CORPORATE PROFILE

ELETTRONICA GROUP

A FOCUSED GLOBAL LEADER

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27/04/2017

OUR MISSION

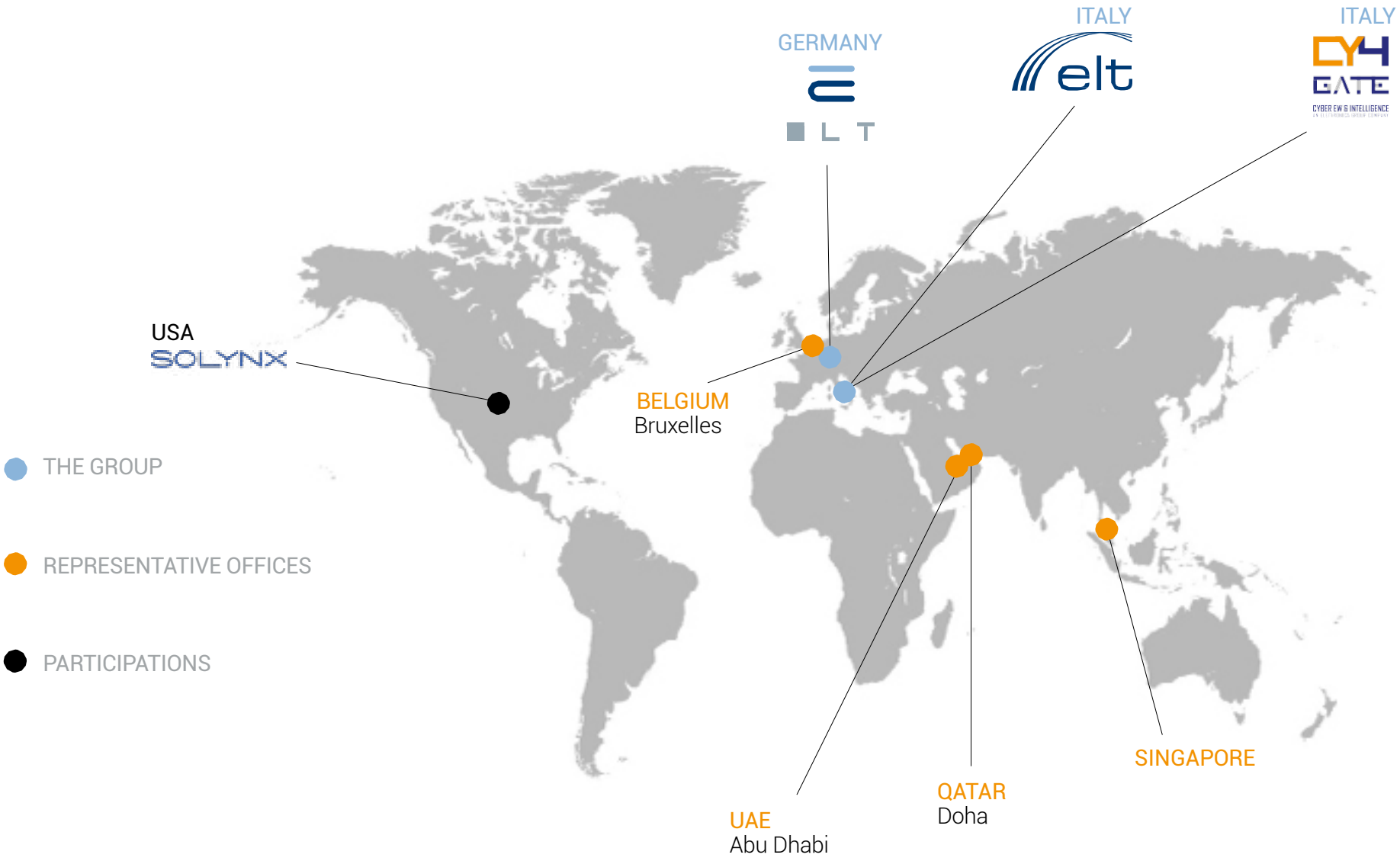
To offer the most innovative solutions guaranteeing the security of people, assets and information in the most complex operational scenarios: this is our sole mission.

Our clients recognise the unique nature of our offering: in choosing to work with us, they entrust themselves to an international company of outstanding excellence which, thanks to its Italian roots and professionals who mould the best technologies to suit effective needs, creates appropriate "bespoke" solutions.

COMMERCIAL IN CONFIDENCE

ELETTRONICA GROUP

A FOCUSED GLOBAL LEADER



COMMERCIAL IN CONFIDENCE

OUR HISTORY

ELECTRONIC WARFARE

Revenues 2015	Order Backlog 2015	People
215 Mln€	824 Mln€	710 FTE

Established in 1951, ELETTRONICA is a World Leader in Electronic Warfare with a complete portfolio of state-of-the-art solutions to satisfy the most challenging requirements of modern operational scenarios.

