

## the growth of Cyber Space

Internet revolution has facilitated interaction, exchange of ideas, information sharing, by offering new ways of political and social involvement, as well as economic and commercial exchange. Cyber Space is turning into a strategic driver for a Country economic and social growth. New opportunities, as well as new threats. On the ne hand, new criminal activities, such as: on-line financial frauds and credential misuse. On the other hand: criminal activities through new and pervasive tools exploiting the Net and IoT-based tool and device potential and widespread connectivity: industrial and SCADA networks, intelligent wearable devices. etc. Cyber Activism gives way to Cyber Crime (as-a-Service crime) in the Dark Web, where criminal organizations are paid to carry out Cyber war activities, frauds, thefts of industrial secrets or hacket attacks against Countries and Governmental organizations.

## the role of ICT within Cyber Security

The Country Cyber Security represents a highly strategic national challenge for the Community growth, citizen and enterprise welfare and safety. In today's technological and socio-cultural scenario, implying an overall risk increase in Cyber Space, strictly connected to the physical world, security needs to be faced with a risk-based approach, no longer bound to the sole IT data, but also to people and the cultural-historical period: users, operators, administrations, markets all require support and guidance.

## Cyber Security in Almaviva

Almaviva Cyber Security Dept. has developed an exhaustive offert, ranging from strategy definition and implementation to solution integration and managed security services, by integrating in a new double-sided End-to-End Cyber Security vision the traditional approach to information security, which no longer can cover the potential surface of attack on its own: an exterior-oriented side, protecting from hacker attacks and strongly focussed on new Cyber Space menaces over any and all devices and channels, and an interior-oriented side towards internal awareness, security measure design, implementation and management, providing secure system supply and continuity, no matter where enabling infrastructures are located.

An R&D Lab dedicated to Cyber Security Lab and the strong cooperation with its internal Competence Centers allow Almaviva to design and implement solutions for secure identity, fraud, mobile device, multi-channel communication, Cyber Intelligence and Digital Forensics management.

In its role of System Integrator, Almaviva has implemented security projects at any stage (requisition, design and best-of-breed market technology-based technical implementation) for a wide range of Customer Industries: Gov., Transportation, Financial Services, Utilities & Energy.

## the group

Almaviva means technology innovation. Solid skills, unique expertise, continuous improvement and deep knowledge on the different Industries, public and private sectors, make of Almaviva a leading Group within Information & Communication Technology at a national level.

Our mission: the development of technological solutions enabling the enhancement of operation processes and complex systems of both Enterprises and Gov. Bodies, to continuously improve service levels in a constantly evolving Marketplace.

