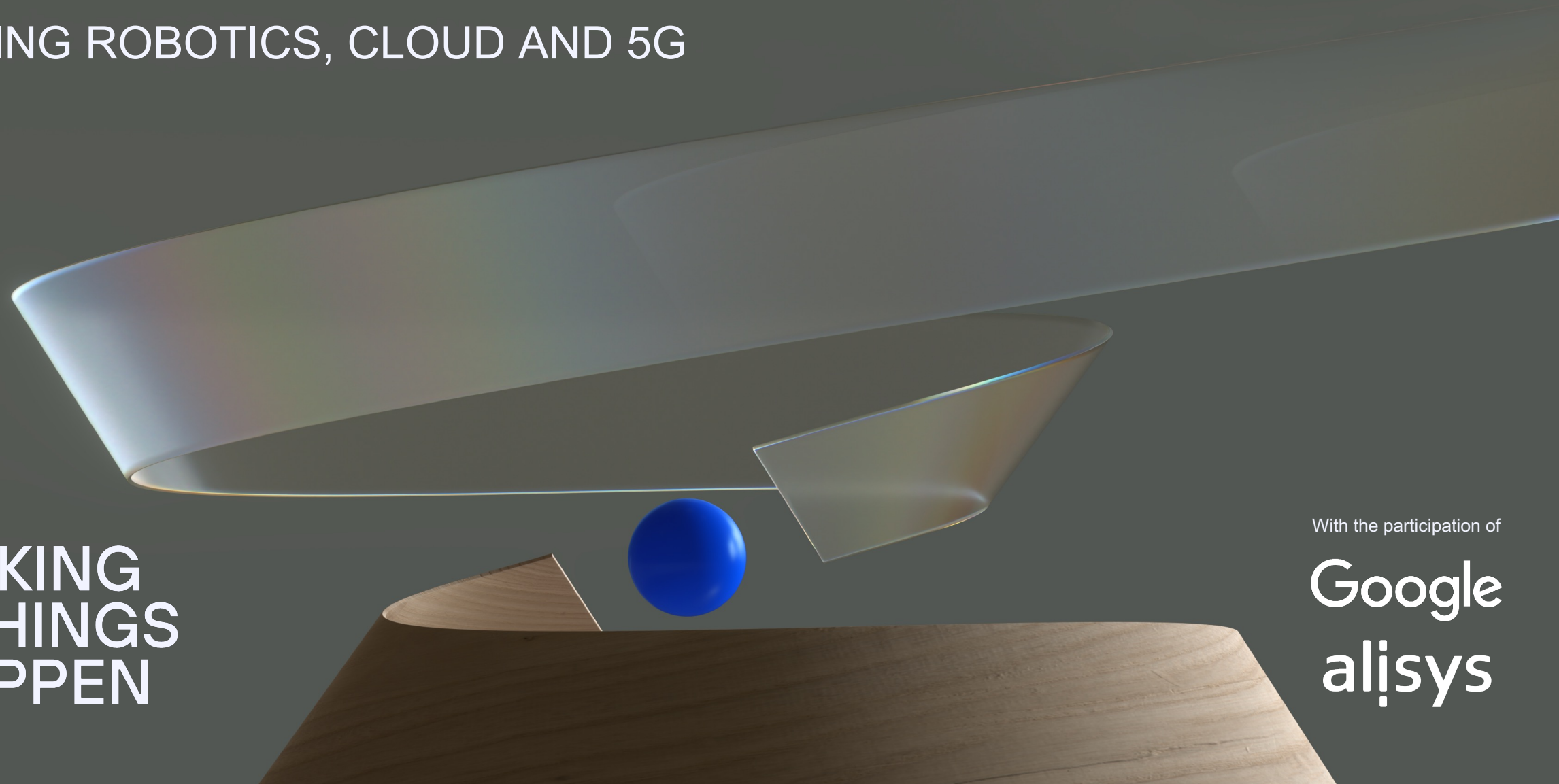
Telefónica

REMOTE DIGITAL TWIN

JOINING ROBOTICS, CLOUD AND 5G



MWC 2023

MAKING
THINGS
HAPPEN

With the participation of

Google

alisys

MWC 2023

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5G, CLOUD AND ROBOTICS

THE PERFECT MIX

02

A DEEPER LOOK INTO THE CLOUD

GOOGLE CLOUD PLATFORM

03

IT'S DEMO TIME!

THE FUTURE IS NOW

5G, CLOUD AND ROBOTICS: THE PERFECT MIX

SPOT + 5G
LIDAR AND HD CAMERAS

5G

CLOUD APPS

LiDAR | DIGITAL TWIN | COMPUTER VISION

REMOTE CONTROL | AUTONOMOUS ROUTES

Google Telefónica

5G

OPERATIONS & CONTROL CENTER

OUR CLIENTS

OIL AND GAS
POWER
NUCLEAR
CHEMICAL

MINING
AGRO
CONSTRUCTION
WOOD

MANUFACTURING
LOGISTICS
AUTOMOTIVE
FOOD

DEFENSE
SECURITY

REMOTE INSPECTIONS AND PERIMETRAL SECURITY

INVENTORING
SITE DOCUMENTATION

3D SCAN MAPPING
BIM

AI/ML, Data Leadership

Embedded Artificial Intelligence across network & cloud

Telco Cloud Infrastructure

Large Network & Region footprint and consumption-based models

Sustainability: Operating the Cleanest Cloud in the industry

Google Cloud Solution Workflow

Scene Processing	Model Training	Real Time 3D	Inference	Evolution
Compute Engine	AutoML	Compute Engine	Vertex AI Vision	Immersive Stream for XR
Cloud GPUs	Cloud Storage	Cloud GPUs	BigQuery	

It's demo time!

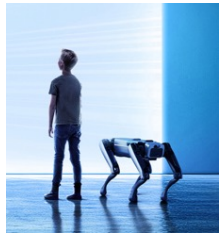
Telefónica Google alisys

01

Generating a remote digital twin

3D real time scan

02



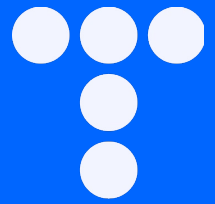
Powering industrial metaverse

Digital twin rendering

03

Computer vision for Industry 4.0

Assisted remote supervision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