The solutions designed and manufactured by ELETTRONICA cover a wide range of applications and missions:
ELINT, COMINT (SIGINT), ISR, INFRARED, SELF-PROTECTION, ELECTRONIC ATTACK.

elettronica-elt-roma.com

COMMERCIAL IN CONFIDENCE

OUR HISTORY

MANUFACTURING, HOMELAND SECURITY AND SIMULATION

Revenues 2015	Order Book 2015	People
13 Mln€	18 Mln€	80 FTE

Founded in 1978 to support Elettronica in key European Programs (F104, Tornado, EFA), ELT GmbH now is a Centre of Exellence in Homeland Security, Test Validation Systems and Video Digital Boards Design and Production.

elettronica.de

COMMERCIAL IN CONFIDENCE

OUR HISTORY

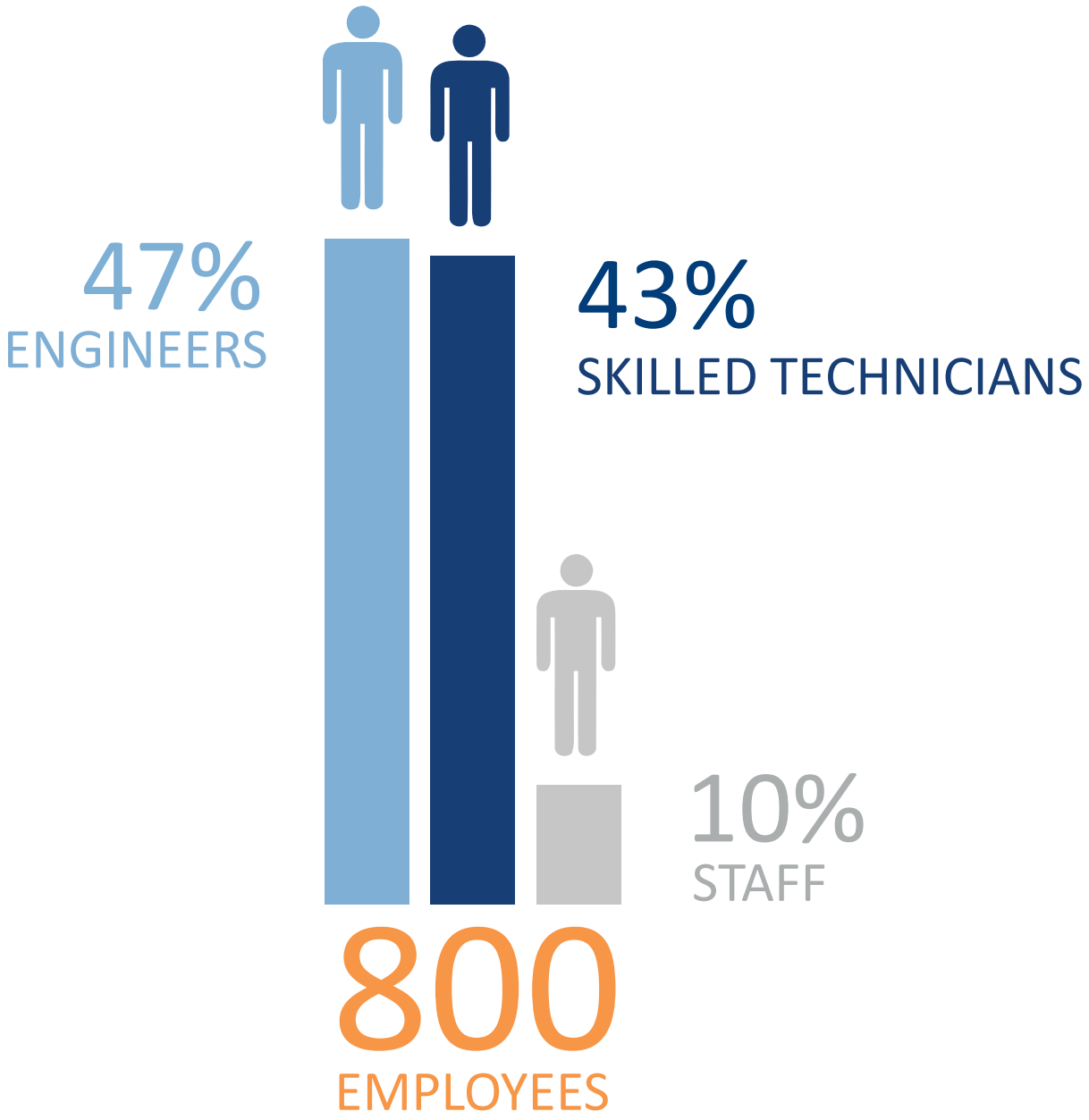
CYBER EW & INTELLIGENCE

Established in 2014, CY4GATE is a Joint Venture between ELETTRONICA and Expert System - world leader in innovative solutions based on semantic intelligence - which can provide Governments with software and hardware solutions to support the full intelligence cycle and to succeed in Cyber operations through the use of the electromagnetic spectrum, communications, operating systems and wired networks.

