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Leading Change
Inspiring Progress

Telefónica

Open collaboration to innovate

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GSMA

Open Gateway

An industry (r)evolution

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GSMA Open Gateway in the world

28 Markets

72 Operator Groups

284 Mobile networks

>80% Of network connections

COMPUTING SERVICES

- Edge Application Management
- Simple Edge Discovery
- Traffic Influence

COMMUNICATION QUALITY

- Connectivity Insights
- Connectivity Insights Application Profiles
- Connectivity Insights Subscription
- QoD Provisioning
- QoS Profiles
- Quality on Demand
- Home Devices QoD

COMMUNICATION SERVICES

- SMS API
- SMS Delivery Subscription
- BYON, Call Handling Service
- BYON, Notification Channel
- BYON, RACM Service

DEVICE INFORMATION

- Device Identifier
- Device Reachability Status
- Device Reachability Status Subscription

PAYMENTS AND CHARGING

- Blockchain Public Access
- Carrier Billing
- Carrier Billing Refunds

LOCATION SERVICES

- Geofencing Subscriptions
- Location Retrieval
- Location Verification
- Population Density Data
- Most Frequent Location

AUTHENTICATION AND FRAUD PREVENTION

- Call forwarding Signal
- Device Roaming Status
- Device Roaming Status Subscription
- Device Swap
- Know Your Customer Fill In
- Know Your Customer Match
- Number Verification
- One time password SMS
- SIM Swap
- SIM Swap Subscription
- Scam Signal

GSMA Open Gateway

BYON : Bring Your Own Number

QoD : Quality on Demand

RACM : Registration and Connectivity Management

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Telefónica Open Gateway

Say hello to Open Gateway in UK

vodafone BT EE Virgin media O2 3

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Telefónica Open Gateway

Open Gateway digital services

JOIN US & ENROLL IN OUR

Developer Hub

Partner Program

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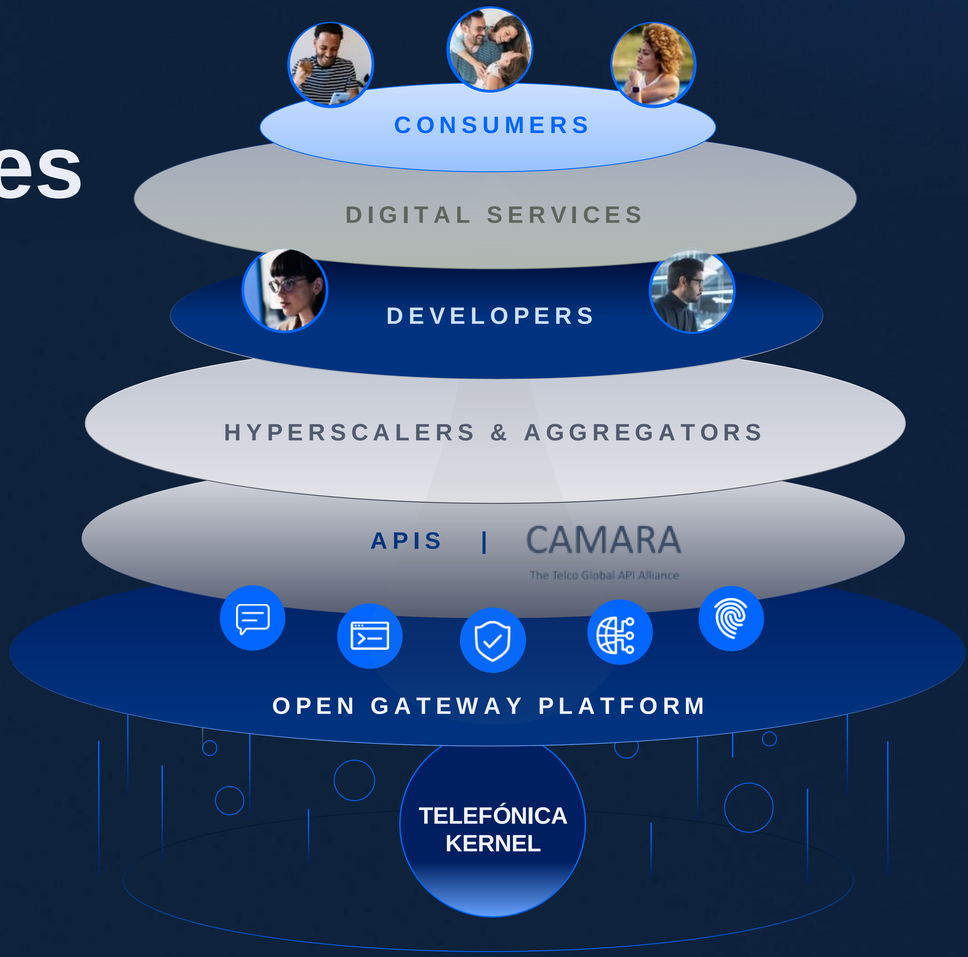

Network as a key platform to digital ecosystem

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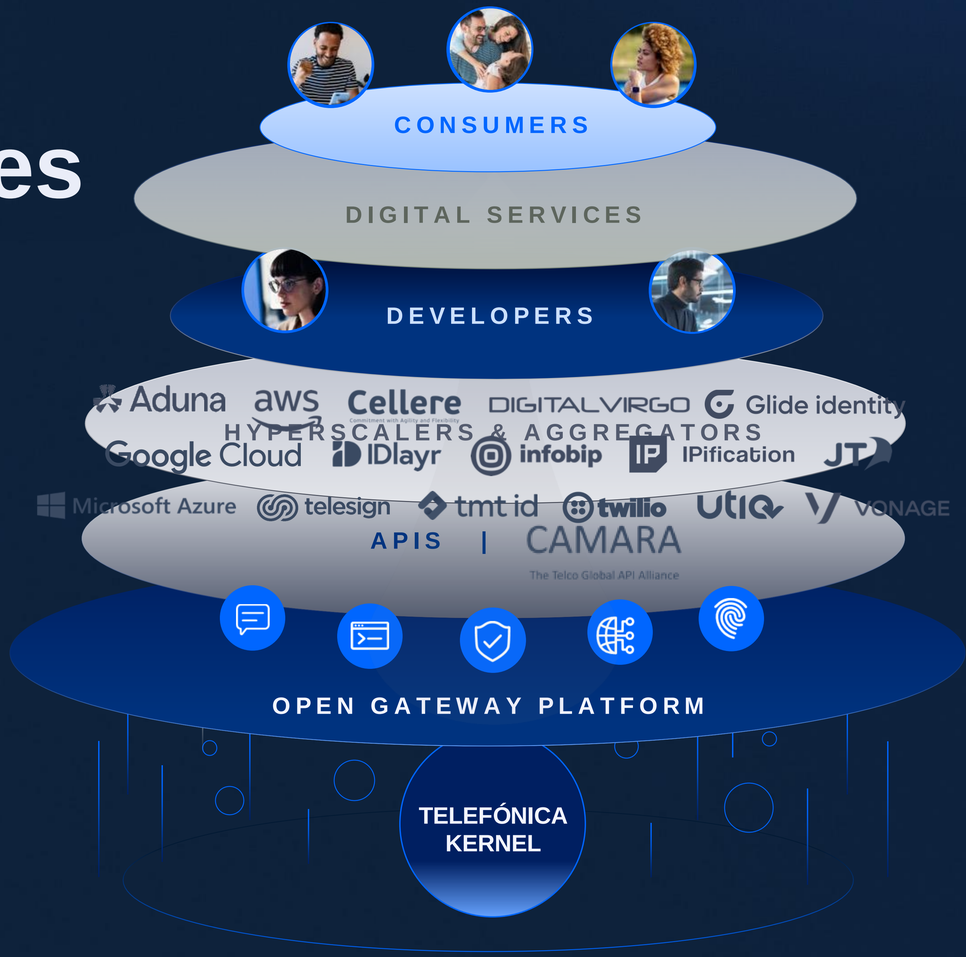

Network as a key platform to digital ecosystem

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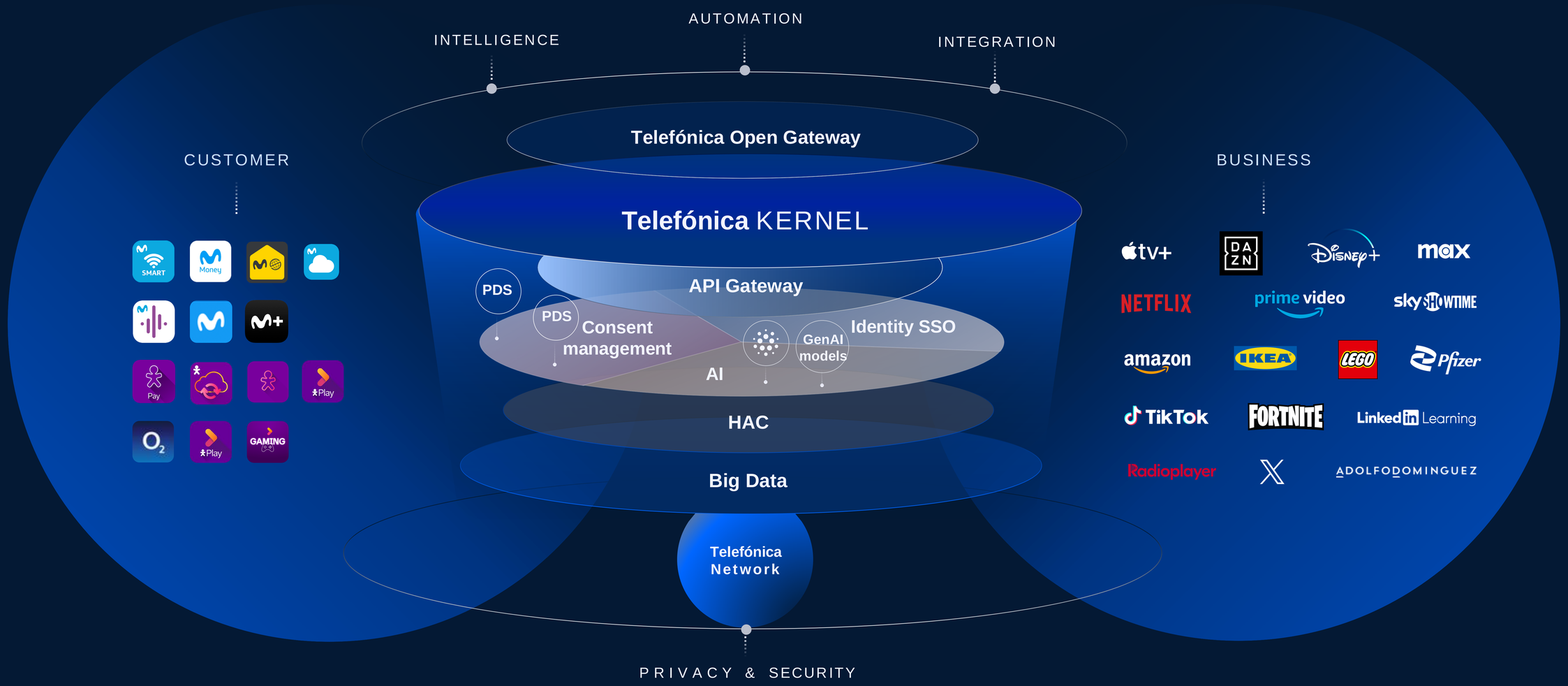
The platform for new intelligent Digital Services: Kernel 2.0



