



ITALIAN MINISTRY OF DEFENCE





# Italian Participation at IMDEX Asia 2023

## 3 - 5 May 2023

Changi Exhibition Centre, Booth K25

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## **Italian Trade Agency**

**ITA - Italian Trade Agency** is the Governmental agency that supports the business development of our companies abroad and promotes the attraction of foreign investment in Italy.

With a motivated and modern organization and a widespread network of overseas offices, ITA provides information, assistance, consulting, promotion, and training to Italian small and medium-sized businesses. Using the most modern multi-channel promotion and communication tools, it acts to assert the excellence of Made in Italy in the world.

The network. Through its headquarters in Rome, an office in Milan, and a global network of 79 offices in 65 countries, linked to Italian embassies and consulates, the Italian Trade Agency provides information, assistance, promotion, training, and cooperation in the industrial, consumer goods and services sectors. The Italian Trade Agency collaborates with Italian Regions, Chambers of Commerce, Industry and Trade Associations and other public and private organizations.

Every year, ITA worldwide offices carry out hundreds of promotional projects and provide personalized services and assistance to thousands of Italian companies. The Italian Trade Agency also assists and supports foreign companies that want to establish or expand business and trade relations with Italian companies or to invest in Italy.

The main services offered to Italian companies by the Italian Trade Agency to increase the flow of exports and investments between Italy and the rest of the world are:

- · information and assistance
- · identification of commercial partners
- visits to international trade shows and industrial districts
- · support for investments abroad

#### Offices in ASEAN:

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Italian Trade Agency



## Italian Industries Federation for Aerospace, Defence and Security

The Italian Industries Federation for Aerospace, Defence and Security (AIAD) was founded in 1947. It includes almost all the national enterprises that operate with advanced technology in the design, production, research and services activities for the civil and military aerospace, military navy and army sectors.

It acts as the point of reference for all the national and foreign institutions for the coordination of all those activities in which there is a need to represent the sector's national interest, it is a member of the equivalent European Association (ASD).

AIAD is the actor of the intensive promotional activities abroad, both to coordinate the Italian participations to the most important international events and to organize and direct not only the mission of our enterprises abroad but also the visits of foreign delegations in Italy.

AIAD is a founding member of the National Technology Cluster for Aerospace. Headquartered in Roma, has an office in Brussels.

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## AIAD - Italian Industries Federation for Aerospace, Defence and Security Italian Ministry of Defence

ABET LAMINATI S n A ACCIAIERIE VALBRUNA S.D.A. A.C.S. Aeronautical Consulting & Solutions S.r.I. AEDEF Società Consortile a r.l. AEREA S.o.A. AERO SEKUR S.D.A. AFROSTRUTTURE S.n.A. AFRO TCS Sirl AGENZIA INDUSTRIE DIFESA ALMAVIVA S.o.A. ALTEC S n A AMAZON WER SERVICES EMEA S a ri AREA S.p.A. ARESCOSMO S.p.A. ARGO di T.M. FUMAGALLI S.r.L. ARGOTEC S r L ARIANES rT A.R.I.S. - Applicazioni Rielaborazioni Impianti Speciali S.r.I. FIREDESKTOP S.r.I. ASCOT TECHNOLOGIES S.r.L ASE S.n.A. ASTI AIRCRAFT SERVICES S.r.I. ASTLM S.r.L AVIO AFRO AVIOMETAL S.D.A. AVIOREC S.r.L BAGLIETTO S.n.A BATTAGGION S.D.A. BERETTA - Fabbrica d'Armi Pietro Beretta S.n.A. BMC S.r.L. BORSERINI S.r.L BRAINY SOLUTIONS ENTERPRISE S.r.L. BZSolutions S.r.l. CALZONES r.L. CANTIERE NAVALE VITTORIA S.n.A. CARBON DREAM S.p.A. CATTINI OLEOPNEUMATICA S.r.L CIRA - Centro Italiano Ricerche Aerospaziali S.c.p.A. CIVITANAVI SYSTEMS S.p.A. COGNE ACCIAI SPECIALI S.p.A. CONSORZIO TEMAGROUP COVER TECHNOLOGY S.r.I. CUBIC ITALIA S.r.I. CURTI Costruzioni Meccaniche S.p.A. Cy4Gate S.p.A. DASSAULT SYSTÈMES ITALIA S r L

