition.



3 EO/IR Systems

Electro-optical/infrared observation systems for surveillance and investigation activities (land, sea, air).



4 Counter drone solutions

Detection, tracking, identification, classification, interception and/or neutralization of drones.

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Biometric Access Management

Access control



Cockerill® control access

Authentication and identification based on facial recognition.

Integrated container for access control

A turnkey solution available in a configuration adapted to construction sites as well as temporary sites.

One or more containers are placed at the site's entrances and act as compact, plug-and-play, all-in-one gating units. They include the biometric cameras, turnstiles and related computers.

This setup offers the advantage of being reconfigurable and relocatable to another site.

Main features

- Enrolment from existing photos
- Can be integrated with major access control systems
- Identification / Authentication according to the required configuration
- Hands-free and non-invasive
- Multi-site access management possible
- Real-time tracking for personal security people
- Streamlines access control
- Reduces control time at peak hours
- Resistant to fraud
- **99.97%** accuracy rate
- Secure local database



Applications

- Sensitive industrial sites
- Construction sites
- Airports...

Biometric Access® is an access management solution based on authentication or identification by facial recognition.

Critical and event sites are confronted with large inflows of employees, contractors, and other visitors.

Specific areas must be managed according to different criteria: profile, clearance or qualification.

When they enter a controlled area, individuals are seamlessly identified without the need for external identifiers such as cards, keys, or fingerprints.

Once a user is identified, the information can be utilized for a wide range of measures – for example, to open a door or gate, protect sensitive sites or log the entry/exit of an employee.

The technology is used for a wide range of applications across many different fields. It helps companies and organizations save resources and optimize their productivity, it creates a more pleasant user experience for employees,

sub-contractors and visitors, and it provides a high level of security and safety at virtually any site.

The solution can also be integrated with existing systems.



Additional sensors

- RFID
- QR Code
- NFC/BLE



Each site can be equipped with several doors securing specific areas

Stereoscopic Intelligent Detection

Perimeter protection



Cockerill® Stéréovision

Stereoscopic vision, thermal sensors and advanced algorithms.

STEREOVISION is a unique technology that combines 3D vision, thermal sensors and advanced algorithms to detect any suspicious behavior, while segmenting the type of threat.

STEREOVISION is particularly suited for creating virtual barriers for perimeter protection, but its technology allows it to be adapted to multiple safety and security scenarios.

The combination of daylight and infrared cameras allows for day and night operation, in any weather conditions

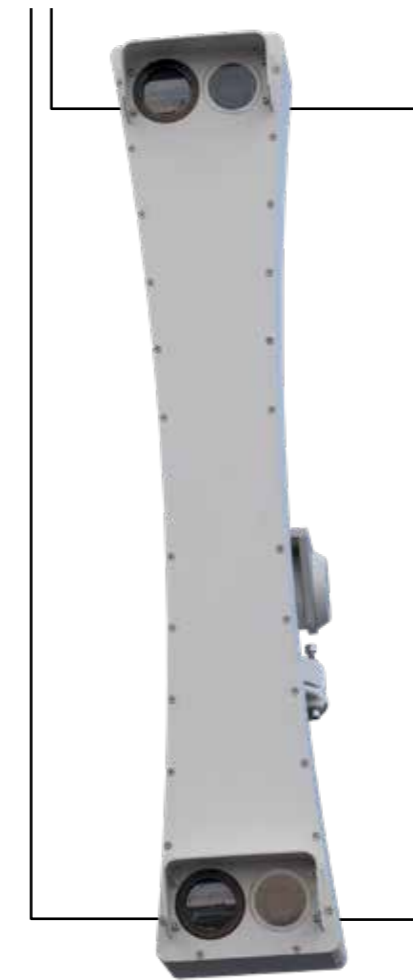
Perimeters protection

- Critical infrastructures (nuclear power plants...)
- Sensitive sites
- Industrial plants
- Border protection
- Airport surveillance
- Coastal surveillance
- Tunnel surveillance
- Smart city applications

