



PROJECTION &
PROTECTION

Amphibious solutions

Innovative and adaptable, the L-CAT[®] Landing Craft family supports all kind of expeditionary amphibious operations worldwide.

L-CAT[®] Ship-to-shore

High Speed Naval Connector

Sea & Combat proven, the L-CAT[®] Ship-to-shore is a **force multiplier** for large LPDs and LHD's*. Deployed from any US type well-deck, it enables **over the horizon amphibious operations** with short loading & unloading rotation time thanks to its Roll-On / Roll-Off configuration and variable draft system. The L-CAT[®] Ship-to-shore has **excellent landing capabilities** on any coastal infrastructures (quay, slipway and beach).

* LPD: Landing Platform Dock, LHD: Landing Helicopter Dock



127 M³ USEABLE PLATFORM
100 TONS OF EQUIPMENT AND SUPPLIES
500 NM
30 KNOTS TOP SPEED

L-CAT[®] Shore-to-shore

Regional Force Projection Craft

The L-CAT[®] Shore-to-shore is a key enabler of **standalone force projection** on a regional scale and is suitable for long-range amphibious, disaster relief and maritime security operations. CNIM offers **tailored systems & equipment packages** (weapons, C2 systems, sensors) to fit operational needs. A follow on of the L-CAT[®] Ship-to-shore, the L-CAT[®] Shore-to-shore allows **rapid deployment & quick access to littoral areas**.



127 M³ USEABLE PLATFORM
100 TONS OF EQUIPMENT AND SUPPLIES
800 NM
22 KNOTS TOP SPEED



Shallow water beaching capability!

Project your Forces with the L-CAT[®] family on any beaches, in 80 cm of water.



Bridging systems

CNIM provides world class bridges and high performances gap-crossing systems to global Land Forces for military and disaster relief operations.

PFM

Tactical Motorized Floating Bridge



30' for a 100 m long bridge



PTA

High Performance Modular Assault Bridge



World class bridges adapted on 10x10 truck and Main Battle Tank

The PFM is a tactical wet-gap crossing solution adapted to today's Land Forces needs. Rugged and reliable, it can be deployed as either a **MLC* 70T / 80W continuous floating bridge** or a **roll-on roll-off ferry**.

Built from self-propelled sections it is deployed over a short time period, (30' for a 100 m long bridge) with **minimum staff** and no auxiliary boats.

The PTA is a high performance gap crossing capability, offering **modularity in front of the gap** (2 times 14 m at MLC 120T / 150W or 1 time 26 m long bridges at MLC 85T / 100W).

Its remotely operated launching system can deploy a **26 m long bridge in 10 minutes with 2 operators**.

* MLC: Military Load Classification

Surveillance optronic solutions

Bertin offers leading-edge optronic devices dedicated to the Detection, Recognition & Identification (DRI) of targets in all conditions, including high-risk environments.

FusionSight®

Lightweight Night & Day Vision Enhancer



Low Light Color Vision

Smart fusion

Thermal Vision

Fully digital and designed to meet users' needs, the FusionSight® combines two viewing modes, based on **low light color** and **thermal cameras**, to be used separately or in **smart fusion mode**. Especially adapted to team leaders and special forces requirements, this reliable handheld device is most efficient when used to unveil camouflaged enemies in operation.

CamSight®

Digital compact core cameras



Targeting integrators and vehicle manufacturers, CamSight are camera modules integrated into complex optronic systems. They are based on FusionSight and PeriSight optronic technology. Reliable and easy to maintain, CamSight modules are available in two versions: uncooled thermal (infrared) and low light level.