cy4gate.com

COMMERCIAL IN CONFIDENCE

ELETTRONICA GROUP
PERSONNEL



COMMERCIAL IN CONFIDENCE

A 360° PARTNER IN ELECTRONIC WARFARE, CYBER EW, INTELLIGENCE, EDUCATION & TRAINING

SOLUTIONS TAILORED TO THE USER, A PASSION FOR EXCELLENCE, A REQUIREMENT-ORIENTED MISSION

AIR

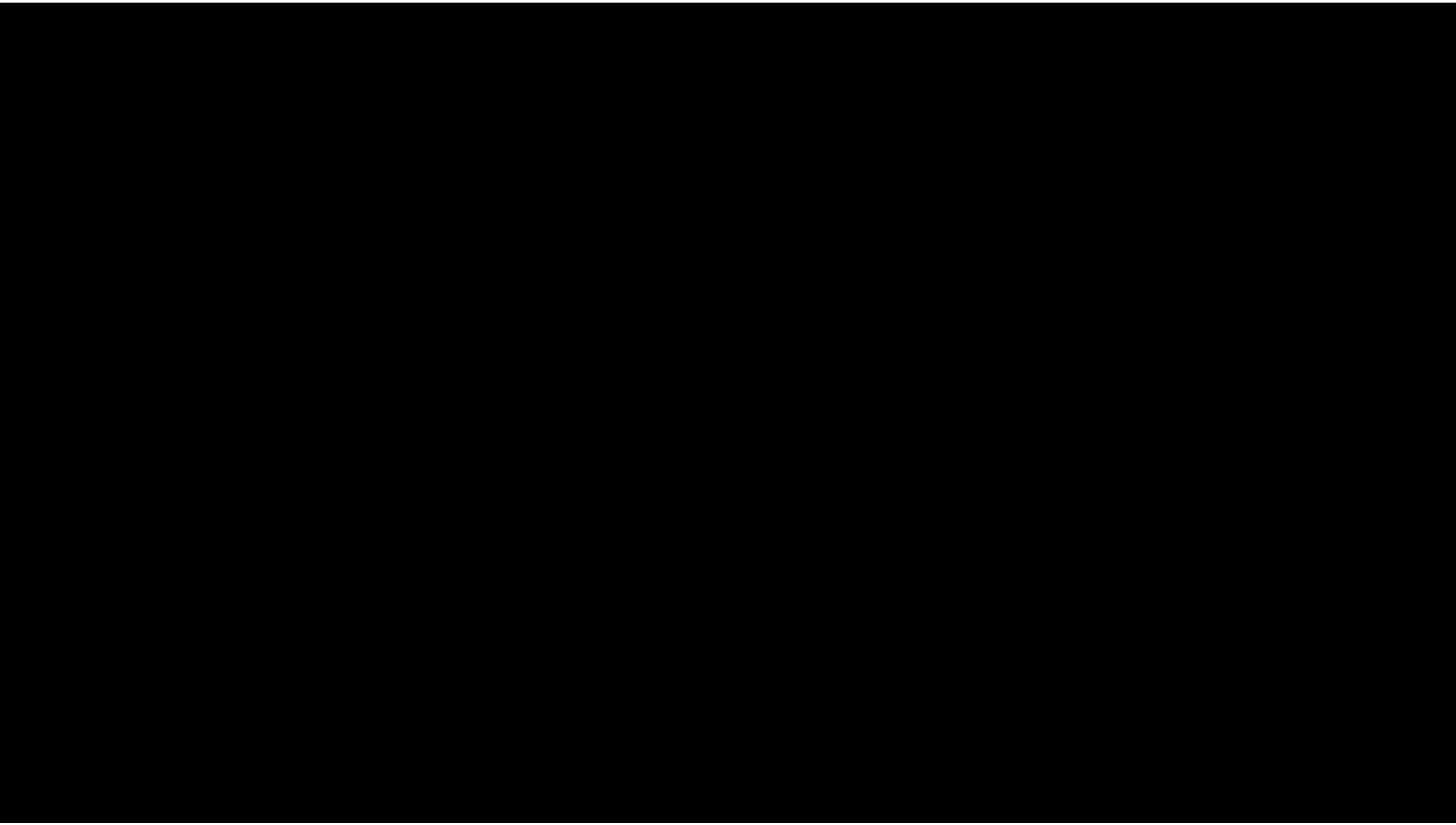
NAVAL

LAND

CYBER

Electronic Attack & Self-Protection	RWR/RESM, RECM, CECM, COMM JAM
Intelligence Surveillance Reconnaissance	RESM, CESM, SIGINT (ELINT, COMINT)
Electro Optical/Infra-Red	DIRCM
Cyber EW & Intelligence	OSINT, DIGITAL & SPECTRUM INTELLIGENCE
Public Security & Law Enforcement	OSINT, BORDER AND AREA SURVEILLANCE SPECTRUM INTELLIGENCE SECURITY
Customer Support	EDUCATION, OPERATIONAL SUPPORT, INTEGRATED LOGISTICS

COMMERCIAL IN CONFIDENCE



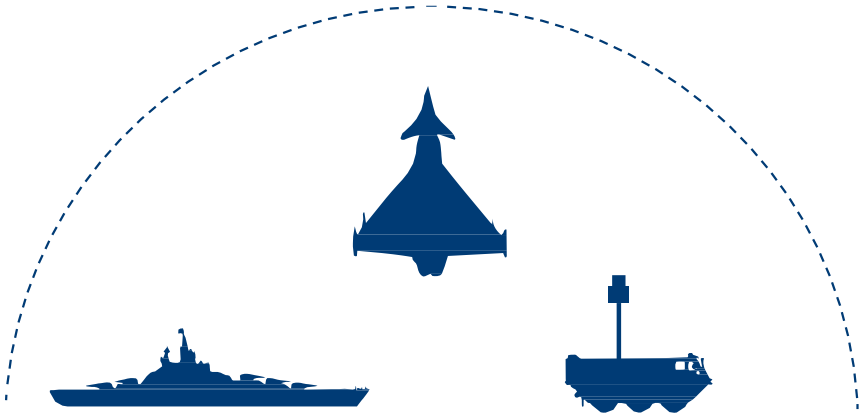
OUR PHILOSOPHY

PREPARE & EXECUTE

SUPPORT

ANTICIPATE THE FUTURE

COMMERCIAL IN CONFIDENCE



ELECTRONIC ATTACK & SELF-PROTECTION

FULLY INTEGRATED ELECTRONIC ATTACK & SELF-PROTECTION SYSTEMS

OPEN MODULAR ARCHITECTURES

ADVANCED SMART JAMMING TECHNIQUES

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

Electronic Attack & Self-Protection

EUROFIGHTER TYPHOON
«PRAETORIAN DASS»
(TX/RX SS APA)