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VIDEO

Accesses

10M

APPS

Active users

43M

AURA

Active users

11M

HAC

Home Advanced Connectivity

Connected devices

12M

SMART WIFI

HGUs

11M

Telefónica KERNEL

API calls	Data records	Standardized APIs
33MM	**578MM**	**183**

GLOBAL PAYMENT PLATFORM

Transactions

112M

MOVISTAR TOKENS

Active accounts

283K

LIVING APPS

Num. sessions

9M

INNOVATION SERVICES

- Wallet
- Quantum Encryption
- VerifAI
- Latch
- Movistar Home Connect

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Aduna

Uniting Telecom giants to revolutionize Network APIs

A shared vision of building a global, open, and standardized API ecosystem to spur innovation in digital services.

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Telefónica KERNEL

Microsoft Azure

Accelerating Open Gateway adoption by offering Kernel capabilities on Azure

An opportunity to enrich digital services by adding AI capabilities
to existing use cases and APIs

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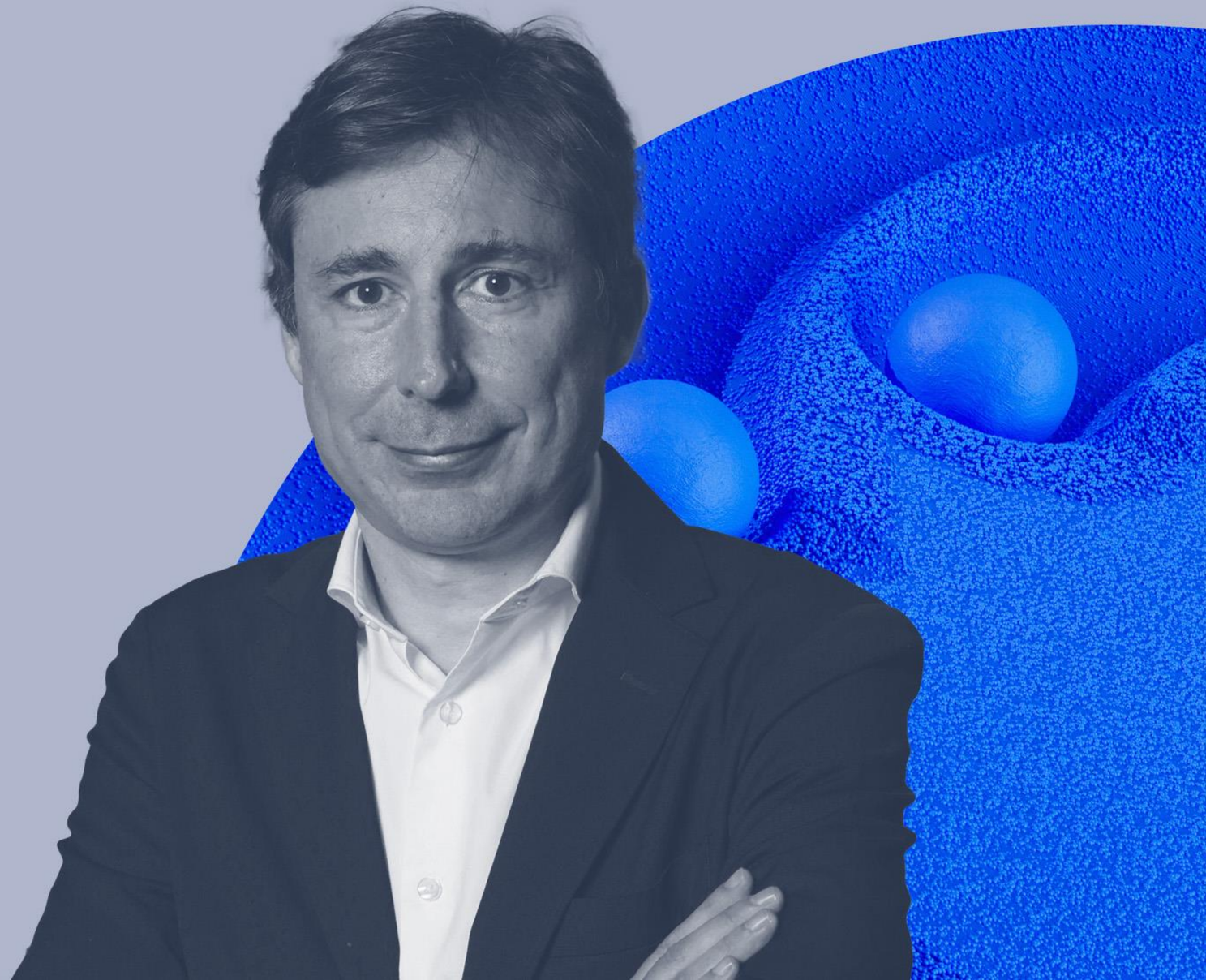
Paco Salcedo

President **Microsoft Spain**



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Telefónica KERNEL Microsoft Azure

Expanded collaboration to offer Telefónica Kernel to the telco industry on Azure

Strategic investment
to jointly offer Kernel's capabilities to telcos and developers on Azure Marketplace

Joint go-to-market strategy
to offer innovative digital services and accelerate Open Gateway adoption

Seamless capability offering
on Azure Marketplace, available to all Azure users

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Telefónica Open Gateway

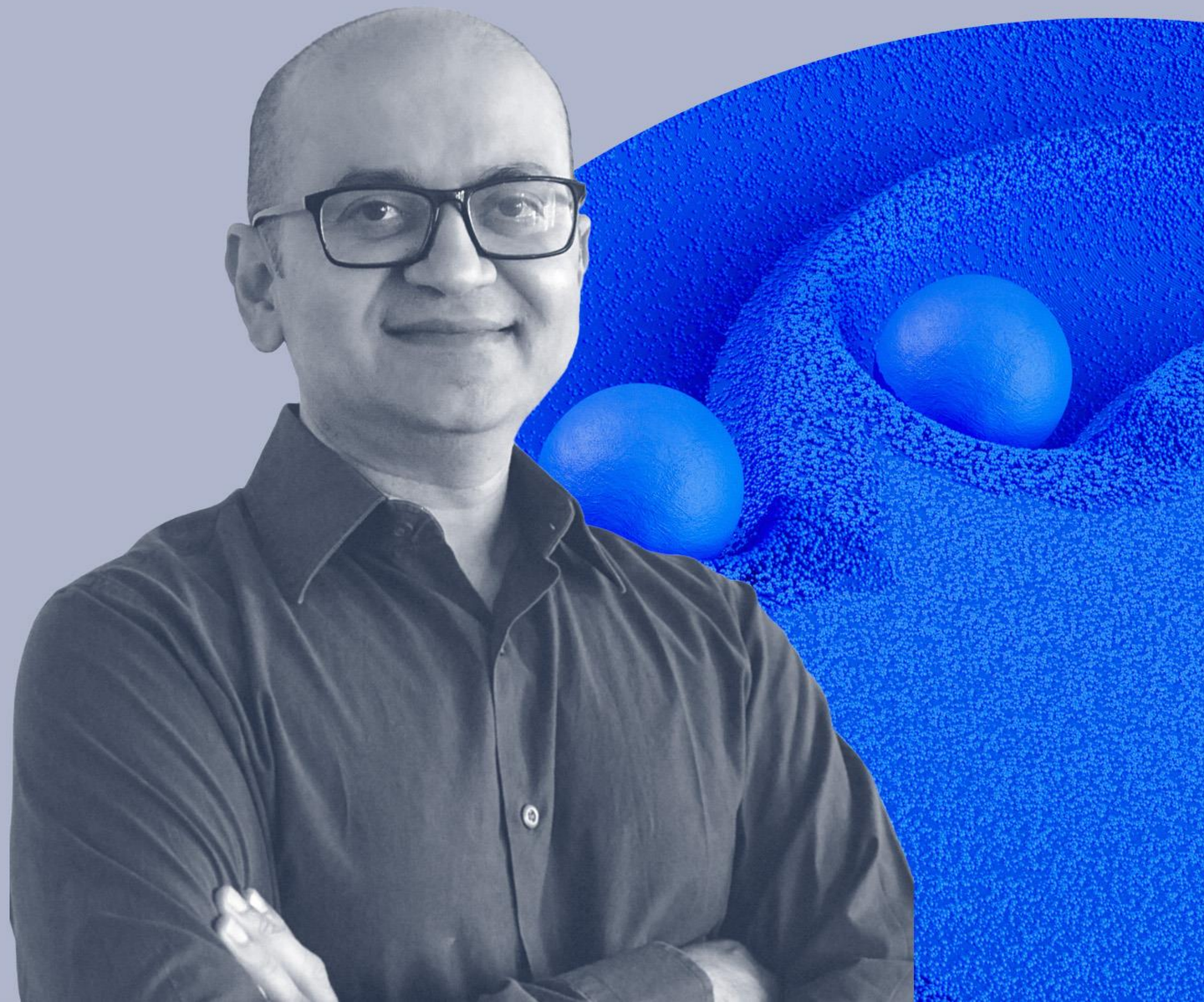
aws

Digital Innovation Center

Telefónica

Ishwar Parulkar

Chief Technologist for Telecom and
Edge Cloud at **Amazon Web Services**



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Telefónica Open Gateway

aws

An Open Gateway accelerator for telcos powered by AWS

A SaaS insights platform for telcos
to develop next-generation data-driven Open Gateway APIs

AI-powered data analysis
merging mobility telco data and cloud infrastructure

Democratizing Technology
to deliver ‘plug and play’ cloud solution for telcos

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Telefónica Open Gateway

Disrupting the industry with startup mindset

CHANNEL PARTNERS

20+ Active

20+ Under Negotiation

CUSTOMERS

50

OPEN DEALS

200+

POCs

30+ Completed

30+ In progress

CUSTOMERS

BBVA, BancoDaycoval, cabify, CREDIATIVOS, frete.com, Getnet By Santander, inter, itaú, Millennium, PicPay, SERVIZO GALEGO de SAÚDE, Sabadell, TikTok

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AUTHENTICATION AND FRAUD PREVENTION

An additional layer of security (for fintech)

Online fraud prevention through SIM-based device verification.