PeriSight®

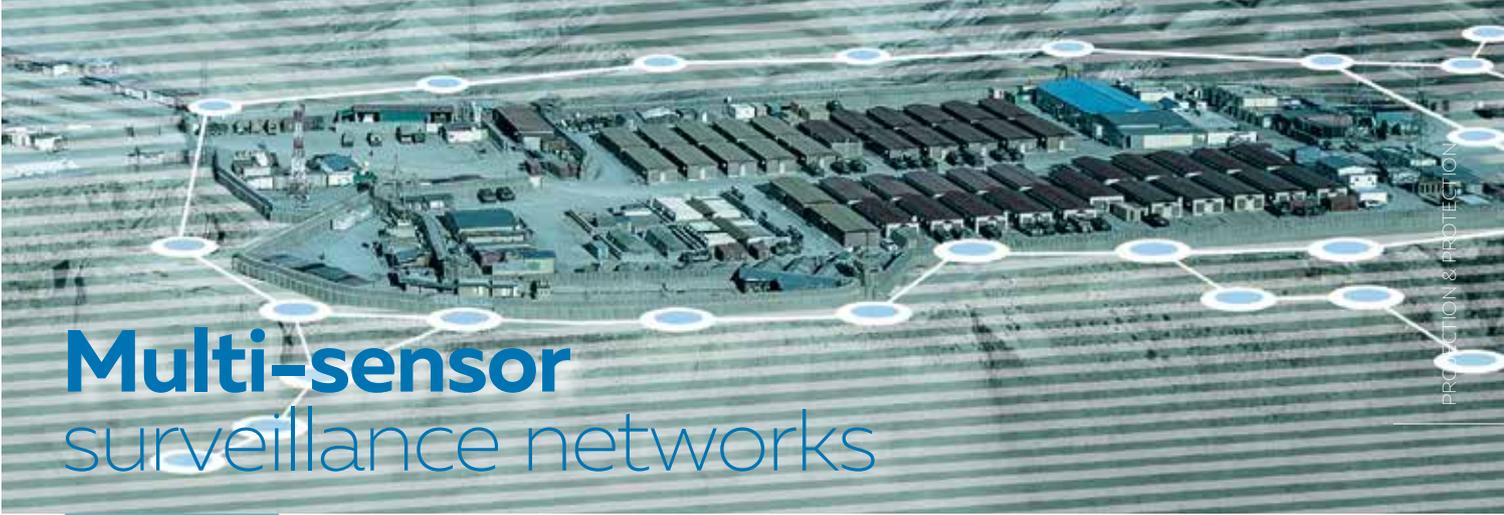
Night & Day vision enhancer for vehicle and sensitive site surveillance



The PeriSight® is a patented **network of imaging sensor modules** offering multiple viewing channels - low light color and thermal. The system provides **night and day 360° surveillance** in short and long range (in zoom version) to enhance **Land Situational Awareness (LSA)** and **Driver Vision Enhancement (DVE)** for driving and manoeuvres.

Developed to meet customers' requirements, the PeriSight® is **compatible for critical areas surveillance and with all kinds of vehicles for integration**.

Fully digital, the PeriSight® enables additional key features such as shared video streaming, electronic stabilization, automatic detection and target tracking.



Multi-sensor surveillance networks

FLEXNET is a wireless mesh networked Unattended Ground Sensor (UGS) platform dedicated to military surveillance, homeland security & critical infrastructure protection applications.

Intelligent autonomous UGS

Seismic & acoustic / passive Infrared / remote Day & Night camera

Exensor has been developed intelligent and wireless Unattended Ground Sensors and cameras able to detect, classify, identify and track moving objects on the ground.

FLEXNET

Scalable, mobile & wireless sensor platform



UMRA Mini - Seismic & acoustic detection and classification



Passive Infrared sensors detect direction of travel



Scout Cameras - Intelligent remote thermal and/or daylight cameras triggered by sensors

FLEXNET is a **modular, self-healing & wireless ground sensor platform** for mobile, semi-static & static surveillance. Its open architecture allows this system to be deployed as a stand-alone capability or become fully integrated with other platforms & Battle Management Systems.

FLEXNET provides early remote Detection, Classification and Identification of any threat in wide areas & complex terrain, both in LOS & NLOS* situations.

Designed for trained generalist and specialist users, this easy-to-use platform can be deployed in a few minutes.

*Line-of-sight & Non-line-of-sight

CBRN threat detection

Bertin offers a comprehensive range of Chemical, Biological, Radiological and Nuclear (CBRN) threat detection solutions.

Second Sight® MS

Standoff Gas Cloud Detection Camera



This easy to deploy camera is able to **detect & visualize a large range of gas clouds up to 5km away**, in **real time**. The infrared imaging capability allows night & day **360° surveillance** of the environment.