SELF-PROTECTION JAMMER

TORNADO
ESM FAMILY «ELT/750»

ELECTRONIC SUPPORT MEASURES

MIRAGE 2000
LB ECM «ELT/558»

LOW BAND JAMMER

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

Electronic Attack & Self-Protection

AW101 CSAR

INTEGRATED ESM/ECM «VIRGILIUS»

DIRCM «ELT/572»

FIELD PROVEN PHYSICALLY INTEGRATED EW SUITE (ESM/ECM) + DIRCM

NH90 TTH

LIGHT ESM «ELT/160»

NH90 NFH ESM

«ELT/733»

ROBUST, RELIABLE, COMPACT RWR/ESM FAMILY

A-129 MANGUSTA RWR

«ELT/156 FAMILY»

LIGHT, COMPACT, RELIABLE RWR

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

Electronic Attack & Self-Protection

CAVOUR CARRIER ECM
«NETTUNO 4100»

TX/RX SS ECM

FREMM & HORIZON FREGATE
ECM «NETTUNO 4100»

360° SELF-PROTECTION ECM

ITALIAN NAVY LHD & PPA INTEGRATED
ESM/ECM <<VIRGILIUS>>

SELF-PROTECTION & ELECTRONIC ATTACK
RADAR-COOPERATIVE EW SYSTEM

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

Electronic Attack & Self-Protection

RESPONSIVE COUNTER RC-IED SYSTEM FOR MILITARY AND LAW ENFORCEMENT MISSIONS

COMPACT, LIGHT, TACTICAL, HIGH-PERFORMANCE

RC-IED JAMMER

«ELT/334»

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

Electronic Attack & Self-Protection

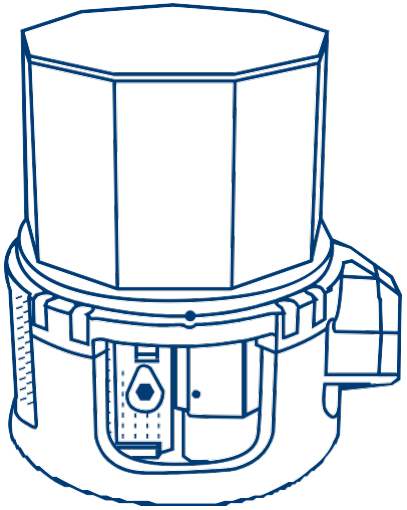
RECM «ELT/333»

COMMUNICATION JAMMER

EWC2

MOBILE, COMPUTER-ASSISTED JAMMING SYSTEMS WITH STATE-OF-THE-ART ACQUISITION AND ANALYSIS CAPABILITIES FOR RADAR AND COMMUNICATION BANDS

COMMERCIAL IN CONFIDENCE



EO/IR

Electro Optical/InfraRed

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

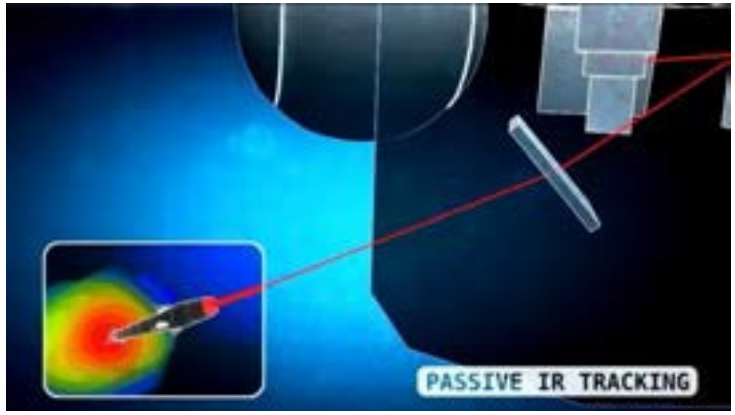
EO/IR

AW101 CSAR

«ELT/572 DIRCM»

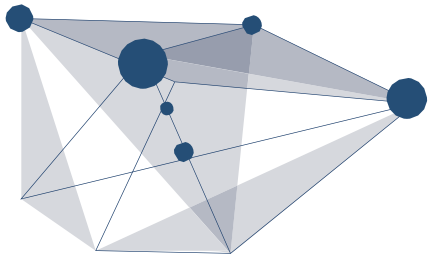
BOMBARDIER GLOBAL EXPRESS

«ELT/572 DIRCM»



FULL PROTECTION AGAINST IR-GUIDED THREATS

COMMERCIAL IN CONFIDENCE



SIGINT & ISR

Signal Intelligence, Surveillance & Reconnaissance

VERY HIGH SENSITIVITY AND ACCURACY SIGNAL INTELLIGENCE RECEIVERS

STATE-OF-THE-ART AUTOMATIC PROCESSING

COMPREHENSIVE, SUPERIOR SITUATION AWARENESS AND COMMON OPERATING PICTURE

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

SIGINT & ISR

C27J

ESM «ELT/741 & ELT/800»

ATR72

ESM «ELT/741 & ELT/800»

BOMBARDIER GLOBAL EXPRESS

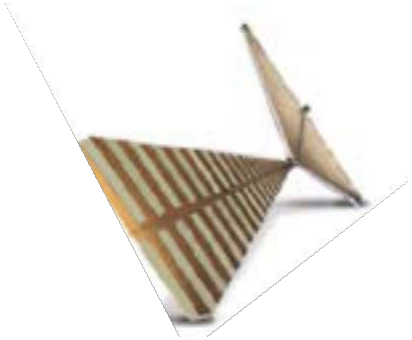
«ELT/819 + ELT/572 DIRCM»