Instant detection of recent changes or SIM cloning.

CUSTOMER

BBVA

CHANNEL PARTNERS

JT link mobility

CSPs

Telefónica vodafone +O

Increased security by identifying suspicious changes and SIM cloning:

- Real time detection.
- Operator-drive security.
- Seamless integration.

SIM Swap API

OPEN GATEWAY · GSMA · CERTIFIED API

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AUTHENTICATION AND FRAUD PREVENTION

Secure banking through operator data

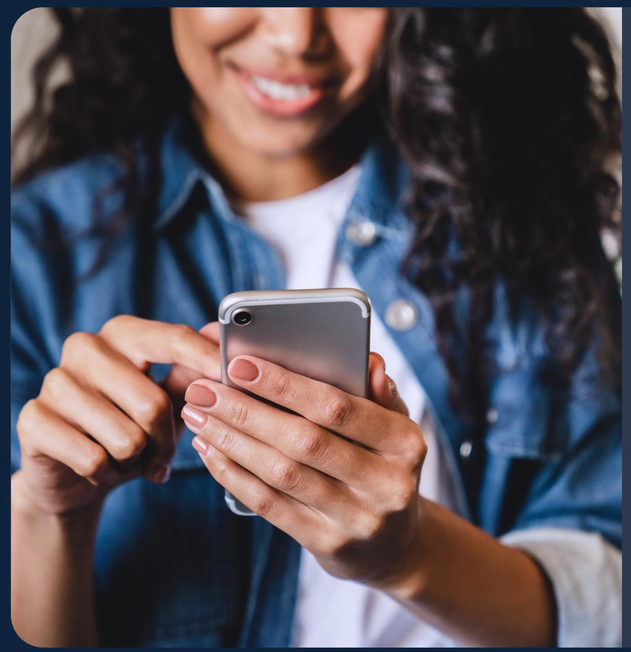
Protected transactions thanks to real-time identification of potential fraudulent SIM Swap activity.

CUSTOMER

Getnet By Santander

CHANNEL PARTNERS

infobip



Enhanced security with operator-driven SIM swap monitoring:

- Instant verification.
- Network-based security.
- Effortless user experience.

SIM Swap API

OPEN GATEWAY · GSMA · CERTIFIED API

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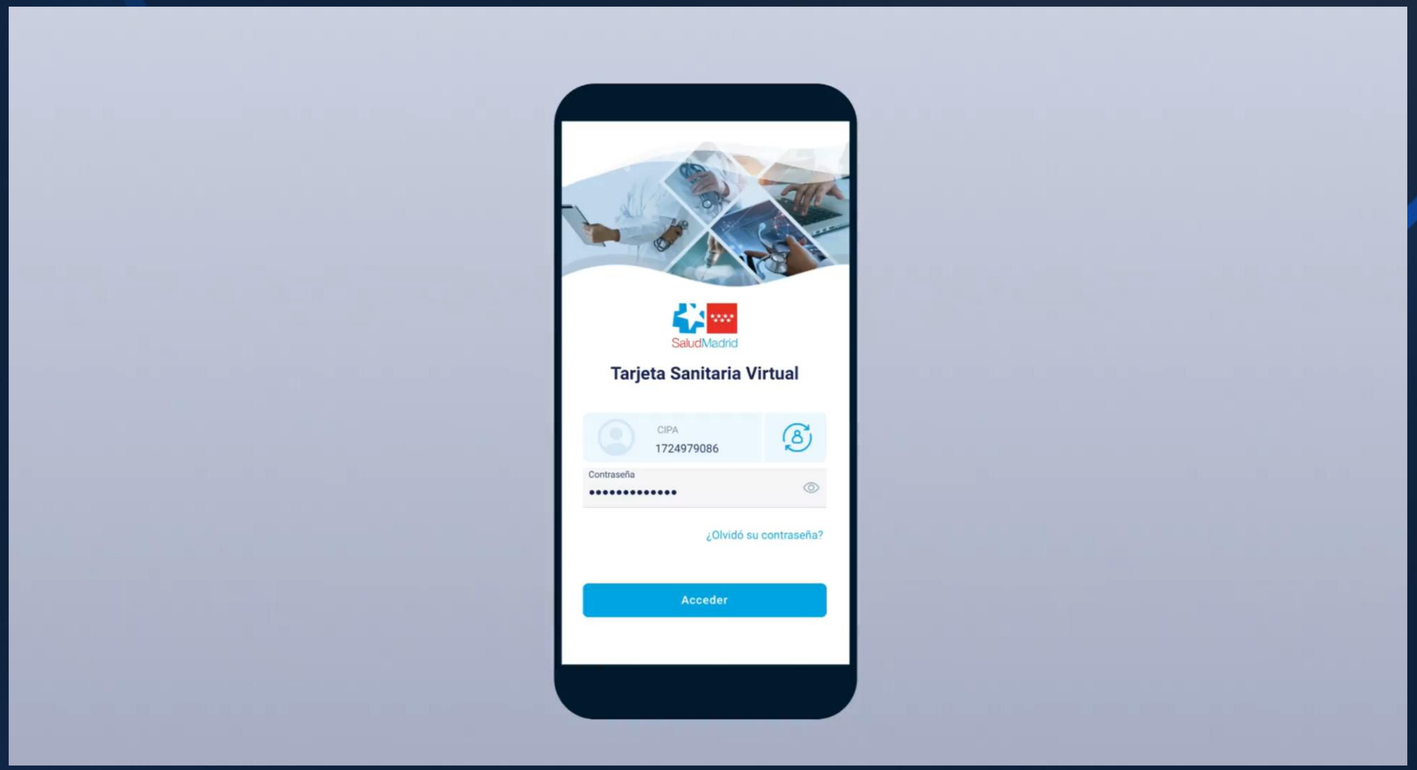
AUTHENTICATION AND FRAUD PREVENTION

Instant healthcare access without leaving the app

Access your healthcare services with automatic phone number authentication for a seamless and secure experience.

Comunidad de Madrid

MINSAIT



Number Verification API

OPEN GATEWAY GSMA CERTIFIED API

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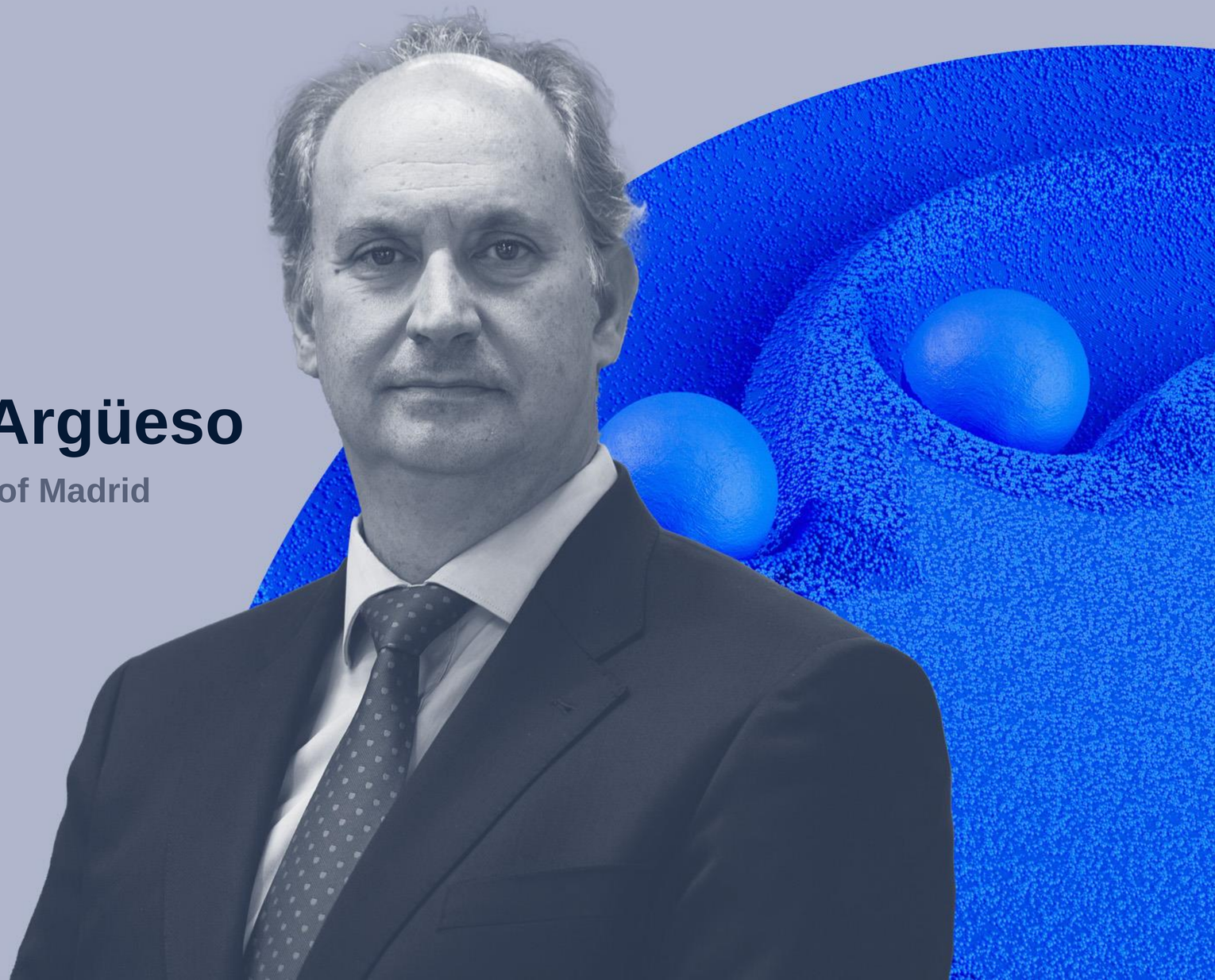
Miguel López-Valverde Argüeso

