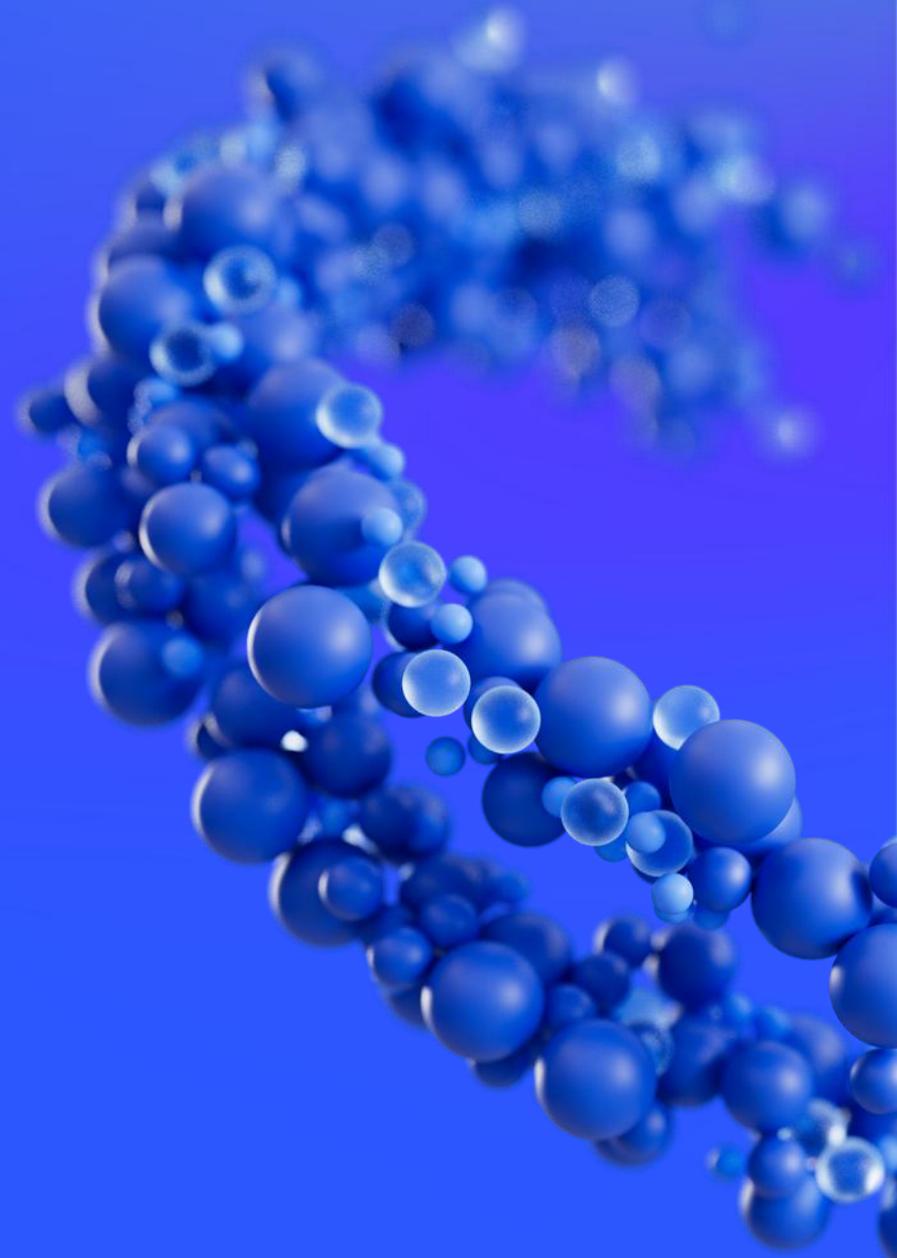


Reimagining industry with physical AI

Ready for Next



Our Speaker



Mª Eugenia Bórbore Mestre

Head of Industry Sector



A cluster of various blue 3D geometric shapes, including spheres, rings, and discs, arranged in a dynamic, overlapping pattern in the top right corner of the slide.

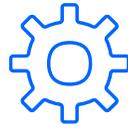
Physical AI is here

Physical AI Is here



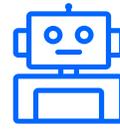
Physical AI

Intelligence comes to life.



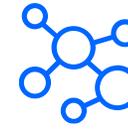
Real-time decision

From automation to real-time decision-making.



Adaptability

Robots that learn, adapt and collaborate.



