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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.

We believe that the best way to generate innovation is to be part of it, by daily enriching our work with creativity in thought and action; with competence, competitive energy and flexibility, as well as the precious and indispensable understanding necessary to build solid partnerships and act with foresight to anticipate market needs.

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.
ELETTRONICA GROUP
- Defence
- Cyber
- Security

- THE GROUP
- REPRESENTATIVE OFFICES
- PARTICIPATIONS

Abu Dhabi
Doha
Bruxelles
USA
SOLYNX
GERMANY
ITALY
ITALY
QATAR
SINGAPORE
USA
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

Electronic Attack & Self-Protection
Intelligence Surveillance Reconnaissance
Electro Optical/Infra-Red
Cyber EW & Intelligence
Public Security & Law Enforcement
Customer Support

RWR/RESM, RECM, CECM, COMM JAM
RESM, CESM, SIGINT (ELINT, COMINT)
DIRCM
OSINT, DIGITAL & SPECTRUM INTELLIGENCE
OSINT, BORDER AND AREA SURVEILLANCE SPECTRUM INTELLIGENCE SECURITY
EDUCATION, OPERATIONAL SUPPORT, INTEGRATED LOGISTICS
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.
MANUFACTURING, HOMELAND SECURITY AND SIMULATION

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

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<tr>
<th></th>
<th>Revenues 2016</th>
<th>Order Book 2016</th>
<th>People</th>
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<tr>
<td></td>
<td>13 Mln€</td>
<td>18 Mln€</td>
<td>80 FTE</td>
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elettronica.de
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.
ELETTROONICA GROUP

OUR HISTORY

1950/1970
• Underwater electronic system (SONAR) for the Italian
• Navy IFF /SIF systems for the Italian Air force
• On-board equipment for F104 and G91 aircraft
• Radar Jamming / Training system for the Italian MoD and other Armed Forces in West Germany, France, Holland and South Africa

1970/2000
• ECM self-protection system for the F-104 aircraft of the Italian and German Air
• Forces RWR and self-protection system for Tornado
• ESM system for the Lupo class ships of the Italian, Australian, Peruvian, Ecuadorian and Venezuelan navies
• Integrated naval ESM/ECM system for the Israeli
• Navy EW Suite in POD for the Air Force of Morocco

2000/2010
• Self-Protection Jammer (SPI), Defensive Aids Sub-System (DASS), for Typhoon (EURODASS consortium)
• EW system for the Horizon and FREMM frigates (SIGEN consortium) Low Band Jammer (LBJ) for the Mirage 2000/9 aircraft

2010/2020
• Integrated EW Suite (ESM/ECM) and DIRCM for CSAR helo of the Italian Air
• Force SIGINT system and DIRCM on wide body aircraft for Middle East customer Tactical EW system (TEWS)

ECM systems
Direction Finding for ground applications
Radar countermeasure equipment
Power transmitters
TWT technology
Broad-band power tubes in the microwave field
Phased Array and solid-state Tx-Rx modules
ECM Phased Array broad-band antennas
Directional Infrared Countermeasure (DIRCM)
Integrated System (ESM/ECM)
EW Manager
Comm EW
MAESA
Cyber EW & Intelligence
Smart Algorithms

COMMERCIAL IN CONFIDENCE
ELETTRONICA GROUP
PERSONNEL

800 EMPLOYEES

47% ENGINEERS & Phd

43% SKILLED TECHNICIANS

10% STAFF

COMMERCIAL IN CONFIDENCE
PREPARE & EXECUTE
PORTFOLIO OF CAPABILITIES

ELECTRONIC ATTACK & SELF-PROTECTION

SIGINT & ISR

EO/IR

PUBLIC SECURITY & LAW ENFORCEMENT

EDUCATION TRAINING & OS

EW ACADEMY & CYBER UNIVERSITY

CYBER EW & INTELLIGENCE CAPABILITY MODULES

LOKI + G-SINT

DSINT

DIGILAB

CERS

EXCALIBUR

COMMERICAL IN CONFIDENCE
PREPARE & EXECUTE

ELECTRONIC ATTACK & SELF-PROTECTION

FULLY INTEGRATED ELECTRONIC ATTACK & SELF-PROTECTION SYSTEMS
OPEN MODULAR ARCHITECTURES ADVANCED
SMART JAMMING TECHNIQUES
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
PREPARE & EXECUTE
Electronic Attack & Self-Protection

CAVOUR CARRIER ECM «NETTUNO 4100»

FREMM & HORIZON FREGATE ECM «NETTUNO 4100»

ITALIAN NAVY LHD & PPA INTEGRATED ESM/ECM «VIRGILIUS»

TX/RX SS ECM

360° SELF-PROTECTION ECM

SELF-PROTECTION & ELECTRONIC ATTACK RADAR-COOPERATIVE EW SYSTEM

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.
PREPARE & EXECUTE

SIGINT & ISR

C27J
ESM «ELT/741 & ELT/800»

ATR72
ESM «ELT/741 & ELT/800»

BOMBARDIER GLOBAL EXPRESS
«ELT/819 + ELT/572 DIRCM»
C2/C4i SYSTEMS
«ELT LOKI FAMILY»

ELINT
«ELT/819 FAMILY»

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

Electro Optical/InfraRed
PREPARE & EXECUTE

EO/IR

AW101 CSAR
«ELT/572 DIRCM»

BOMBARDIER GLOBAL EXPRESS
«ELT/572 DIRCM»

FULL PROTECTION AGAINST IR-GUIDED THREATS
UAS
SPECIFIC EW SOLUTIONS FOR
Unmanned Aerial Systems
PREPARE & EXECUTE

HALE/MALE

GLOBAL HAWK - CLASS

PREDATOR - CLASS

P1HH - CLASS

SIGINT, ISR, SUPPORT JAMMING

«ELT/1002 - ELT/1003»
CYBER EW & INTELLIGENCE

A 360° Capability
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, through the network and operating system

**CYBER EW & INTELLIGENCE CAPABILITY MODULES**

<table>
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<tr>
<th>LOKI+</th>
<th>G-SINT</th>
<th>DSINT</th>
<th>DIGILAB</th>
<th>CERS</th>
<th>EXCALIBUR</th>
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<tr>
<td>CYBER C2 I</td>
<td>Strategic &amp; Tactical Comint</td>
<td>Digital Intelligence</td>
<td>Reverse Engineering &amp; Decryption</td>
<td>Defence</td>
<td>Cyber Attack</td>
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<tr>
<td>- GSM AND SATELLITE INTERCEPTION</td>
<td>- WEB INTELLIGENCE</td>
<td>- COMPUTER EMERGENCY RESPONSE SYSTEM</td>
<td>- PENETRATION TEST</td>
<td>- CYBER EW ATTACK AT THE PHYSICAL, NETWORK AND COGNITIVE LAYER</td>
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PUBLIC SECURITY & LAW ENFORCEMENT
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
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
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.
MISSION
ACCOMPLISHED

2.700 systems supplied to over 28 nations

More than 60 years of success