



Expodefensa 2019

Feria Internacional de Defensa y Seguridad
International Defense and Security Trade Fair

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CODALTEC
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COGES



CLASSIFICATION OF DEFENSE AND SECURITY PRODUCTS, SERVICES & INDUSTRY SECTORS

Ground, Aerial and Naval Vehicles, Aircrafts & Boats

- A 1 Up to 8 Tons Armoured Vehicles
- A 2 Light Armoured and Unarmoured Vehicles < 8 tons
- A 3 Logistic vehicles - Trucks - Trailers
- A 4 Firefighting Vehicles
- A 5 Ambulances and Sanitary Vehicles
- A 6 Crowd Control and Anti-riot Vehicles, Cash In Transit Vehicles
- A 7 Unmanned Ground Vehicles (UGV) and Systems
- A 8 Motorcycles - Quads
- A 9 Aircraft - Reconnaissance and Surveillance Aircraft - Aerostats and Operating Equipments
- A 10 Helicopters
- A 11 Aerostats, Balloons
- A 12 Unmanned Aerial Systems (UAS) / Unmanned Aerial Vehicles (UAV) and Equipment
- A 13 Parachuting and Air Delivery
- A 14 Hovercraft
- A 15 Boats, Patrol Boats, Rapid Response Boats, Vessels
- A 16 Submarines
- A 17 Unmanned Underwater Vehicle (UUV) / Unmanned Surface Vehicles (USV) and Equipement
- A 18 Upgrading Vehicles, Aircrafts & Boats

Sub-assemblies for Ground, Aerial and Naval Vehicles

- B 1 Camouflage - Coatings
- B 2 Armour - Add-on Armour - Slat-Armour - Protection kits - Hardened Glass
- B 3 Seats and Blast Mitigating Seats
- B 4 Engines and Transmission Systems - Propulsion Systems
- B 5 Wheels - Pneumatics
- B 6 Runflat and Security Devices for Pneumatics, Central Tire Inflation System (CTIS)
- B 7 Suspension - Brakes
- B 8 Shocks and Vibrations Mitigation
- B 9 Electronics - Vetronics - On-board Systems
- B 10 Connectics, Cables
- B 11 Electrical, Electromechanical or Hydraulic Equipment
- B 12 Cleaning (Compressors, filters...)
- B 13 Ventilation - Air conditioning - CBRN
- B 14 Fire-suppression systems
- B 15 Vehicle Fuel Supply Systems and Fuel Tanks
- B 16 Fuel - Lubricants - Storage - Distribution
- B 17 Winches
- B 18 Naval Equipements
- B 19 Sub-Systems of Ground, Aerial and Naval Vehicles

Weapons and Ammunition

- C 1 Air Defence Systems - Counter Rocket, Artillery, and Mortar (C-RAM)
- C 2 Air-to-Ground and Coastal Defence Systems
- C 3 Anti-tank / Wall Breaching Weapon Systems (Missiles and Rockets)
- C 4 Artillery Systems and Ammunitions (MLRS, Howitzers, Mortars, Guns)
- C 5 Guns and Ammunition > 40 mm - Turrets
- C 6 Medium Calibre Weapons and Ammunition (20 to 40 mm) - Turrets, Pods, Grenade Launchers, Guns & Mounts
- C 7 Small Calibre Weapons and Ammunition < 20 mm - Pistols, Rifles, Machine Guns, Turrets, Accessories

- C 8 Direct Energy Weapons (DEW)
- C 9 Less-Than-Lethal or Incapacitating Systems (Launchers, Ammunition, Lasers, Hailing Systems) (Excluding lasers banned from the exhibition site)
- C 10 Fuses, Homing Heads, Guidance Systems
- C 11 Land mines, Explosive Charges, Firing Mechanisms (warning : anti-personnel mines are forbidden on site)
- C 12 Propellants, Explosives, Illuminating Devices, Flares, Pyrotechnics
- C 13 Close Defence Weapons - Edged Weapons, Hand Grenades and Others
- C 14 Components of Weapons
- C 15 Upgrading Weapons and Ammunition

