Telefónica presents the ‘SOC of the Future’ to strengthen companies’ cyber resilience with AI

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Telefónica today unveiled the ‘SOC of the Future’ at Mobile World Congress (MWC), a new managed cybersecurity service that transforms the traditional security operations center model into a cognitive system (i.e., with the ability to simulate human thinking through the use of artificial intelligence), automated and designed for the continuous improvement of business cyber resilience.

The ‘SOC of the Future’ combines artificial intelligence capabilities integrated into the main security platforms on the market with automations and use cases developed by Telefónica Tech’s cybersecurity experts. In this way, in addition to managing alerts reactively, the system can constantly learn and optimise itself to proactively detect potential cybersecurity incidents.

By integrating information from networks, endpoints, identities, cloud environments and external exposure surface (i.e. assets and services visible from the Internet), the ‘SOC of the Future’ provides business customers with a unified view of risk, prioritising incidents according to their impact on the business and adapting detection and response mechanisms based on the threat context and accumulated operational experience.

Alejandro Ramos, Director of Cybersecurity at Telefónica Tech, said today during his speech at the MWC session that

> cybersecurity is a growing priority for all companies” and that “the traditional SOC is insufficient to deal with the complexities of the current context, marked by more frequent and sophisticated attacks, an increase in the attack surface and a lack of specialised talent”. He added: “Our ‘SOC of the Future’

> combines the knowledge of our cybersecurity experts with the most advanced technologies to detect and mitigate threats accurately and efficiently.

Advanced automation significantly reduces incident response times, freeing SOC cybersecurity experts from repetitive tasks or those associated with known and previously managed threats so that they can focus on resolving complex incidents, making high value-added decisions, and implementing strategic prevention and control strengthening initiatives aimed at reducing customer risk exposure.

The ‘SOC of the Future’ also incorporates tools to measure the impact of incidents, showing customers the evolution of their risk exposure and the continuous improvement of their resilience.

With the ‘SOC of the Future’, Telefónica is taking a decisive step forward in the evolution of managed cybersecurity and strengthening its position as a global benchmark in the provision of smarter, more automated and results-oriented security services by having the capacity to accompany organisations in the most complex digital environments.

Moeve, comprehensive cybersecurity for offices and energy parks

Moeve is one of the companies committed to moving towards an innovative and benchmark model in the field of cybersecurity in partnership with Telefónica. Both companies are working together to build a hybrid IT/OT SOC, which integrates the monitoring of information technology and industrial operations security to ensure the continuity of critical infrastructure, progressively incorporating the capabilities of the ‘SOC of the Future’.

Javier Galindo, Chief Information Security Officer at Moeve, explained today during the MWC session that

> cybersecurity is a prerequisite and intrinsic to our processes, and today it is integrated from the design stage into projects and initiatives, providing a reliable and resilient technological ecosystem for our operations. In turn, it also guarantees the confidentiality, integrity and availability of our information in an increasingly dynamic digital environment, marked by the rapid adoption of new technologies, the massive use of data and exponential hyper-connectivity. Our SOC 3.0 concept

consolidates the convergence between IT and OT cybersecurity under a Zero Trust framework, integrating identities, devices, networks, applications and data, maximising synergies between both environments while ensuring coverage of their specific operational requirements. Moving towards this hybrid SOC 3.0 means incorporating automation and disruptive technologies such as generative AI to reduce response times, ensure scalability, minimise manual intervention and reduce the risk of human error, while maintaining constant alignment between cybersecurity and business, which will be key to meeting the challenges of the coming years.

For more information: Telefónica at MWC 2026

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