Regional Minister of Digitalization, **Community of Madrid**



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Community of Madrid virtual health card

Over

41M

accesses per year

Main features:

- Patient's clinical information
- Medication
- Video-consultations

Open Gateway improves the usability and accessibility of the application
(adapting it to all types of users, regardless of their level of technological adoption)

SMS

2FA via SMS

Transparent 2FA with Number Verification

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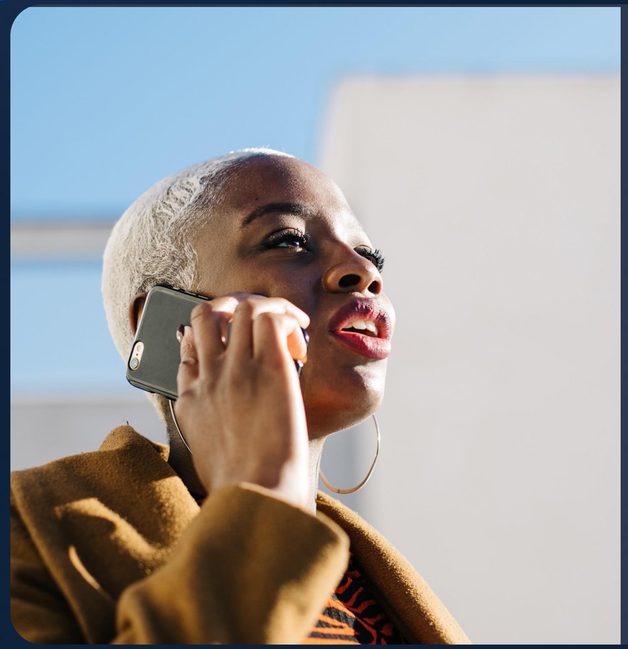
AUTHENTICATION AND FRAUD PREVENTION

Faster credit recovery with phone number validation

Real-time validation of the debtor's identity thanks to reliable data from the operator.

CUSTOMER

Millennium Cobranças Empresariais



Improved conversion rate and associated costs

- 50% lower cost of messaging services.
- 15% lower total telecommunications expenditure.
- Accuracy rate of almost 100%.

Know Your Customer Match API

OPEN GATEWAY · GSMA · CERTIFIED API

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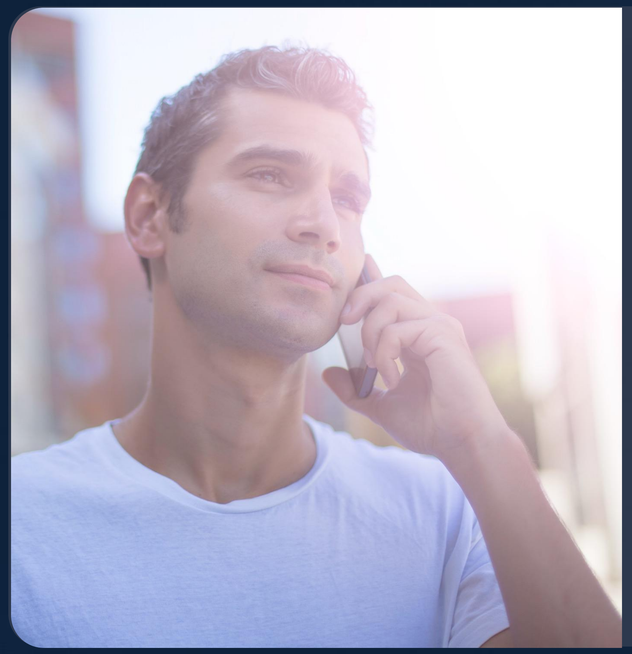
IDENTITY

Accuracy on every call

Streamlined and efficient debt renegotiation thanks to real-time identity verification.

CUSTOMER

CREDIATIVOS



Identify your users before making the call:

- Improved call accuracy and assertiveness.
- Higher recovery rate.
- Better user experience.

Know Your Customer Match API

OPEN GATEWAY · GSMA · CERTIFIED API

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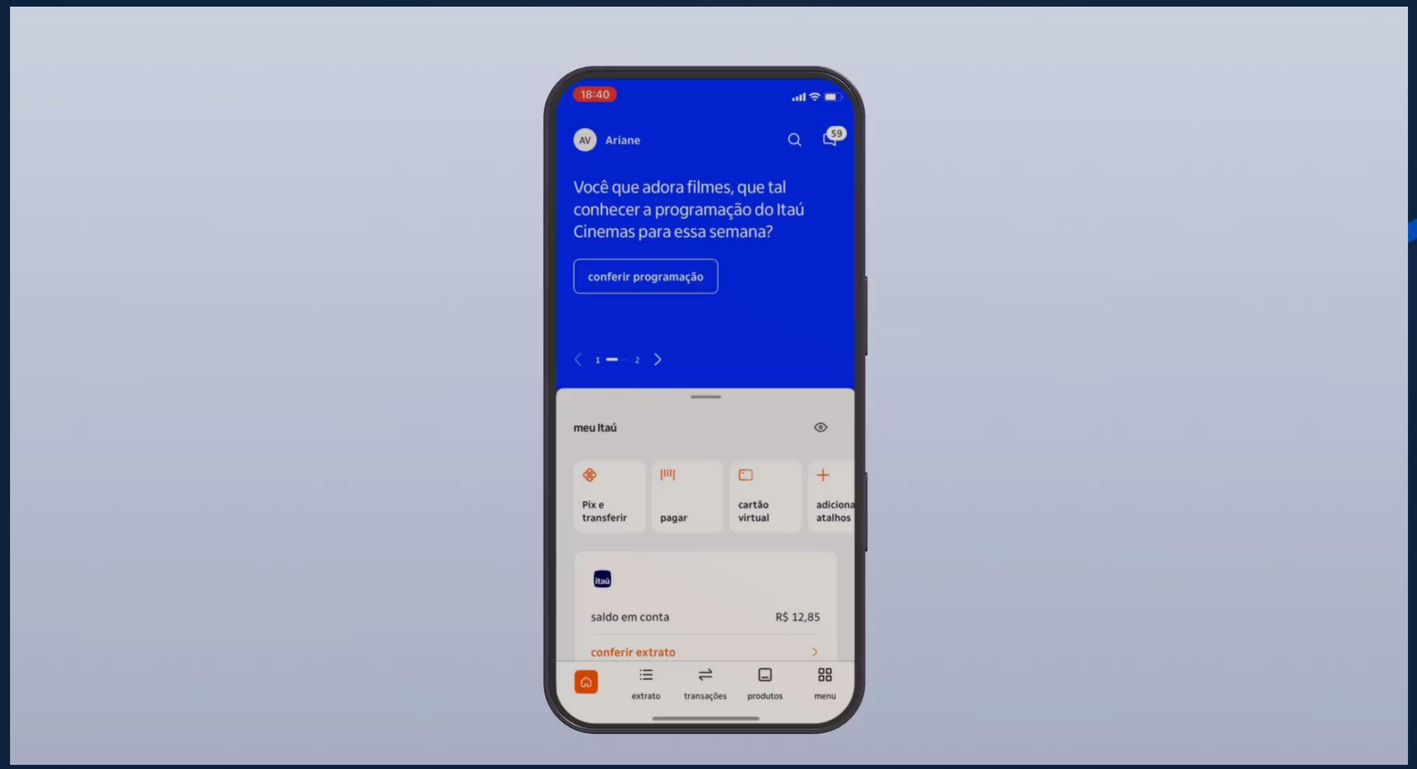
AUTHENTICATION AND FRAUD PREVENTION

Antifraud solutions for secure and efficient transactions

Identity theft and synthetic fraud prevention with real-time contact validation. Seamless protection for a safer banking experience.

CUSTOMER

itaú



SIM Swap API

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AUTHENTICATION AND FRAUD PREVENTION

More secure on-boarding processes

Automatic authentication of user data in the registration process, eliminating the need for manual validation or SMS codes.