Communication and Information systems

- D 1 Command, Control, Communications & Information (C3I), Centers and Security Networks
- D 2 Transport Fleet Management and Logistics Networks
- D 3 Satellite communications (Networks, Terminals and Broadcast)
- D 4 Wired and Microwave Links - Optical Communications
- D 5 Emergency Communication Systems
- D 6 Radios / Software Defined Radios (SDR)
- D 7 Intercoms, Telephones, Headsets
- D 8 Antennas - Masts - Dishes
- D 9 Cyber Defense - Electronic Warfare (Encryption, Countermeasure, Forensic Communication)
- D 10 Computers - Terminal Access Units - Personal Digital Assistants (PDA)
- D 11 Peripherals and Memory Storage
- D 12 Software - Cloud solutions
- D 13 Data and image handling systems
- D 14 Cybersecurity
- D 15 Energy Systems : Batteries, Accumulators, Solar Panels..
- D 16 Connectics, Cables and Optical Fibers
- D 17 Electronic Components
- D 18 Optical and Electro-Optical Components
- D 19 Upgrading Communication and Information systems

Detection, Location, Acquisition and Deception

- E 1 Radar Surveillance
- E 2 Day-Night Vision Devices (Goggles, Sights, Thermal Imaging / Image Intensifier)
- E 3 Unattended Ground Sensors (UGS)
- E 4 Listening Devices
- E 5 Identification Friend or Foe (IFF), Emergency Beacon
- E 6 Geographical Information System - Position Finding - Navigation (GPS) - Geolocation
- E 7 Sighting / Aiming Systems, Fire-Control Systems, Laser Range Finding (LRF)
- E 8 Target Acquisition / Rangefinder
- E 9 Meteorological Measuring Means
- E 10 Topography Devices
- E 11 Detection and Warning Systems - Countermeasures (Soft-Kill and Hard-Kill)
- E 12 Signature Management (Acoustic, Thermal, Electromagnetic)
- E 13 Jamming
- E 14 People and Vehicles Tracking Devices
- E 15 Oceanography
- E 16 Mine Warfare - Sonars

Training & Simulation

Training Aids
Gunnery, Driving and Piloting Simulators
Simulated Combat Training - Convoy Trainers
Training Equipment - Simulation Devices
Firing ranges - Targets and associated equipment
Constructive Training Assets - Operations, Crises, Disasters Situations - Serious Games

Personal Equipment

Clothing (Hairdressing, Belts, Underwear, Gloves, Shoes...)
Ceremonial Equipment - Medals - Uniforms
Body Armor, Inserts and Protections
Helmets, Visors, Masks, Ear and Eye Protection
Tactical Jackets - Rucksacks - Pouches - Holsters
Technical Textiles (Against Fire, Medical, Smart...)
Individual Protective Equipment and Devices (CBRNe)
Detection and Identification Systems (CBRNe)
Decontamination Systems (CBRNe)
Survival Equipment
Climbing Gear, Ladders and Hooks
Miscellaneous Equipment (Lamps...)
Diving Equipment

Infrastructure Protection

Bastions, Fences, Barbed Wire, Sentry Box, Barriers, Bollards
Video Surveillance and Monitoring (Camera, Image Processing, Remote Control Equipment...)
Access and Entry Control - Detection of Hazardous Material and Items (Gate, X-ray, Scanner...)
Biometric Identification
Armoured Rooms - Openings and Closings Systems (Locks...) - Safety Cabinets
Camouflage
Screening Equipment (alcohol, narcotics...)
Fire Detection and Extinguisher Devices
Aspiration - Smoke Clearing - Fireproofing - Weatherstripping