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IR Camera

Day Camera



- Range to 1000m
- Various FOV configurations available



Object abandonment



Intrusion detection through dense vegetation

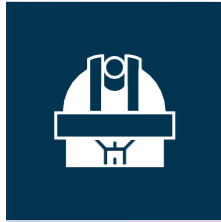
Applications

- Crossing a line on the ground by a vehicle
- Stopping a vehicle on the side of the road
- Criminal activity around vehicles
- Train detection
- Truck detection
- Detection possible in thick fog foggy weather
- Detection feasible in snowy weather
- Swimmer detection
- Windsurfing detection
- Small boat detection
- Fence damage
- Fence crossing
- Fire starting
- Abandoned object, object throw
- Intrusion with basket
- Smoke/dust cloud
- Explosion

Can be integrated into any existing videoprotection architecture

EO/IR Systems

Medium to long range surveillance



Cockerill® EO/IR

Electro-optical/infrared observation systems for surveillance and investigation activities (land, sea, air).

Multi-platform solutions

Land

Designed for automatic intrusion detection from medium and long distances



Air

Line of optics for airborne applications such as surveillance and tactical aerostat or any other type of aircraft



Sea

Gyro-stabilized systems for naval applications and marine environment

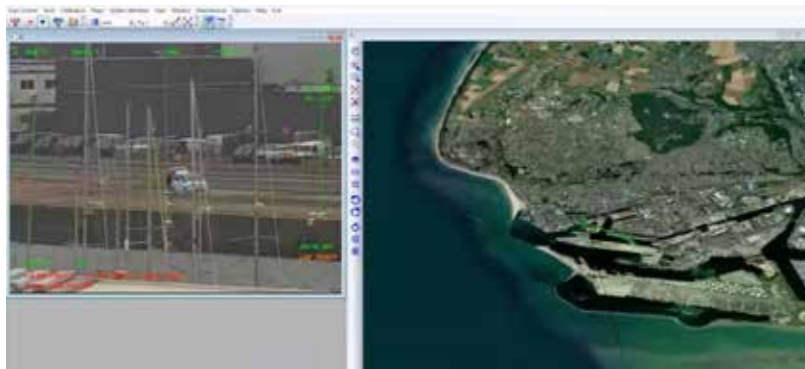


Vehicle

Gyro-stabilized systems suitable for all types of patrol and surveillance vehicles



These systems are equipped with automatic long-range scanner to track and to detect, follow and recognize intruders, at any time, day or night, regardless of the weather conditions.



Applications

- Land Surveillance
- Coastal Surveillance
- Perimeter Surveillance
- Airport security
- Aerial Surveillance Mission
- Anti-drone protection
- Port safety and security
- Application for patrol vehicles

Main Features

- Sensitive optical and thermal cameras with different focal-lengths adapted to specific uses
- Automatic target tracking
- Panoramic scanning
- Automatic detection
- Continuous monitoring
- Advanced image processing
- Possible integration with other systems
- Modular : additional features available as an option (distance measurement and designation)

