

Helping our customers to embrace the next digital wave securely

The Factory of the Future **Cyber Security for Robots**

"There are currently >2.7 MILLION ROBOTS working across the world" ***

In the Factory of the Future, everything will be connected, including robotic systems - meaning the potential for cyber attacks will be even more present.

Robots will continue to work side by side humans more and more in the future. They will also participate in day-to-day tasks in our homes and perform critical tasks such as surgical operations, therefore preventing any cyber attacks is crucial to ensuring safety and avoiding incidents.

Cyber Security for Robots also aims to mitigate potentially large economic losses due to production stoppages caused by a cyber attack or threat.

"Attacks on industrial environments in these sectors could have serious consequences, including operational failure, physical damage, environmental harm and injury or loss of life." *



Our OT&IoT Security Value Proposition

Technology and Cyber Intelligence

Proprietary

OT Security Innovation Lab

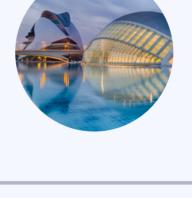
León

Innovation Lab

Cyber Security 4 Robots Lab

Munich

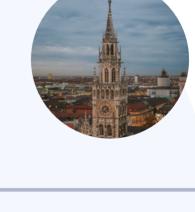




the Future

Valencia

IoT Sec & GRC



Proposition

Differentiated Value

SOCs

OT Excellence

Resilient Factory of

as one of the largest telecommunication

Our heritage





providers in the world

Focused P&S Portfolio

IoT Security





robots laboratory

Our Cyber Security for

party attacks. Telefónica Tech and Alias Robotics, a company specialising in cyber security for robots, have created a

Our Technology:

laboratory dedicated exclusively to innovation in cyber security for robots. Located at the Wayra Innovation Hub in Munich.

Cyber security solution specifically designed to protect and secure robotic end points from third

The lab features a variety of robots that are widely used in industry, such as collaborative robots - which interact directly with workers, conventional industrial robots and mobile robotic platforms.

Working together to pioneer the field of cyber security for robots and protect customers against possible cyber attacks.

> Testing facilities for customers



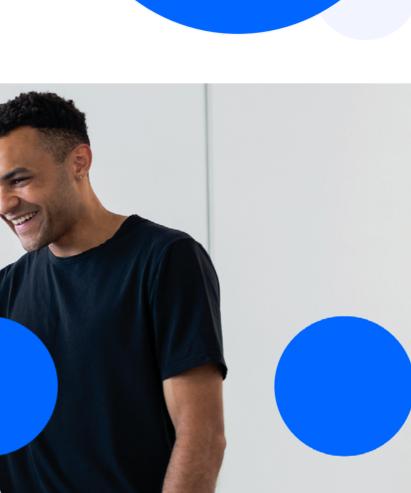
Lab Offering:

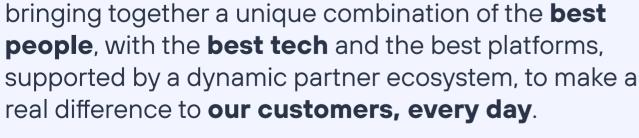


> World first cyber security for robots laboratory

> Meeting point for different stakeholders







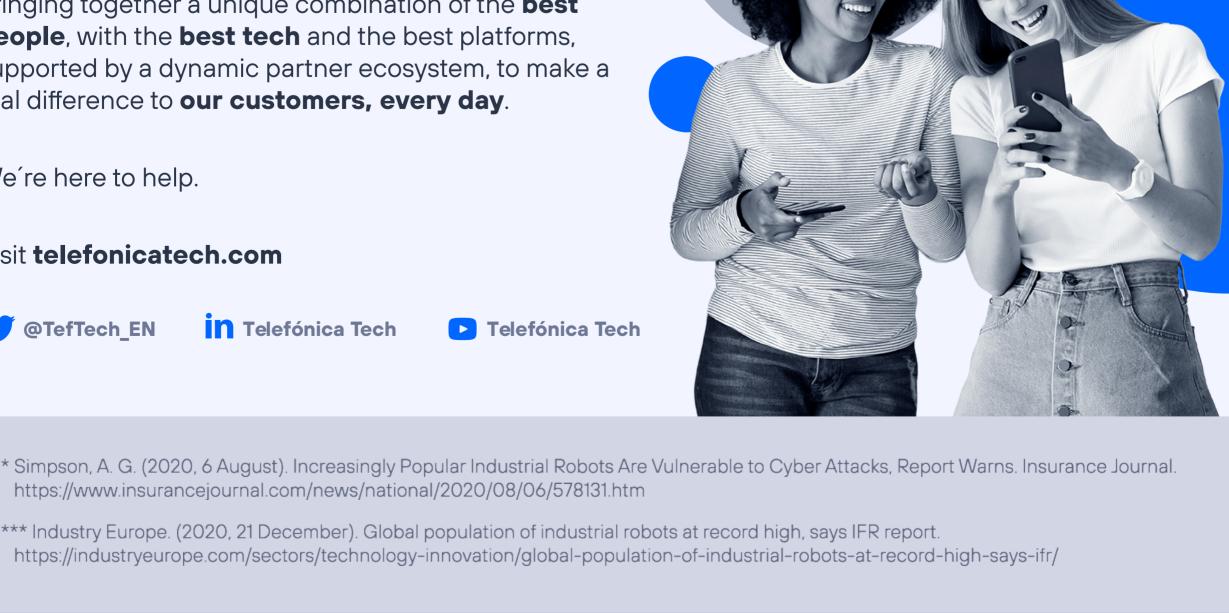
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We unlock the power of integrated technology,

* Simpson, A. G. (2020, 6 August). Increasingly Popular Industrial Robots Are Vulnerable to Cyber Attacks, Report Warns. Insurance Journal. https://www.insurancejournal.com/news/national/2020/08/06/578131.htm

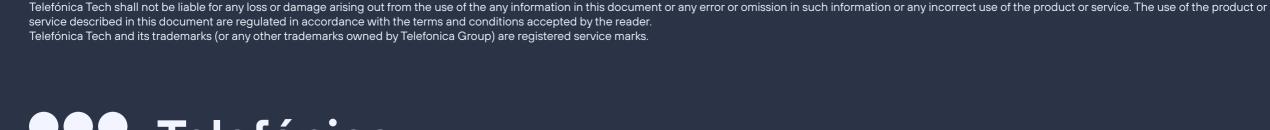


https://industryeurope.com/sectors/technology-innovation/global-population-of-industrial-robots-at-record-high-says-ifr/

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