Logistics for Operations - Installations

Warehouses - Installations
Camp Accommodation - Tents - Shelters - Temporary Installations
Field Kitchens - Catering Equipment - Food
Sanitary Amenities
Treatment, Conditioning, and Storage of Water
Conditioning and Packaging (Cases...)
Storage - Resupply - Tagging / Bar Coding
Handling Equipment - Cranes - Repair Means
Power, Lighting, Heating, Air-Conditioning
Generating Sets and Power Supply Systems
Power Transportation, Distribution and Regulation
Fire Detection and Alarm Systems (smoke, gas, heat detectors...)
CBRN Collective Protection (COLPRO)
CBRN Decontamination
Harbour and Maritime Infrastructures
Medical and Emergency
First Aid and Role 1 Equipment
Identification, Classification and Casualty Evacuation
Mobile and Field Hospitals
Medical and Surgical Equipment
Purification - Pest Control - Decontamination
Protective Clothing (masks, gloves...)
Rescue Equipment and Desincarceration Means

Field Preparation - Explosive Ordnance Disposal (EOD)

Excavation and Earthmoving
Ground Trafficability - Matting
Crossing Means (Bridge Layers, Bridging, Ferries...)
Signs, Delineators, Marking
Flood Barriers and Equipment (Water Tube, Sand Bag, Pumps...)
Manual Mine Clearance - Explosive Containment
Mechanical Demining
Minefield Breaching - Line Charges

K 9 Unexploded Ordnance (UXO) and Improvised Explosive Device (IEDs) : Means for Detection and Destruction
K 10 Site Remediation

Research, Design and Production - Materials

L 1 Research Institutes, Laboratories and Testing Centers
L 2 Engineering - Design Office - Prototyping
L 3 Workshops, Tools, Automated Systems
L 4 General-Use Components and Sub-Assemblies - Treatment of Materials
L 5 Control, Measuring and Testing Systems
L 6 Metals
L 7 Ceramics
L 8 Fibers : Polyethylene, Aromatic, Glass
L 9 Plastics
L 10 Glass

Disaster, Business Continuity and Homeland Security

M 1 Emergency Evacuation Systems (beacon, lighting, sirens...)
M 2 Communication and Information tools in case of Disasters
M 3 Weather Information Services - WIS
M 4 Early Warning Systems for Natural Disaster
M 5 CBRN Warning systems
M 6 Aseismic Equipment
M 7 Measurement Means for Earthquake and Volcano
M 8 Pumps for Flood
M 9 Floating Devices, Life Jackets, Capsules, Rafts
M 10 Localisation Systems for Relief and Rescue
M 11 Rescue Kit for Relief
M 12 Resuscitation Equipment (AED, oxygen masks...)
M 13 Disaster Medical Assistance Team (DMAT) Equipment
M 14 Clearing, Lifting, Cutting and Digging Equipment
M 15 Means of Preventing Human Errors
M 16 Mobile Network
M 17 Telecommuting
M 18 Dematerialization of documents
M 19 Acoustic Hailing Devices, Green Lasers
M 20 Forensic
M 21 Riot Control Equipment - Fences
M 22 Crowd and Individuals Control (handcuffs...)
M 23 Pollution Prevention and Control

Services

N 1 Manufactures Association, Competitiveness Clusters
N 2 Teaching, Training and Protecting Organizations - Schools
N 3 Central Purchasing
N 4 Customs Broker
N 5 Export Promotion Companies
N 6 Companies of Economic and Strategic Intelligence
N 7 Quality Control - Standardization - Certification
N 8 Technology and Innovation Consulting
N 9 Organization and Information Systems Consulting
N 10 Strategy and Management Consulting
N 11 Security Risk Management Consulting
N 12 Business Continuity Consulting
N 13 Logistics Engineering
N 14 Transport - Shipping - Handling
N 15 Document Engineering Companies
N 16 Technical Assistance and Maintenance
N 17 Obsolescence Management
N 18 Demilitarization Equipment
N 19 Recycling
N 20 Private Security Companies
N 21 Ministry / Embassy
N 22 Government-Related Security Organizations (Police, Civil Defence)
N 23 Chambers of Commerce and Industry
N 24 Non-Governmental Organizations
N 25 Press - Specialized Publications - Publishing - Printing
N 26 Defence Exhibition and Defence-Related Events Organizers