Coriolis® RECON

Portable Air Sampler for biological warfare agents detection



This ruggedized and easy to deploy system is dedicated to **collect biological warfare agents**. Its **patented cyclonic technology** enables long time monitoring of special areas in case of bio-threat suspicion and is compatible with any identification method.

SaphyRAD® MS

Multi-probe Military Survey Meter



This latest generation of **multiprobe survey meter** has been designed to be used in harsh environments, by all armed forces, to detect ionizing radiations. It associates a **wide range of specialized probes** for radioactive sources/hot spot search & contamination measurement.

SaphyGATE® G

Smart radiation portal monitor for vehicle & load control



Following the highest quality standards, this new Radiation Portal Monitor is aimed at performing **radiological controls on trucks, trains and cargo loads**. Based on an **innovative algorithm**, the system warns the operating agent only in case of alarm or failure.

Cyber security & intelligence

Bertin provides software solutions dedicated to the defense-in-depth of sensitive information systems and the advanced processing of digital & voice data for Cyber Intelligence and Speech Analytics needs.

Secure Data Exchanges Between Sensitive Systems



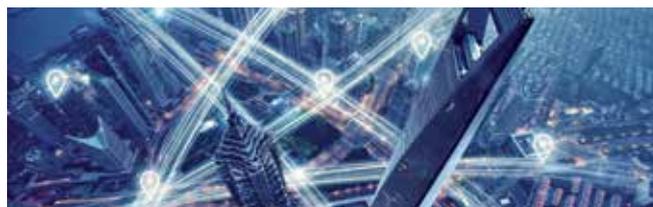
Configurable as a one-way (diode) or a two-way gateway, **CrossinG®** controls and secures the interconnections between networks of different sensitivity levels (e.g. public vs restricted, IT vs OT). It combines sanitizing, filtering and partitioning features so as to ensure the integrity and confidentiality of exchanges in critical environments.

Identify and Anticipate Threats Targeting States & Organizations



A cyber threat intelligence platform, **MediaCentric®** offers strong capabilities for extracting relevant and hard-to-find piece of information from the clear/deep/ dark Web so as to investigate communities and individuals, and to detect threats to the states, signs of preparation of cyberattacks or targeted operations, fraud activities and data leakage.

Enhance Situational Awareness with Broad Digital Vigilance



Through **AMI EI®**, **MediaCentric®** and **MediaSpeech®**, Bertin IT provides a full product range for in-depth monitoring and analysis of multimedia and multilingual contents from the Web (Social Networks, forums, ...) and offline Media (TV/Radio) for the needs of OSINT and strategic intelligence analysts.

Detect Risk Elements in Phone Interactions



A powerful speech-to-text engine, **MediaSpeech®** enables in-depth analysis of conversational audio contents for lawful, tactical and strategic purposes. Through the detection of key words or expressions and the identification of languages and speakers, it provides alerts on elements and targets at risk.

CNIM and its subsidiaries Bertin and Exensor stand alongside with Armed & Security Forces worldwide to accompany their transformation and address their challenges for today and tomorrow.

The 160 years of industrial history is present in CNIM's culture and embodied by generations of engineers and technicians, committed to push back the boundaries of technology to create reliable and high-performance solutions.

Force PROJECTION

AMPHIBIOUS SOLUTIONS

BRIDGING SYSTEMS

PROTECTION of Deployed Forces & Critical Infrastructures

SURVEILLANCE
OPTRONICS
SOLUTIONS

MULTI-SENSOR
SURVEILLANCE
NETWORKS

CBRN
THREAT
DETECTION

CYBER SECURITY
& INTELLIGENCE

CNIM, A LONG STANDING PARTNER



Worldwide
clients & partners



2,600
employees



635 million €
revenues in 2017



52%
from export



160 years
of track record in Defense

CNIM

HEADQUARTERS

35, rue de Bassano
75008 Paris
France
contact@cnim.com

www.cnim.com

bertin

Subsidiary of CNIM

HEADQUARTERS

10 bis, avenue Ampère
78180 Montigny-le-Bretonneux
France
contact@bertin.fr

www.bertin-technologies.com

EXENSOR

AWARENESS ASSURED

Subsidiary of Bertin

HEADQUARTERS

Exensor Technology AB
Sankt Lars väg 41, 222 70 Lund
Sweden
info@exensor.com

www.exensor.com