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

SIGINT & ISR

BAYNUNAH
ESM «SEAL H»



ITALIAN NAVY LHD & PPA
ESM «ZEUS»

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

SIGINT & ISR

HDW CLASS

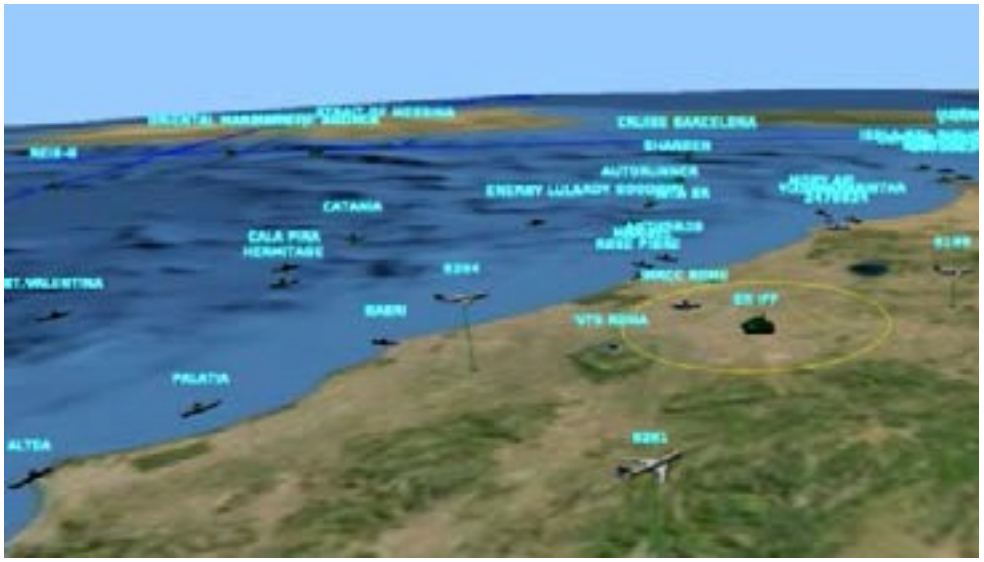
TODARO CLASS

INTEGRATED «VIRGILIUS»

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

SIGINT & ISR



C2/C4i SYSTEMS

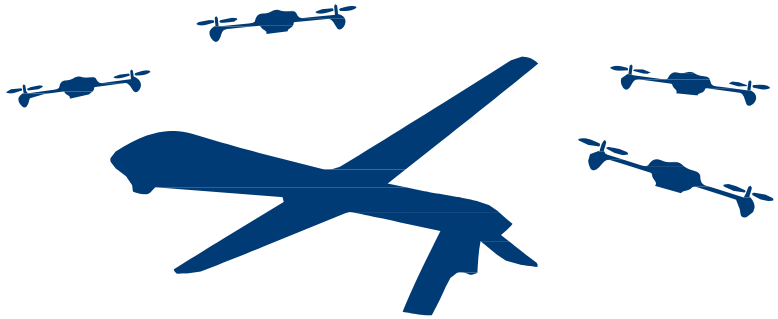
«ELT LOKI FAMILY»

ELINT

«ELT/819 FAMILY»

GROUND ELECTRONIC SURVEILLANCE IN NETWORKED ENVIRONMENT FOR REAL-TIME SITUATION AWARENESS

COMMERCIAL IN CONFIDENCE



UAS

SPECIFIC EW SOLUTIONS FOR

Unmanned Aerial Systems

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

HALE/MALE

GLOBAL HAWK - CLASS

PREDATOR - CLASS

P1HH - CLASS

SIGINT, ISR, SUPPORT JAMMING

«ELT/1002 - ELT/1003»

COMMERCIAL IN CONFIDENCE

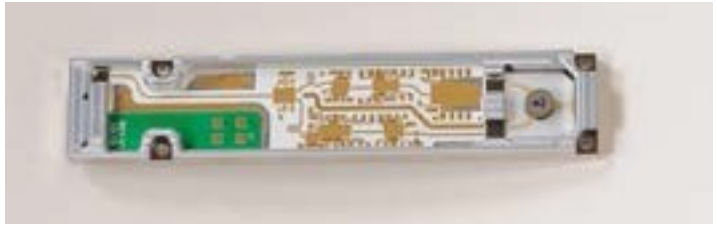
PREPARE & EXECUTE

TACTICAL

FALCO - CLASS

SD-150 HERO - CLASS

RQ7B SHADOW - CLASS



ISR, STAND.IN JAMMING

«RWR-ESM ELT/1000 - ELT /1001»

