

Televes hosts GHOST kick-off, a European cybersecurity project for the Smart-Home

Santiago de Compostela, 9th May 2017. The official kick-off for the European project GHOST has taken place in the Televes Corporation facilities, headquartered in Santiago de Compostela (Spain).

The main objective set forth by GHOST is to develop a user-friendly application to improve security and privacy in a Digital Home connected to Internet of Things (IoT), using the most advanced technologies available for this purpose. In this way, GHOST will contribute to boost European IoT home market, bringing next-generation security systems for domestic applications (based on technologies like *blockchain* or *deep packet inspection*) to all users, independently of their previous knowledge.

GHOST has a budget of 4,9 million euros and a development period of 36 months. It has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement number GA-740923. Ten companies, organizations and universities from six countries are part of the project, led by Televes.

A transparent cybersecurity environment

GHOST envisions a transparent cybersecurity environment for all Europeans living in a connected world: with minimal effort consumers will become aware and understand the cybersecurity risks (threats and vulnerabilities), and will take informative decisions affecting their cyber-physical security and privacy.

Cybersecurity technology will transform consumers' decisions into reliable automated security services and solutions, will promote security-friendly end-user habits through behavioural engineering, and deliver usable transparency. To this end the project mission is to deliver the first generation of disruptive software-enabled usable security network solution for Smart-Home occupants.

GHOST cutting-edge technology will increase the level and the effectiveness of automation of existing cybersecurity services, enhance system self-defence and will open up the cybersecurity blackbox to consumers and build trust through advanced usable transparency tools derived from end-users' mental models. GHOST software will be embedded in home network gateways to perform network analysis and deep packet inspection for suspicious pattern recognition, will apply machine learning and data analytics for malicious behaviour detection, will carry out context-aware real-time risk assessment, widely apply data analytics and visualization for effortless user comprehension and decision support, strengthen security defence through blockchain technology and smart contracts, while ensuring interoperability with various gateways and a wealth of IoT devices through a dedicated middleware layer.



Members of GHOST

Participant name	Country	Organisation's Type
Televes (coordinator)	Spain	Enterprise
University of Geneva	Switzerland	Academic
Centre for Research and Technology Hellas	Greece	Academic
Norwegian University of Science and Technology	Norway	Academic
Imperial College London	United Kingdom	Academic
Exus Innovation	United Kingdom	Enterprise
Technical University of Darmstadt	Germany	Academic
Thingsmaze AS	Norway	Enterprise
Cruz Roja Española	Spain	End-user
Obrela Security Industries S.A.	Greece	Enterprise

About Televes

Televes is a leading global company focusing on the design, development and manufacture of solutions that convert the telecommunications infrastructures of buildings and homes into multiservice digital platforms. Headquarters are located in Santiago de Compostela (Spain), where the company was founded in 1958. At present, Televes is the head of a Corporation formed by 22 subsidiaries (technological, industrial and commercial), near 700 employees and 75 invention patents.

Televes has eleven international subsidiaries in Portugal, France, UK, Italy, Germany, USA, Poland, Scandinavia, Russia, UAE and China, and distributes its products to more than one hundred countries on five continents through an extensive network of distributors. With almost 60 years of experience, Televes has launched more than 1,500 different products, an achievement only possible for a company with a real passion for manufacturing. The company produces at its own facilities to ensure the highest quality and control. To achieve this, it has been a pioneer in the implementation of automated robotized lines and has its own testing and quality control laboratories. Therefore, the brand's products proudly display the "European Technology Made in Europe" stamp.