State-of-the-art-vision for a persistent automatic surveillance



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Drone solution

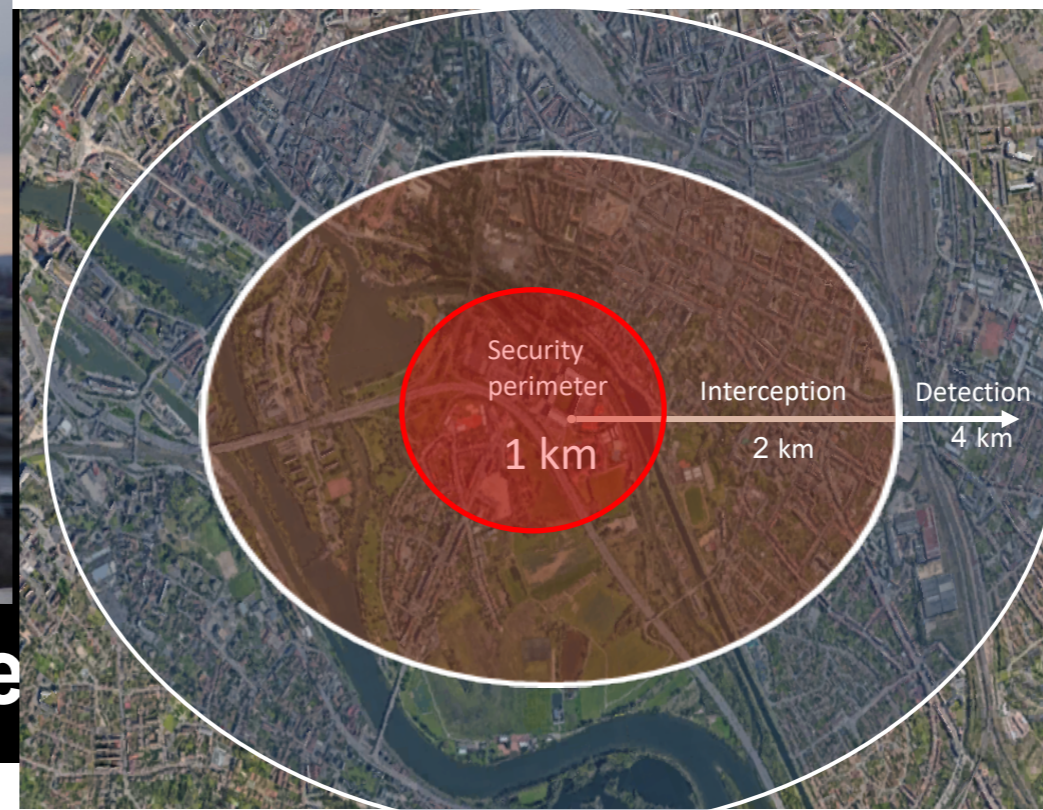
Detection and interception



Cockerill® Drone Sentinelle

Detection, tracking, identification, classification and/or interception

A detection system, identification, interception and/or neutralization coordinated by an operational and proven control system offering a complete interface to the operator:



- Control software coordinating all the components
- Open and scalable modular architecture
- Detects, qualifies, classifies and prioritizes automatically threats and proposes to the operator the various appropriate responses
- Allows to automate a sequence of actions
- Does not require more than one operator



Interception by system for the safe control of commercial drones.



Drone Sentinelle is a unique end-to-end field proven open architecture system that meets the current and future protection challenges of sensitive sites against unauthorized drone.

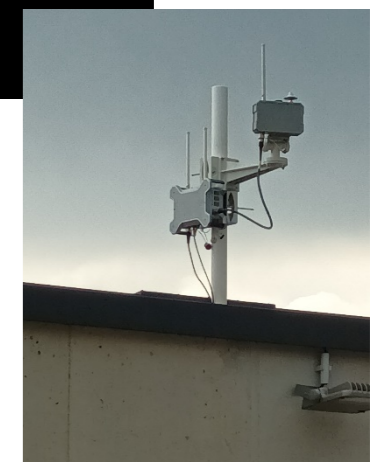
The technology does not cause collateral damage and has no impact on the equipment and the environment around its surveillance zone.

It does not generate interference or disturbances that could interfere with the operation of nearby devices.

Applications

- Strategic Assets
Airports, harbors, energy, public and official buildings.
- Military sites
Borders, facilities, maneuvering areas
- Civil infrastructures
Stadiums, public events

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Defense Sécurité

'The new frontiers of safety, security & sovereignty'

Contact us : defense.securite@johncockerill.com

Member of :

GICAT



ASSOCIATION
NATIONALE DE LA
VIDÉOPROTECTION

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