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

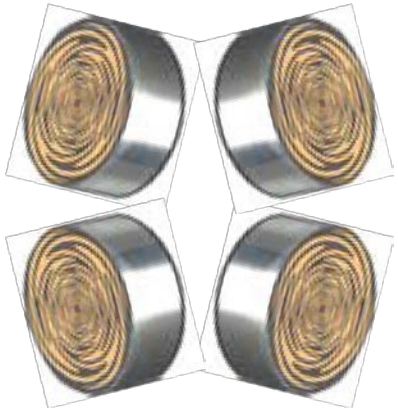
MINI/MICRO

BLACK HORNET - CLASS

SCAN EAGLE - CLASS

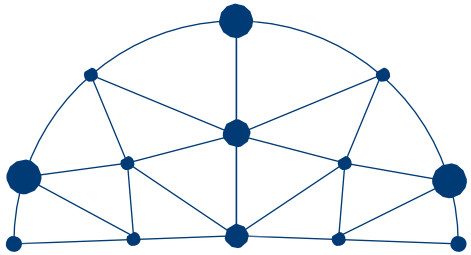
RAVEN - CLASS

SKYLARK - CLASS



DISTRIBUTED EW, UAV SWARM
HOSTILE UAV DETECTION AND NEUTRALIZATION, GPS JAMMING

COMMERCIAL IN CONFIDENCE



CYBER EW & INTELLIGENCE

A 360° Capability

COMMERCIAL IN CONFIDENCE

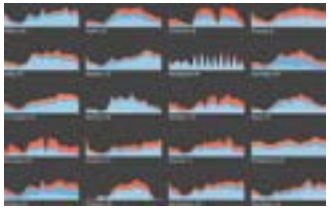
PREPARE & EXECUTE

CYBER EW & INTELLIGENCE

A 360° CAPABILITY WITH DEDICATED FACILITIES IN ORDER TO:

- Gather and collect sensitive information from the EMS of networks
- Discover patterns of meanings and operationally meaningful links in Big Data
- Gain access to a selected flow of information in a target network
- Cripple physical communications
- Degrade or incapacitate the performance of a network of systems, throught he network and operating system

CYBER EW & INTELLIGENCE CAPABILITY MODULES

LOKI +	G-SINT	DSINT	DIGILAB	CERS	EXCALIBUR
					
CYBER C2 I	Strategic & Tactical Comint -GSM AND SATELLITE INTERCEPTION	Digital Intelligence -WEB INTELLIGENCE -LAWFUL INTERCEPTION -BIG DATA ANALYSIS -CORRELATION AND CYBER COMMON OPERATING PICTURE -SEMANTIC IMTELLIGENCE	Reverse Engineering & Decryption	Defence -COMPUTER EMERGENCY RESPONSE SYSTEM -NETWORK VULNERABILITIES ASSESSMENT -PENETRATION TEST -CYBER DEFENCE	Cyber Attack -CYBER EW ATTACK AT THE PHYSICAL, NETWORK AND COGNITIVE LAYER

COMMERCIAL IN CONFIDENCE

D-SINT
Digital & Spectrum Intelligence Integrated Suite

CYBER COMMON OPERATIONAL

DISSEMINATE

G-SINT
COMINT GSM/SAT
Meta Data Analysis

ELINT
Electronic
Intelligence

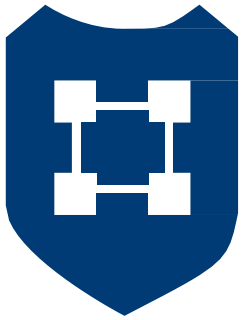
OSINT
Semantic
Intelligence &
Big Data Analysis

IMINT
Image
Intelligence

LAWFUL INTERCEPTION
IP Monitoring &
WEB Intelligence

MISSION PLANNING, EXECUTION, SYNCHRONIZATION, DATA FUSION

COMMERCIAL IN CONFIDENCE



PUBLIC SECURITY & LAW ENFORCEMENT

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

PUBLIC SECURITY & LAW ENFORCEMENT

SOLUTIONS FOR INTELLIGENCE

MUROS
Multi-Role Operational Support vehicle

MUROS

MULTI-ROLE OPERATIONAL SUPPORT VEHICLE

The MUROS systems family is conceived for surveillance, investigation and intelligence operations.

CAPABILITIES

- Border Surveillance
- Multifunctional Sensor
- Image & Video Processing
- Command & Control
- Tactical Video and Acoustic Surveillance
- Environment Measurement
- Traffic Intelligence
- Communication Intelligence and Semantic Analysis
- Intelligence Analysis Centre
- IP Data Interception and Analysis
- Jamming of Communications
- Communication, Interception and Direction Finding

COMMERCIAL IN CONFIDENCE

PREPARE & EXECUTE

PUBLIC SECURITY & LAW ENFORCEMENT

MUROS

SOLUTIONS FOR INTELLIGENCE

CAMOUFLAGED CONFIGURATION

- Lawful interception
- Communication interception between 20 MHz – 6 GHz
- Camouflaged integration of direction finding antennas
- Communication jamming
- Fully camouflaged video-cameras and microphones
- Face / speech recognition
- IP data interception and analysis
- Remote control of the vehicle and sensors

CYBER CONFIGURATION

- IP Monitoring
- WEBINT
- Common Operational Picture

BORDER SURVEILLANCE CONFIGURATION

- Integration of multifunctional equipment for thedetection and tracking of vehicles and pedestrians
- Day-night and infrared cameras
- Communication interception & direction finding
- Data fusion Centre
- Cueing of high definition cameras with radar COMINT
- Integration of micro/mini-UAV (Unmanned Aerial Vehicle) equipped with
  - Electro-optical sensors
  - Communication (WiFi/GSM) scanner

COMMERCIAL IN CONFIDENCE

OUR PHILOSOPHY

PREPARE & EXECUTE

SUPPORT

ANTICIPATE THE FUTURE

COMMERCIAL IN CONFIDENCE

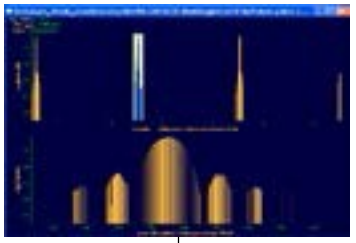
SUPPORT

EDUCATION & OPERATIONAL SUPPORT

- EW Database Management Systems
- Mission Libraries Generation and Validation
- EW Simulators for both on-board and ground training
- EW Solutions for Mission Planning, Briefing and Debriefing Tools
- EW Academy for continuous Personnel Education, Training and Certification