CUSTOMER

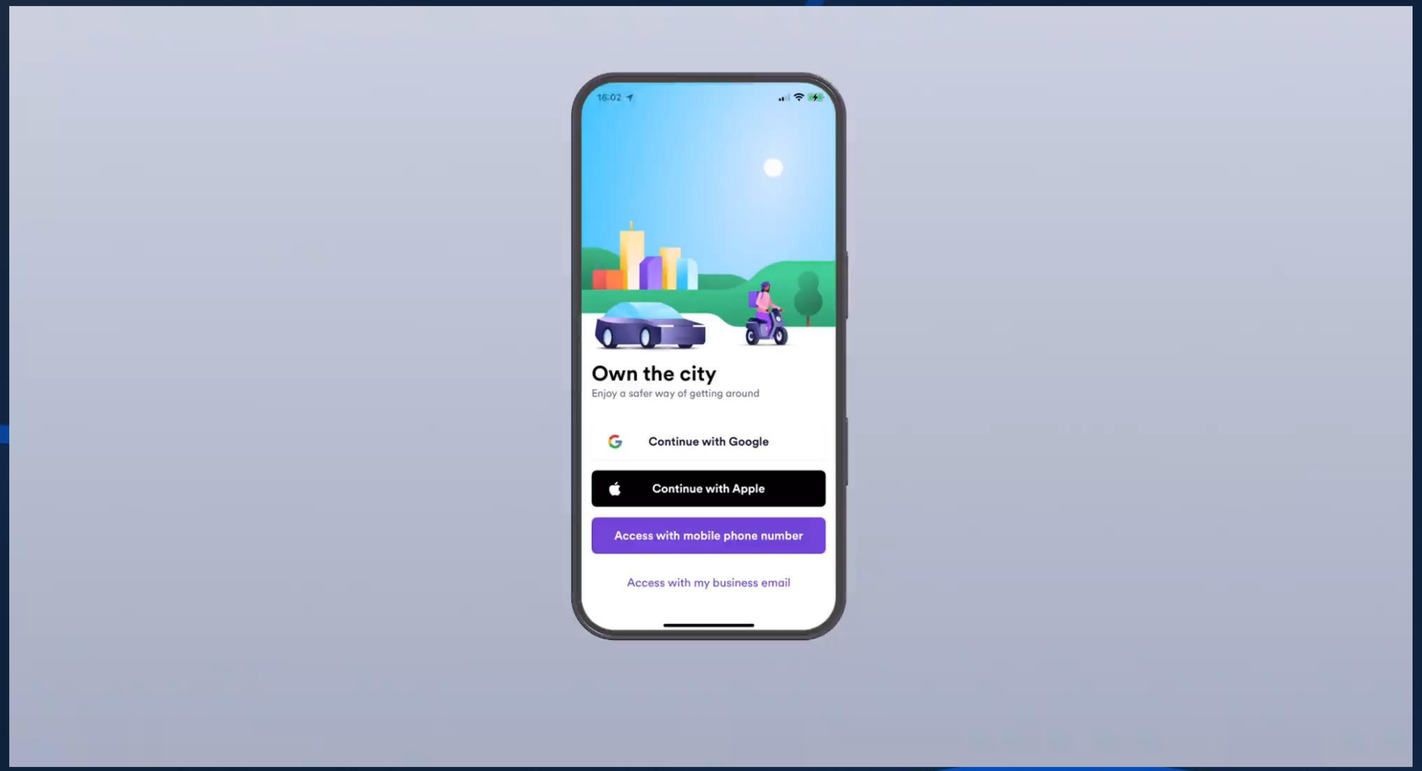
cabify

CHANNEL PARTNERS

POWERED BY VONAGE

CSPs

Telefónica vodafone

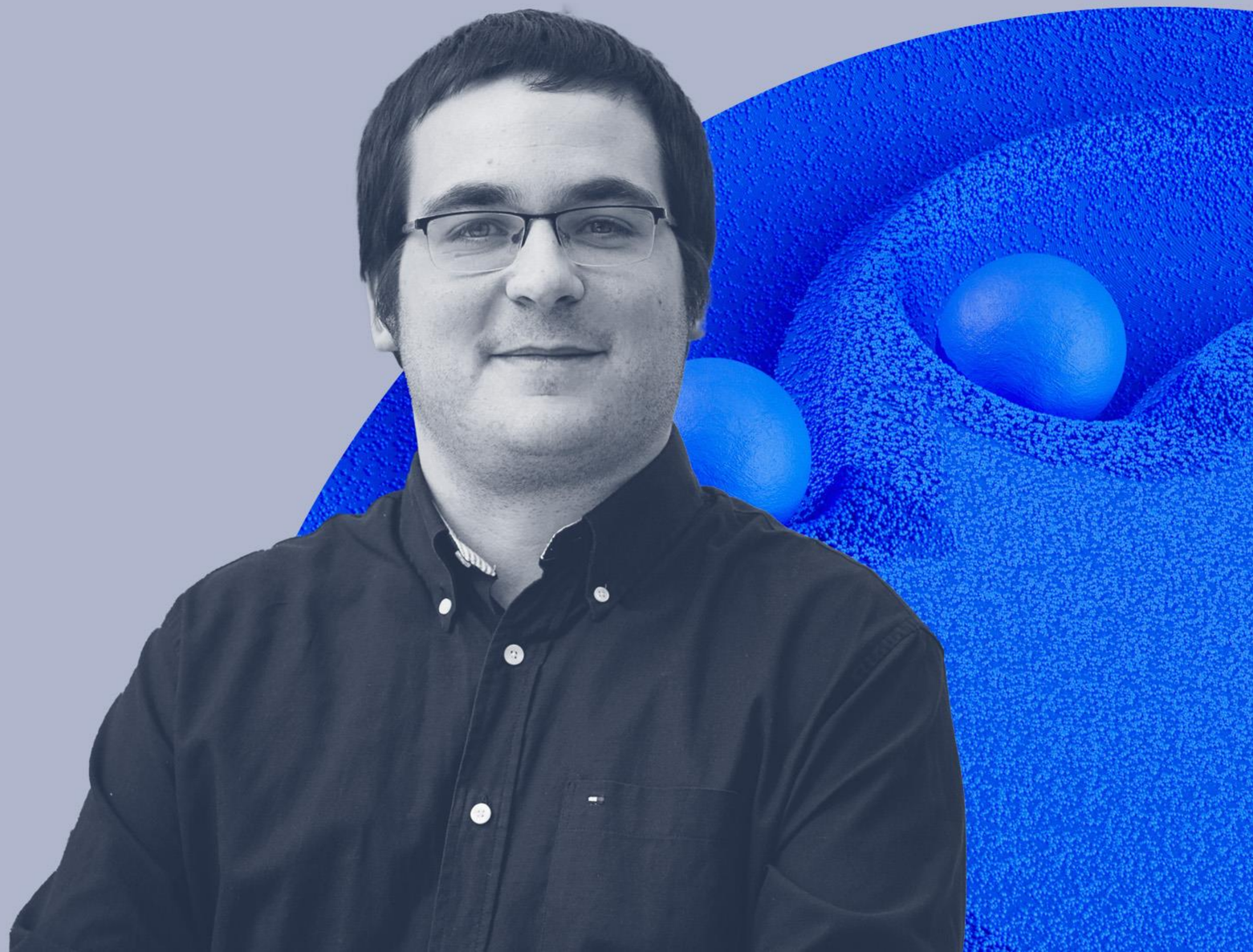


Number Verification API

OPEN GATEWAY GSMA CERTIFIED API

Carlos Herrera

CTO **Cabify**



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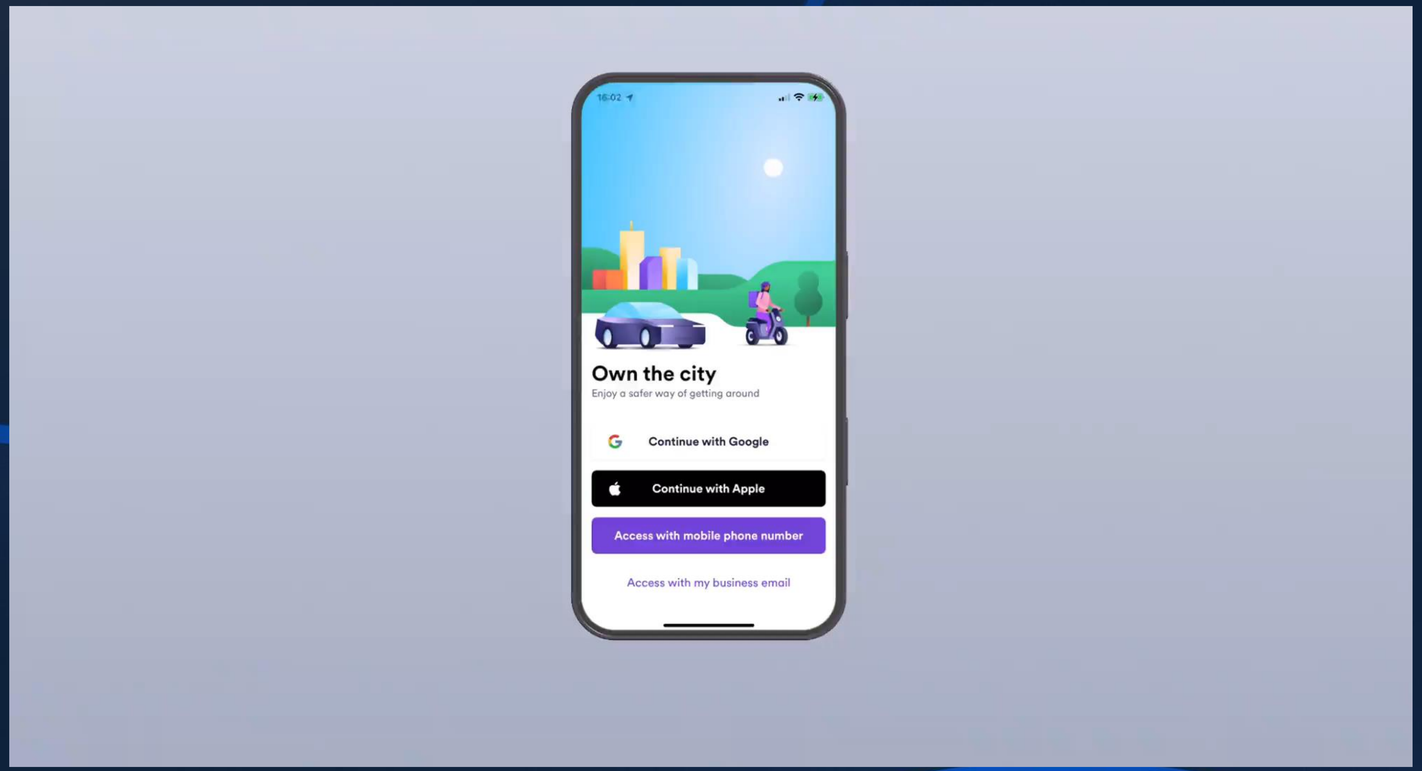

Number Verification API

OPEN GATEWAY GSMA CERTIFIED API

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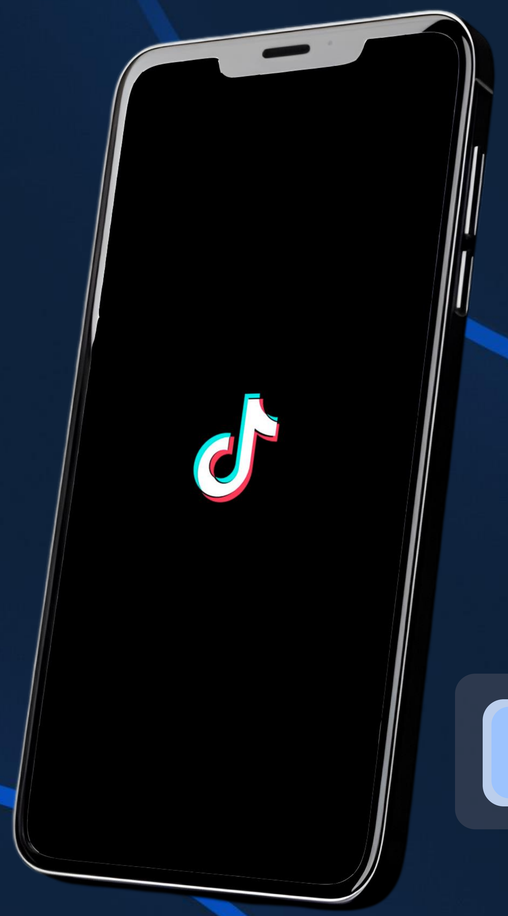
AUTHENTICATION AND FRAUD PREVENTION

Secure access made easy

Automatic phone number verification, using real-time operator data. Secure, seamless, and effortless logins.