DEEP BUIES of DIFESA SERVIZI S.n.A. DIGITALPLATFORMS S.D.A. DRASS GALEAZZI S.r.Lu. ECOR International S.p.A. e-GEOS Sin A FLE.SLA, S.n.A. FLDES S.r.L ELETTRONICA S.D.A. FLSEL S.r.L ENGINEERING INGEGNERIA INFORMATICA S.D.A. FUROCONTROL S n A FAE GROUP Sin A FALCONOPS S.r.I. FINCANTIERI S.p.A. FINCANTIERI Nextech Sin A FIOCOHI MUNIZIONI S n A FLYSIGHT S.r.L FORGITAL ITALY S.p.A. FOS S.p.A. FUCINE UMBRE S.r.L FUTURO S.r.I. G&G PARTNERS S.r.L GELCO - General Electronic Company S.p.A. GEM ELETTRONICA S.r.L GENERAL DYNAMICS MISSION SYSTEMS - ITALY S.r.I. GEOCART S n A GORIZIANE Group S.p.A. HITRAC ENGINEERING GROUP S.p.A. ICODEL S.C.L. **IEI**SrL ILICASMIST. INMOVA Sin A INTECH MICROWAVES S.r.I. INTECS SOLUTIONS S.p.A. INTERMARINE S.p.A. IPS S.o.A. IOC SrI ISSEL NORD S.r.L ITALIANA PONTI RADIO S.r.I. ITALSPAZIO S.r.L IVECO-OTO MELARA Società Consortile a r.L. JOINTEK S.r.L KAYSER ITALIA S.C.

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PYRAMID TEMI GROUP S.r.L.

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X-PRO S.r.L

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## Italian Secretariat General of Defence / National Armaments Directorate

The Italian Secretariat General of Defence / National Armaments Directorate was established in 1965.

The Secretary General is directly accountable to the Minister of Defence for administrative tasks and to the Chief of Defence Staff for technical-operational tasks. He directs, controls and coordinates all the activities of the Ministry's General Directorates.

The Secretariat General of Defence's main responsibilities include: the implementation of high-level administrative directives issued by the Minister, the operation of the Defence technicaladministrative area, the fostering and coordination of technological research relating to armament material, the procurement of material, equipment and weapon systems for the Armed Forces, and the support to the Italian Defence industry.

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## ITALIAN PARTICIPANTS



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Founded in Florence (ITALY) in 1993, ELDES is the world leader for "HWIL Programmable Radar Simulators" and Software Defined Radar (SDR) solutions, opening new perspectives for the validation of Radar and Electronic Warfare Systems.

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ELDES has redefined the concept of validation by allowing an accurate simulation of the radar threats, simulating not only the transmitted pulses, but also the receiver, signal processing and logics, including the ECCM.

#### **Products**

- E-PRS Hardware-in-the-Loop Programmable Radar Simulator for ESM/ECM assessment
- E-PSS Poseidon Ground Version: Hardware-in-the-Loop Programmable Seeker Simulator for ESM/ECM assessment against Anti-Ship Missiles (AShM)
- E-PSS Poseidon Avionic Version: POD mounted Hardware-in-the-Loop Programmable Seeker Simulator for ESM/ECM assessment against Anti-Ship Missiles (AShM)

· E-RES: Hardware-in-the-Loop Program-

mable Radar Environment Simulator for Radar/Seeker ECCM assessment

Key features:

- EW/RADAR systems effectiveness evaluation
- EW/RADAR techniques testing and evaluation
  - EW/RADAR libraries validation
  - HWIL realistic systems simulation
- Multi-environment usage (Lab, anechoic chamber, field)
- Full programmability





## Eurocontrol S.p.A.

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Founded in 1970, Eurocontrol S.p.A develops, manufactures, tests and qualifies custom items and complex systems for military and defence projects.