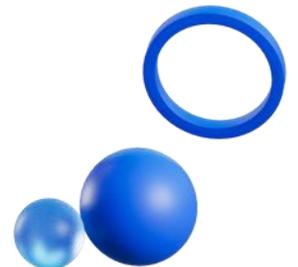
Next era

The next era of smart factories



Cybersecurity

Cybersecurity threats may have physical impact





The Momentum

The Momentum

Investments

\$40B+ invested
in robotics (2025)

\$40B+

Growth

+74% year-over-year
growth

+74%

Physical AI

Physical AI at the core
of industrial transformation

+AI

Next wave

The next major
industrial wave

now+



Our Speaker



Darío Cesena

Director de IoT



Telefónica
Tech



Grupo Gallo's

Autonomous Mobile Robotics project

Grupo Gallo's autonomous mobile robotics project

Real-time optimization

Optimizing intralogistics in real time.

Scalable robotics

Massive deployment of Autonomous Mobile Robots (AMRs) and flexible integration.

Fleet Intelligence

Fleet Management Routing platform for guiding AMRs.

Digital twins

Future applications in digital twins and scenario simulation.





Telefónica's role

Telefónica's role



Beyond connectivity

More than connectivity.



Ecosystem integration

Industrial ecosystem integrator.



Digital Stack

5G, Edge, AI and Cybersecurity.



Tech to value

Turning technology into real value.



Future industry

Enabling the industry of the future.



Human + Machine



Human + Machine

01.

**Advanced human
robot collaboration**

02.

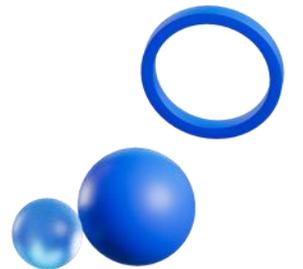
**Content-aware,
flexible robotics**

03.

**Humanoids as
catalysts for change**

04.

**Inspired by the future,
delivering impact today**





From vision to action

From vision to action

Smart Sorting

Intelligent intralogistics sorting

End-to-end

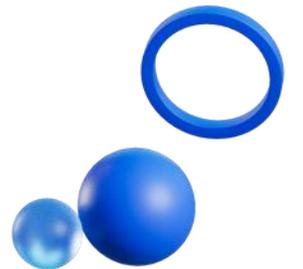
End-to-end traceability

Real-time Edge

AI at the Edge + 5G

Humanoid

Humanoid in operation





Paradigm shift:

from “IT security” to “cyber-physical safety”

Paradigm shift: from “IT security” to “cyber-physical safety”

In IT

We protect data,
users and applications.

In Physical AI

We protect automated
decisions that act on
the physical world.

A security failure can:

01.

Stop a plant

02.

Damage equipment

03.

Damage
equipment



Technology that makes it real

Technology that makes it real

Private 5G

Private 5G:
seamless connectivity

Edge Computing

Edge Computing: intelligence
close to the process

AI & computer vision

AI & Computer vision:
see, understand, decide

Next generation

Next generation
SCADA

Cybersecurity

Cybersecurity as
a safety layer for
Physical AI





Grupo Gallo's

vision empowered by intelligent robotics

Grupo Gallo's vision powered by intelligent robotics

Continuity

Mission-critical processes.
Zero downtime.

Performance

More flexibility. More
resilience. More efficiency.

Real-time

Real-time AI,
where it really happens.

Impact

From operational efficiency
to business impact.



Our Speaker



Vicente Segura

Head of OT and IoT Security



Telefónica
Tech



Mission critical SOC

Mission Critical SOC: Resilience for Cyber Physical Operations

Operational Context

Cyber events assessed through physical and business impact.

Controlled Trust

Zero trust architecture across IT, OT, Edge and AI environments.

Assured Continuity

Protection of critical processes aligned with availability and safety.

Integrated Governance

Centralized visibility, coordination and cyber-physical risk oversight.



Physical AI is here

Physical AI is already transforming industry, enabling more flexible, efficient and resilient factories where machines and people learn and collaborate in real time.

This revolution is only possible with an integrated digital ecosystem — 5G, Edge, AI and robotics — and Telefónica makes it possible.

Cybersecurity becomes a structural element of the business, protecting not only data, but also operations, people and mission-critical process.

The real value lies in partnership, supporting industry in turning Physical AI into real, secure and scalable impact — starting today.





 **Telefónica**