PARTNER

TikTok



Number Verification API

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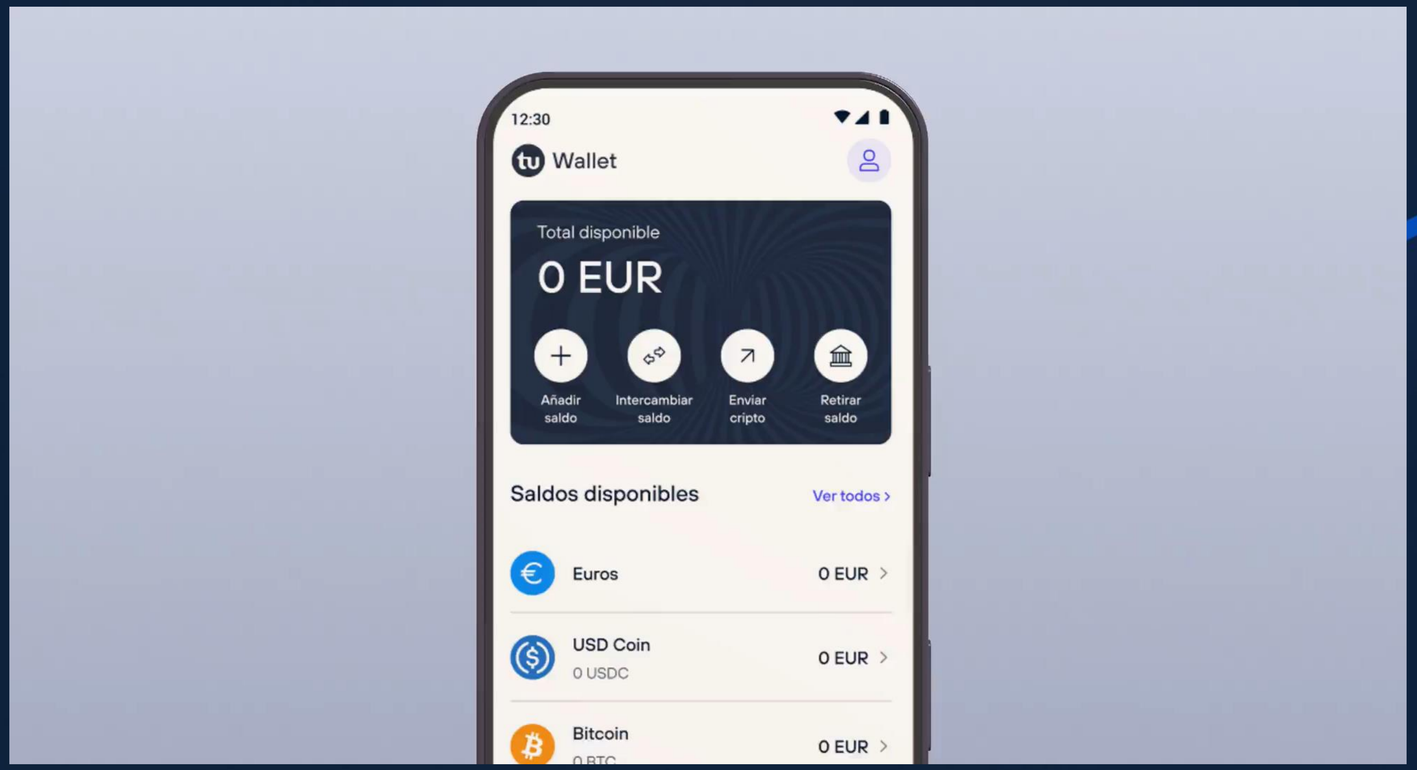
AUTHENTICATION AND FRAUD PREVENTION

Advance security for crypto operations

Intelligent detection of suspicious SIM changes and real-time verification to enhance the protection of transactions.

Glide identity

Wallet



Number Verification API

SIM Swap API

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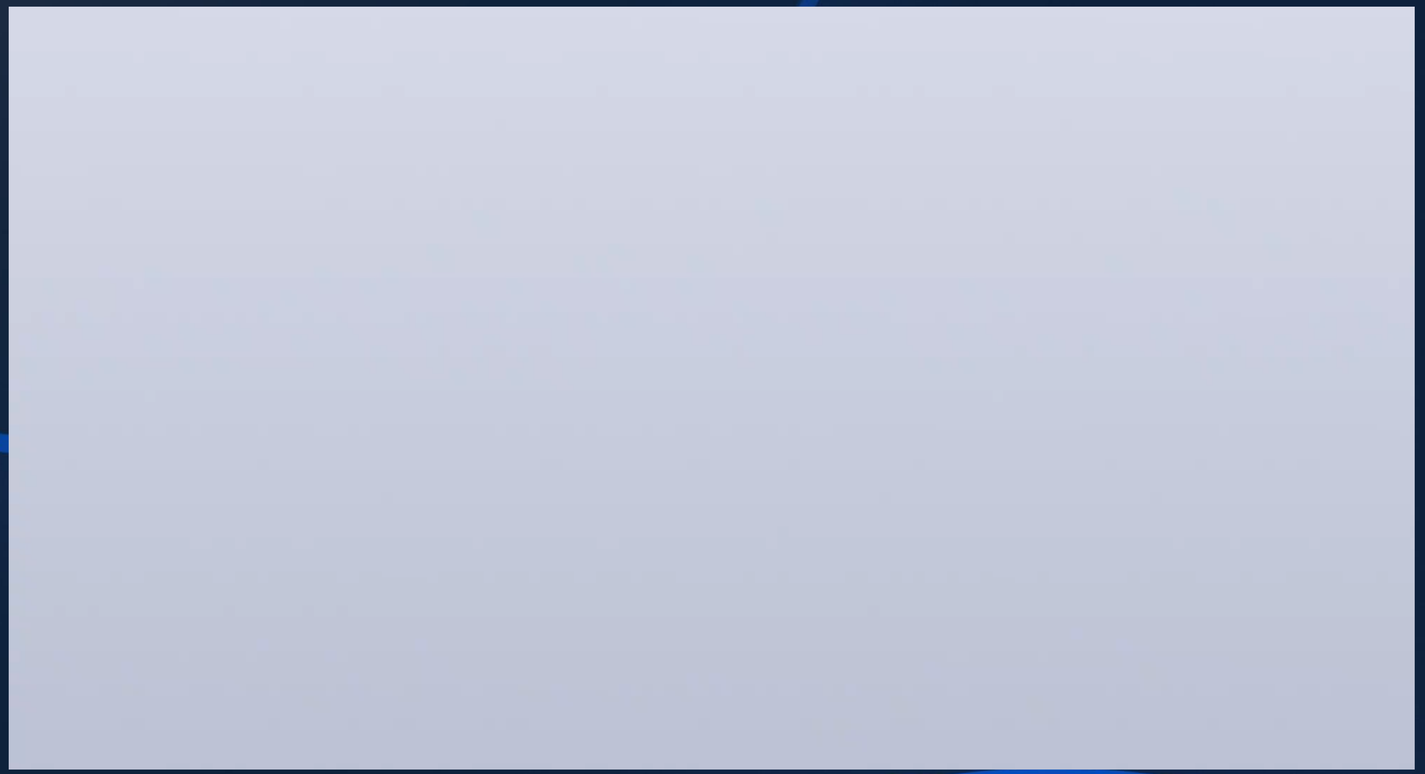
LOCATION SERVICES

Strongest authorization control platform with location

Raising protection of critical operations with advance security configuration.

tu Latch



Location Verification API

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COMMUNICATION QUALITY

LOCATION SERVICES

Cutting-edge drone systems

Automated planning and optimised connectivity for drone fleet operations.

NOKIA AirborneRF

Quality on Demand API

Population Density Data API

OPEN GATEWAY GSMA CERTIFIED API

Dynamic Airspace Connectivity Data API

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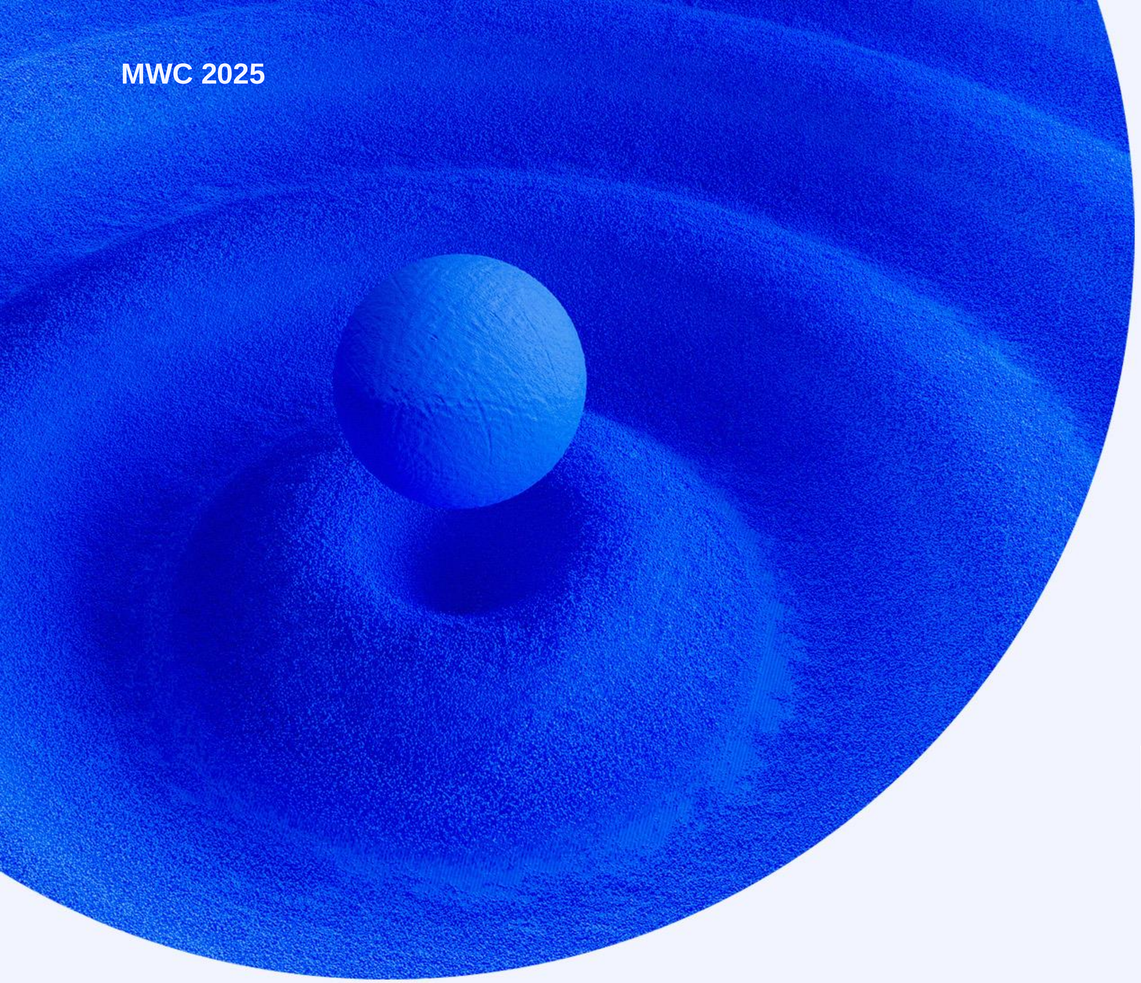