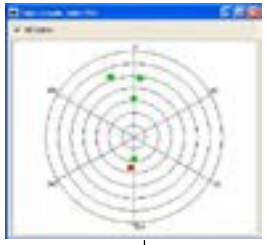
C 130J SIMULATOR

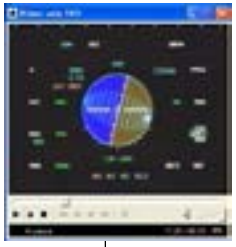
MISSION DATA ANALYSIS

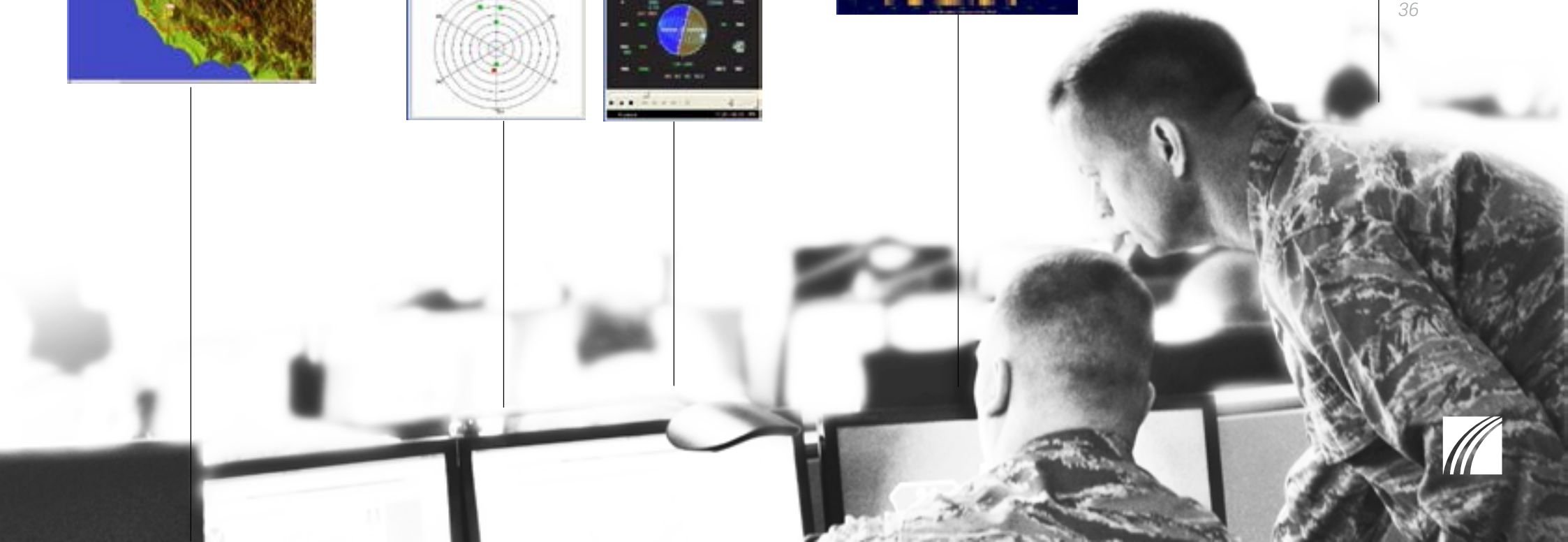


EW LIBRARIES GENERATION

BRIEFING/DEBRIEFING TOOLS







OUR PHILOSOPHY

PREPARE & EXECUTE

SUPPORT

ANTICIPATE THE FUTURE

COMMERCIAL IN CONFIDENCE

ANTICIPATE THE FUTURE

Being a leader in the present and future means having the ability to anticipate strategic decisions and adapt your vision to the evolving scenarios. ELETTRONICA cooperates with many worldwide centers of excellence to anticipate ideas and solutions and to be ready for the future challenges