# 45,000

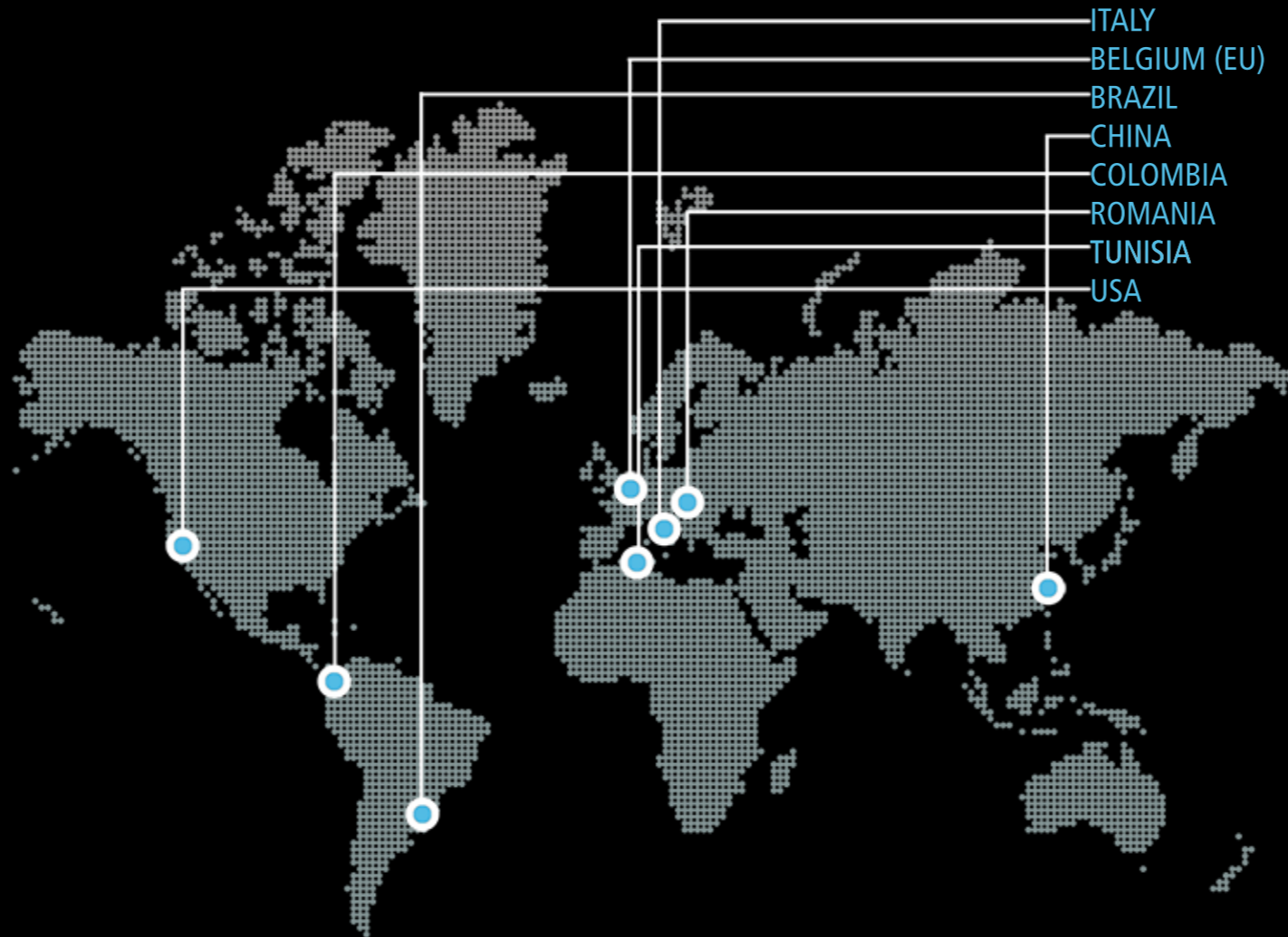
people in 2016

# 59

offices

# 8

Countries



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# Almaviva

real-time innovation

# CYBER SECURITY

PROTECTING YOUR CYBER FUTURE

# An exhaustive End-to-End Cyber Security offer: strategies, integrated solutions and MSS

**SECURITY CONSULTING & ADVISORY**  
**MSS – MANAGED SECURITY SERVICES**  
**SYSTEM INTEGRATION**  
**PRODUCTS & SOLUTIONS**  
**HOMELAND SECURITY**

## Almaviva Cyber Security Practice

### Almaviva CyberLab

Almaviva R&D Research Center dedicated to the enhancement of Cyber Security platforms, according to the Industry constantly increasing needs and new technologies (IoT, Cloud Computing, Mobile, etc.), to prototype design and new IT security technological product benchmarking. Almaviva CyberLab exploits Almaviva HyperCED© power and computational resource scalability, as well as the expertise of professionals skilled on Cyber Security technologies and processes.

Through a strong partnership programme with strategic national Research Institutes, Italian Universities, and excellent hi-tech start-up, Almaviva CyberLab defined solutions, methodological models and approaches which represent reference standards within Almaviva offering, by addressing the major information security issues and scenarios.

#### Digital Identity, Fraud Management, Mobile & App Security, IoT

Physical & logical Identity & Access Management in Cyber Space, Discovery System-based Cyber Security, Cyber Risk Management

#### Cyber Intelligence & Big Data Analytics

Cyber Intelligence & Forensics

#### Critical Infrastructures

Security Operation Center Management

#### SECURITY CONSULTING & ADVISORY

Consultancy and vertical professional service provision on security issues, including new technological drivers (Mobile, Cloud Computing, IoT, etc.) for the definition of risk-based Cyber Security and security-by-design strategies, the development of custom security roadmaps, the safe use of mobile devices, the access to systems, personal and enterprise data, the protection of information privacy, according to ruling norms and industry regulations: Security Strategy, Governance & Compliance Management, Advanced Risk Management, Security Assessment, by-Design Security

#### MSS-MANAGED SECURITY SERVICES

Cyber Security services through as-a-Service/on-premise Almaviva Service Operation Center, System & Application Security Assessment according to international methodologies and standards, MSS for Identity & Access Management, also via means of biometrical technologies, Advanced Threat, Log, Incident, Early Warning, Security Information Event, Web Application Firewall Management, and Digital Document Management, Cyber Intelligence, System & Application Security Assessment

#### SYSTEM INTEGRATION

Integration project delivery, from requisition to design and technical implementation, by using proprietary solutions and best-of-breed market technologies, and through international strategic technological and scientific partnerships

#### PRODUCTS & SOLUTIONS

Integration services of best-of-breed and proprietary products addressing Identity & Access Management, Fraud Management systems, also via mobile devices and Apps, and Data Protection. Modular, scalable, IoT- and Physical Access-oriented solutions: security, governance, digital identity and system user authentication management life-cycle management, access and internal/external user activity monitoring and interpretation to prevent from identity theft, to track transactions, to run advanced audit and centralized control activities, Cyber Security Intelligence and Big Data Advanced Analytics (Cyber Forensics)

#### HOMELAND SECURITY

Solutions for Cyber Defence, Command & Control System, Video surveillance System, tactical radars, biometrical identification technologies