Innovation never stops,
pushing boundaries as a startup

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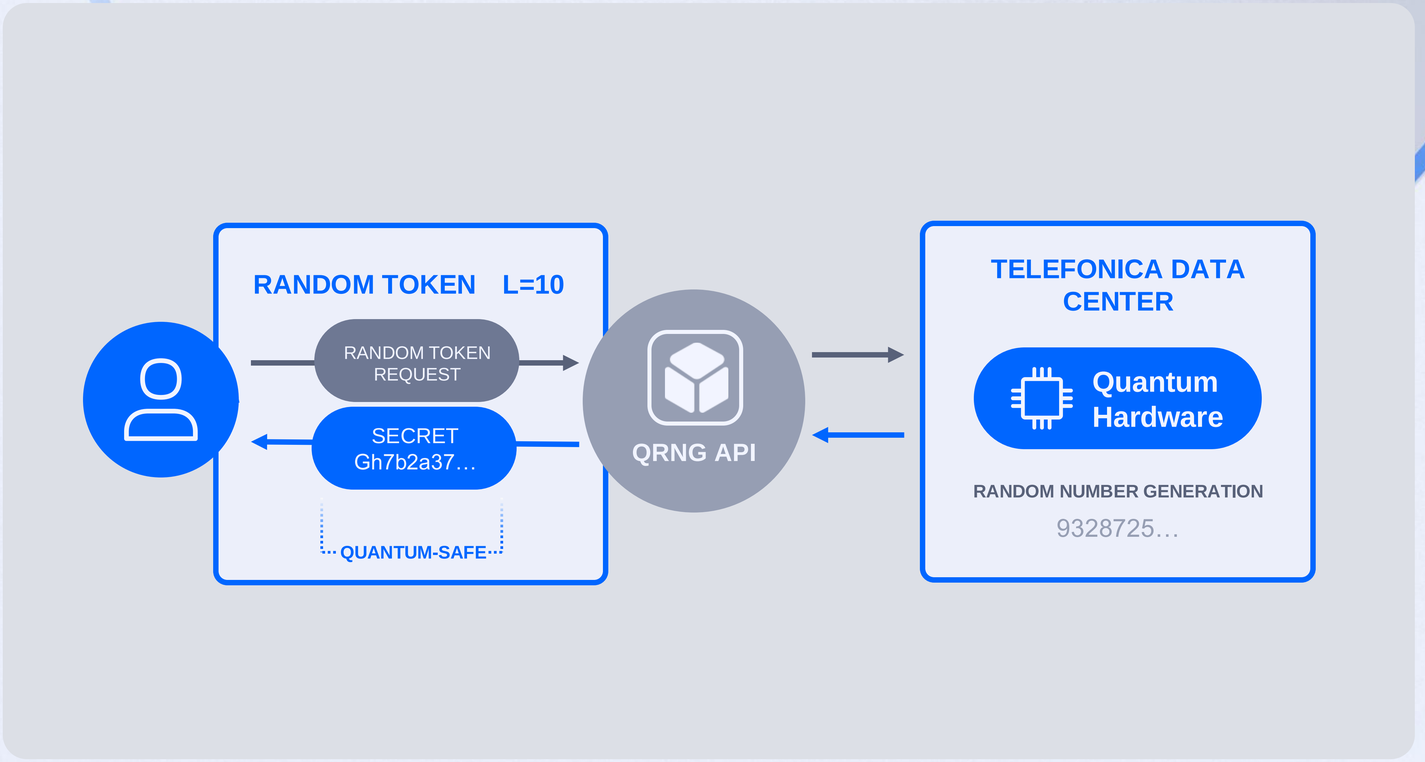
PRIVACY & SECURITY

New capabilities for new services: the strongest randomness foundation

Quantum-random number generation to strong security's services via API.



Quantum-random Number API

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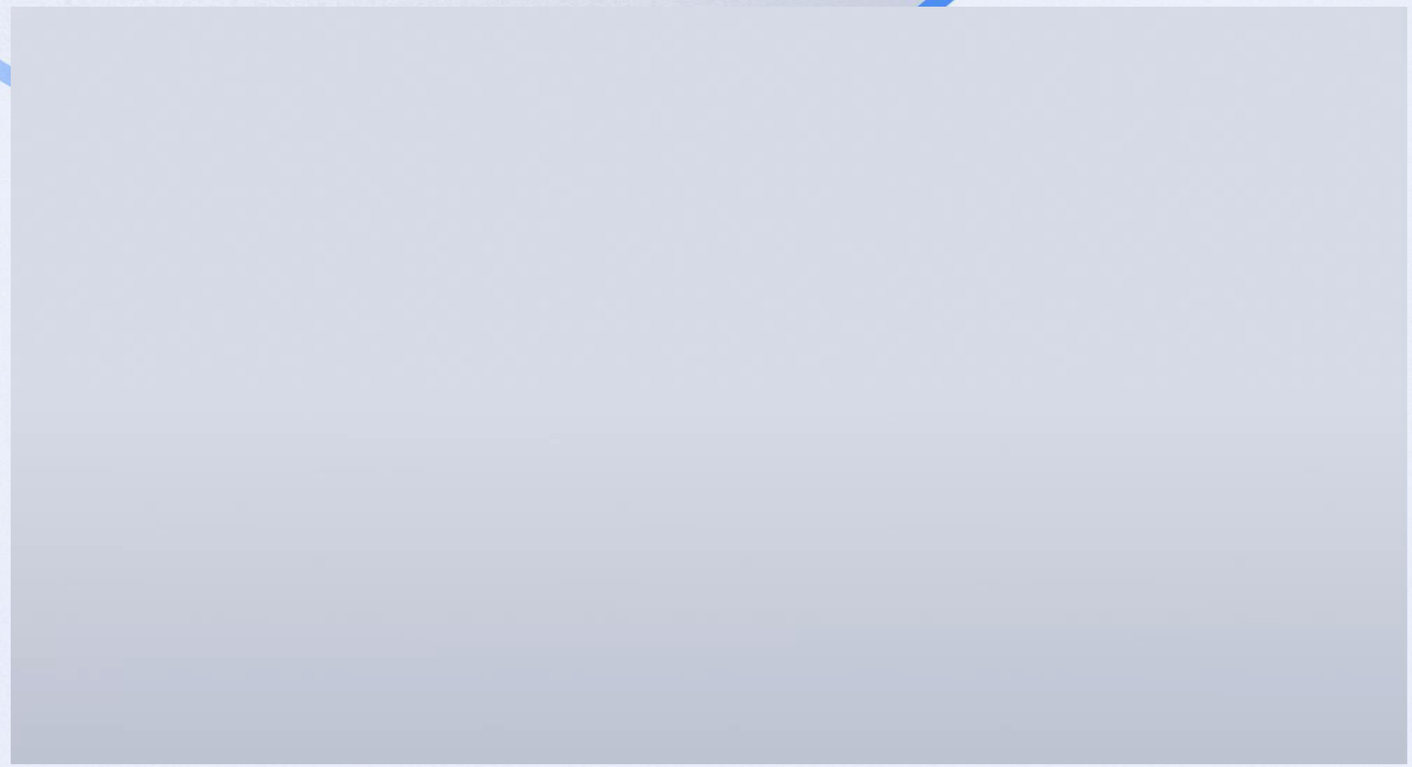
PRIVACY & SECURITY

Future-proof security: an extra protection layer for the quantum era

Activation of new post-quantum encryption mechanisms in our services via APIs for critical industries.