ELETTRONICA GROUP
CAPABILITIES

AIR

NAVAL

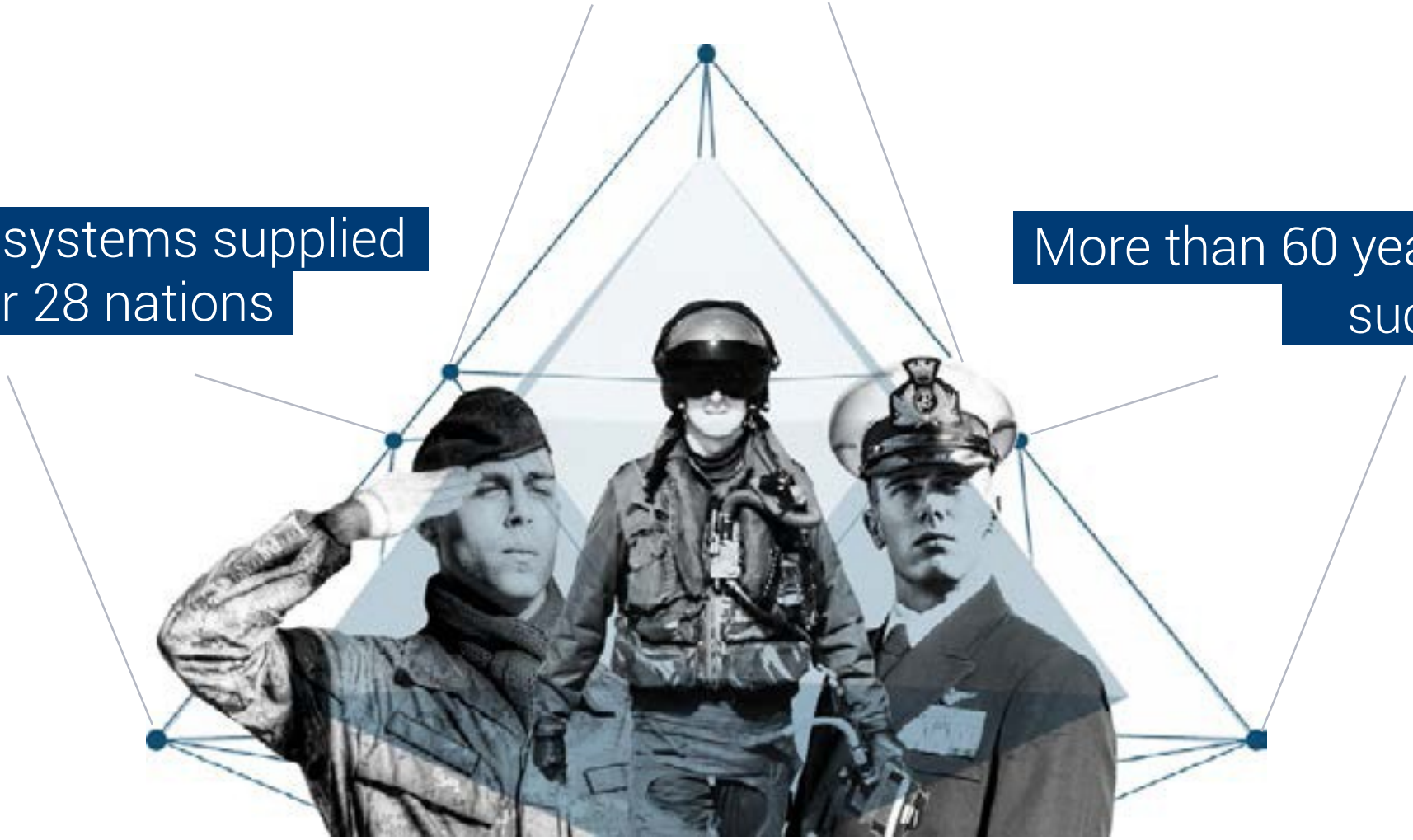
LAND

CYBER

MISSION ACCOMPLISHED

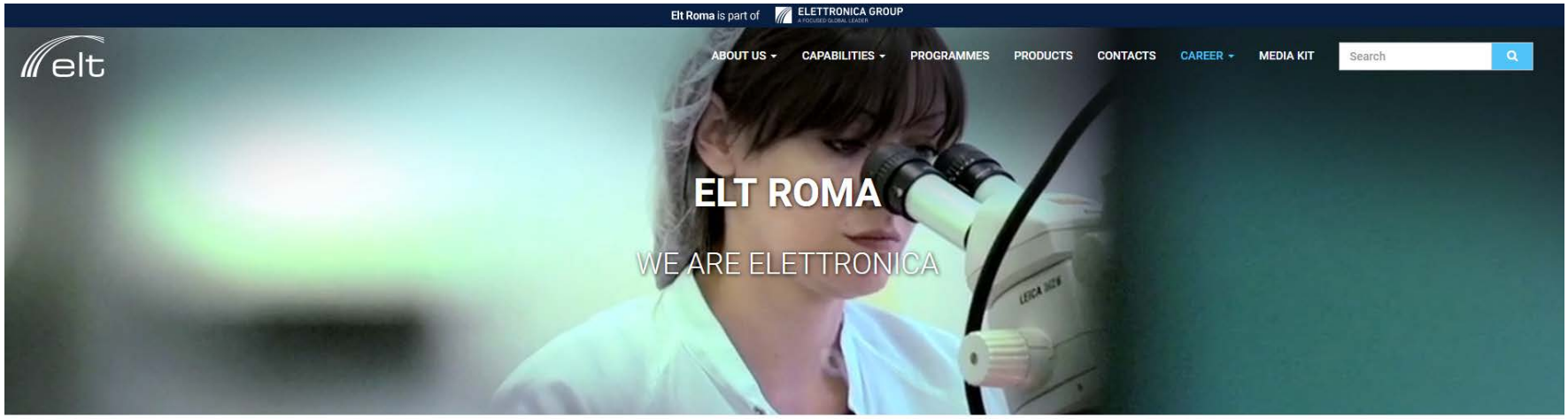
2.700 systems supplied to over 28 nations

More than 60 years of success

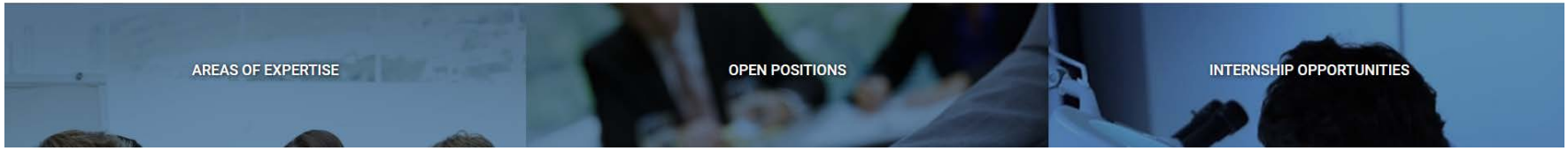


COMMERCIAL IN CONFIDENCE

http://www.elt-roma.com/career



WORK AT ELT ROMA

That patrimony of our people's experience, competence and professionalism represents the most important Elt resource and what has enabled it to achieve increasing success and recognition over the years.

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