Based on customer requirements, Eurocontrol tailors life extension projects to provide the most suitable solution, as well as providing assistance in drafting technical specifications for retrofitting or upgrading older ships.

#### **Contact Personnel**

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Eurocontrol also provides naval and avionic applications with complex and complete weapon control systems.

Eurocontrol follows national and international rules to design according to required military standards, and successfully tests and qualifies new equipment every year.

#### **Products**

- Weapon controls (weapon servo systems, human machine interface panels, fire control systems, attitude angles systems)
- Power electronics (inverter, converter, motor starter, UPS systems)
- Control electronics (BWA control systems, capstan control systems)
- Servo systems (Stabilised platforms, 2 axes gimbals)
- Electromechanics (DC motors, brushless motors)
- Electro optical systems (day cameras with wide/narrow switch or continuous zoom).





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MetaSensing is a leading provider of cutting-edge Synthetic Aperture Radar (SAR) remote sensing technology for the Geospatial and Defence customers for airborne (manned and unmanned) and spaceborne platforms, covering the mapping, intelligence, surveillance, and reconnaissance (ISR) applications.

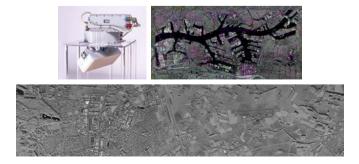
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We allow users to own their own state-of-the-art SAR technology designed and optimized around their needs and requirements to obtain 24/7 advanced tactical and strategic information and insights.

#### Products

- GUARDIAN: light-weight state-of-the-art multi-mode multichannel X-band Synthetic Aperture Radar (SAR) for Intelligence, Surveillance and Reconnaissance (ISR) over water and land.
- KAISAR: Physics-based SAR simulator for detection and classification of Maritime Vessels from Satellite SAR images.
- StarSAR-X: high-performance X-band Satellite SAR payload for ISR.





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Specialist in design and manufacturing of extra performance electrical cables for specialized applications in civilian and military settings since 1975.

NOVACAVI provides the most efficient and reliable cable solutions to face and support all activities in the most challenging scenarios including underwater and harsh environments.

#### Products

Focused on technologically advanced marine and subsea cable solutions, NOVACAVI develops and produces Aquancable®, wide range of special electrical cables for underwater technologies.

NOVACAVI proudly obtained the Italian Navy's NAV-80 homologation for miniaturized and flexible cables for electrical and electronic interconnection suitable onboard naval vessels.

- ROV tethers
- Underwater drone & robot cables
- Fiber optic subsea hybrid cables
- Umbilicals
- Subsea armoured cables/Tow cables
- Subsea detection & instrumentation cables





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Posidonia is a company that designs, builds and certifies Anchors, Chains and Deck Equipment for the Naval, Yachting, Refit and Naval Defence sectors.

It's a made in Italy for mooring and towing which is qualified and certified for highly customized products. Thanks to our Pull Test, IACS certified and the biggest in the Mediterranean (500 Tonnes), it certifies its products with all the IACS registers for the NAVY national navies of many countries around the world.

#### Products

- Anchors SHHP
- Anchors HHP
- Anchors offshore
- Chains
- Deck equipment
- Low special equipment with magnetic permeability that can be

installed on mine countermeasures vessels (MCMV).

- · Accessories.
- Finishing and polishing
- Posidonia Services: Engineering, Anchor housing test simulation, wire rope, Certifications, Pull Test.





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TERRANOVA® INSTRUMENTS engineers and manufactures electronic and pneumatic instruments for Automation and Control, which can be system integrated into turn-key systems for various industrial sectors: Chemical, Oil & Energies, Pharmaceutical, Pulp &

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Paper, Food, Power, Naval & Offshore. We are the sole manufacturing Italian group of process instrumentation, gathering the oldest and most historical Italian Brands: Spriano® (1923), Tecnomatic® (1962), Valcom® (1974), Mec-Rela® (1976).

#### Products

- Pressure, level and temperature transmitters for all types of boats
- Pressure, level and temperature transmitters for onshore and offshore applications
- Density, multipoint temperature and interface level transmitters
- Digital level switches with selfcalibration system
- Complete flow meters
- Atmospheric oil mist detectors





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