



Leonardo Cyber & Security Solutions

Ecosistema di comunicazioni mission critical, AI e cybersecurity per una risposta sicura ed efficace alle emergenze

Ing. Milco Fabiani
SVP LoB Police Forces & Homeland Security
Divisione Cyber & Security Solutions, Leonardo S.p.A.



Electronics



Helicopters



Aircraft



Cyber &
Security



Space



Aerostructures

LEONARDO, LEADER NELL'AEROSPAZIO, DIFESA E SICUREZZA

MERCATI DOMESTICI



ORDINI 2024
€ 20,9 MLD

PORTAFOGLIO ORDINI 2024
€ 44,2 MLD

RICAVI 2024
€ 17,8 MLD

► 2,5 MLD
INVESTITI IN RICERCA E
SVILUPPO (14,3% DEI RICAVI)



150 Paesi
PRESENZA
COMMERCIALE



111
SITI NEL
MONDO



53.566
TOTALE
DIPENDENTI*

ELETTRONICA



ELICOTTERI



VELIVOLI



CYBER & SECURITY



SPAZIO



AEROSTRUTTURE



SISTEMI UNCREWED



AUTOMAZIONE



[7 SITI IN ITALIA]

(GENOVA, FIRENZE, ROMA, CHIETI,
MILANO, CATANIA, SARDEGNA)



[>20 siti nel mondo]



[~2400 risorse]



[50 PAESI]
ATTIVITÀ COMMERCIALI

[MERCATI]



[OFFERTA]



PRINCIPALI SFIDE ALLA SICUREZZA NELLA VITA QUOTIDIANA



Migliorare la consapevolezza della situazione nelle aree altamente sensibili e potenziare le operazioni durante gli eventi più importanti



Migliore coordinamento tra le forze sul campo



Rafforzare la resilienza informatica contro potenziali operazioni informatiche ostili

APPROCCIO E VISIONE DI LEONARDO



New Generation AI driven Control Room



Advanced Mission Critical Communications and Mobile Operations



Real Time Cyber Threats Prevention Detection & Response



ADVANCED MISSION CRITICAL COMMUNICATIONS



INTERNATIONAL STANDARDS & BEST PRACTICES

ETSI 3GPP TCCA
Security By Design
E2E protection
Interoperability



TOP & EMERGING DISRUPTIVE TECHNOLOGIES

Cloud AI Cyber
Satellite
Space
Secure DevOps



PEOPLE

Solution architect
Radio/Network Planner
Data Analyst
AI Specialist
Ethical Hacker

NARROWBAND

Narrowband technology, field proven through years of operational experience is still widely adopted where voice is the key service

HYBRID SYSTEMS

Systems for the integration of narrowband, broadband and new emerging technologies (i.e. satellite) to enable the secure evolution of mission critical systems

BROADBAND

Turn key solutions leveraging strategic fueled by our 3GPP standard MCX suite

#SECURECOMMUNICATIONS

#MISSIONCRITICAL

#NEXTGENERATIONOPERATIONS





Durante il giubileo 2025 prevediamo più di 30 milioni di visitatori durante 30 grandi eventi in 12 mesi

SMART POLICE SUPPORT: FROM DATA TO VALUE FOR PUBLIC SECURITY



SALA DI CONTROLLO DI SICUREZZA DI NUOVA GENERAZIONE AI DRIVEN



MAIN INNOVATIONS

- Geomapping of any information relevant to operations
- Trustworthy AI enabled operations to gather and correlate informations from multiple sources, simplify user-machine interactions and provide suggestions
- Advanced videosurveillance capabilities
- OSINT/CLOSINT feeds
- Native integration with mission critical communications



KEY BENEFITS

- Speed up operators activities for a faster response
- Standardize operations for better services
- Increase situational awareness extracting information from multiple data sources without human intervention
- Generate a common operational picture
- High level coordination with field operators

LEONARDO SECURE DIGITAL SOLUTION



ADVANCED MISSION CRITICAL COMMUNICATIONS E MOBILE OPERATIONS



MAIN INNOVATIONS

- Broadband LTE/5G mission critical communications
- Voice, data and video streaming with geolocation
- Mobile app iOS/Android to implement police operators core tasks including AI capabilities
- Native integration with legacy narrowband TETRA/DMR networks



KEY BENEFITS

- From narrowband to broadband for improved situational awareness
- Mobile Office
- High level coordination between control room and field operators
- Simplified and faster operations on-field

LEONARDO MCX



REAL TIME CYBER THREATS PREVENTION DETECTION & RESPONSE



MAIN INNOVATIONS

- Cyber Security Operations Centre (C-SOC)
- New Generation Firewall and XDR implementing machine learning technique
- IoT security to protect camera and devices on field
- Advanced integrated threat intelligence



KEY BENEFITS

- Holistic approach to protect the critical infrastructures
- Improved resilience against data exfiltration and cameras hijacking
- New gen malware protection through behavioural analysis
- Cyber prevention through continuous threat intelligence feed

LEONARDO CYBERSECURITY FRAMEWORK





THANK YOU
FOR YOUR ATTENTION

leonardo.com