Quantum Encryption HALOTECH®



Quantum Encryption API

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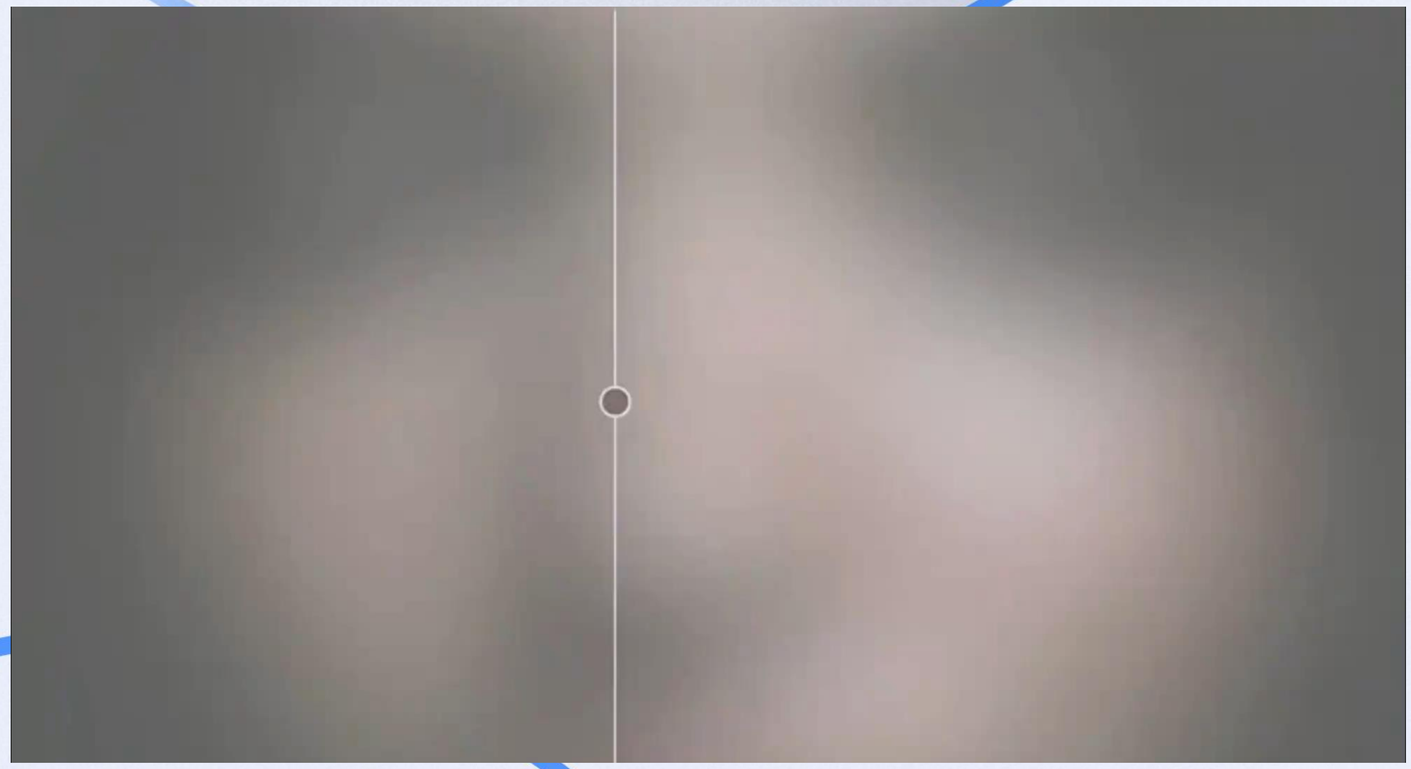
AUTHENTICATION AND FRAUD PREVENTION

Deepfake detection in identity onboarding processes (KYC)

Advanced protection for businesses and users through a simple integration's API.

VerifAI



VerifAI API

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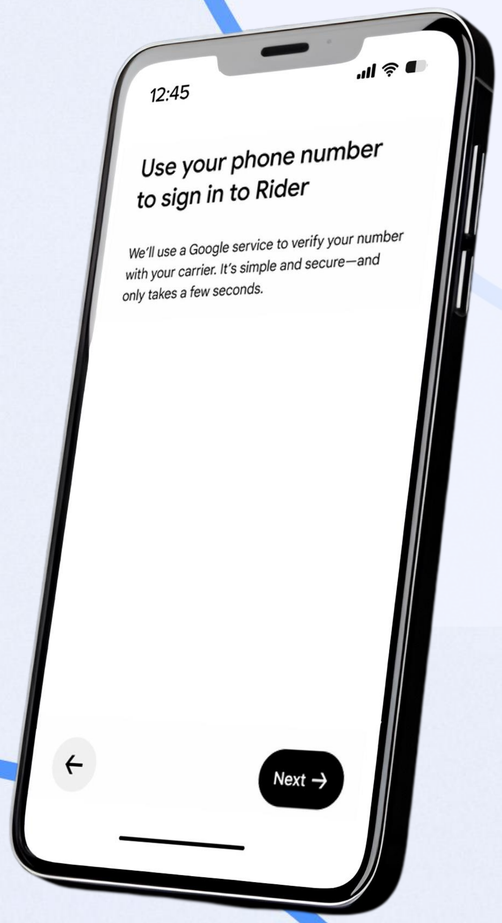
AUTHENTICATION AND FRAUD PREVENTION

Seamless phone number verification

Identity verified instantly and securely, even on Wi-Fi or VPN, and enabled though Google Firebase to millions of developers.

Google Cloud Firebase



Operator Temporary Token is an encrypted, non-persistent and anonymous identifier that allows a third-party app to authenticate a device.

- Seamless secure authentication without one-time-passwords
- SIM based identifier simple and easy to integrate
- Valid for Wi-Fi, VPNs connections or roaming

Number Verification API

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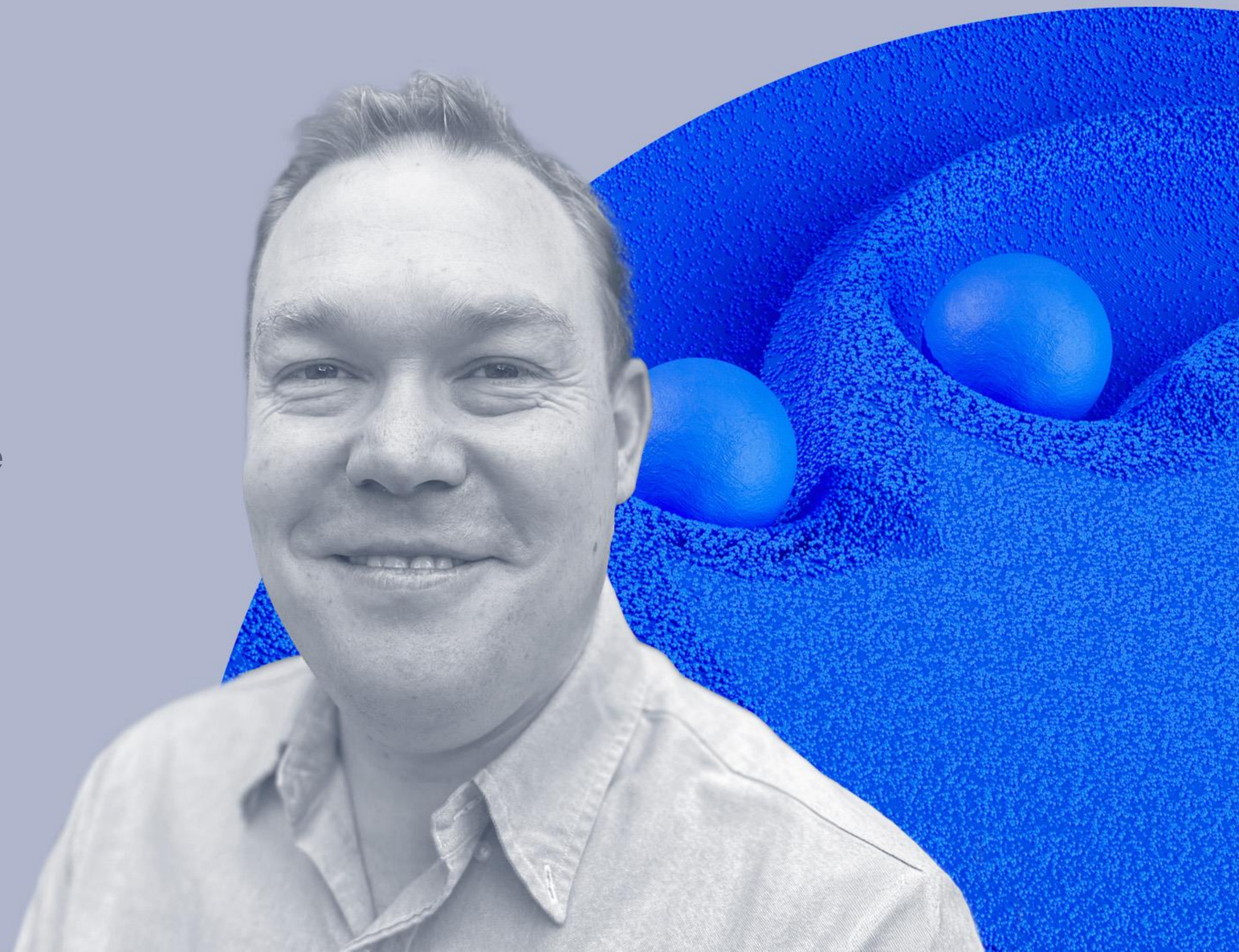
Christiaan Brand

Product Manager Identity and Security, **Google**



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Phone Number Verification is critically important

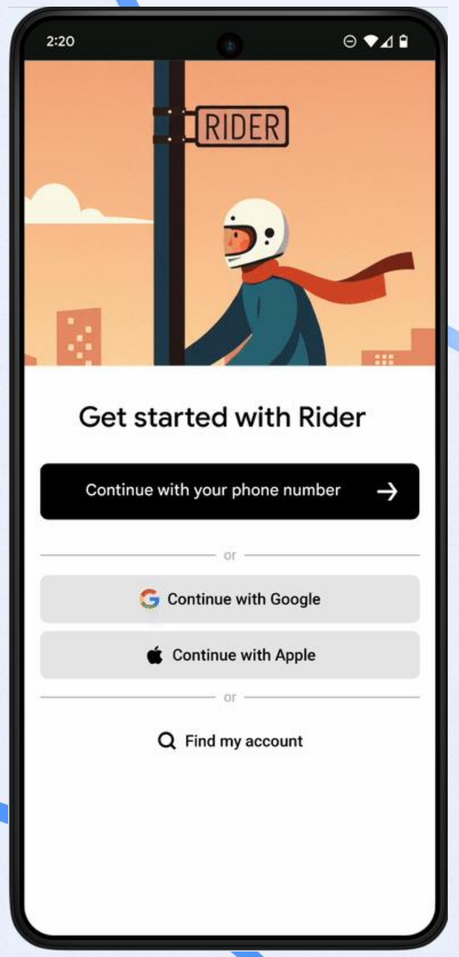
We need to improve upon legacy verification

1. Better user experience
2. Higher security
3. Less fraud

Firebase

- Google-owned platform that helps **~3M developers** build, run, and scale apps for mobile and web.
- We provide a **path-to-market for carriers** by building on the GSMA *Open Gateway Initiative.*
- We aim to create a new revenue stream for participating carriers by making **verified phone numbers** available to our developers as a Firebase API.

Firebase **PHONE NUMBER VERIFICATION**



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LOCATION SERVICES

COMMUNICATION QUALITY

New opportunities for innovation

Enabling the development of new solutions through a multi-telco innovation laboratory.

A first use case to ensure protection against restraining orders.

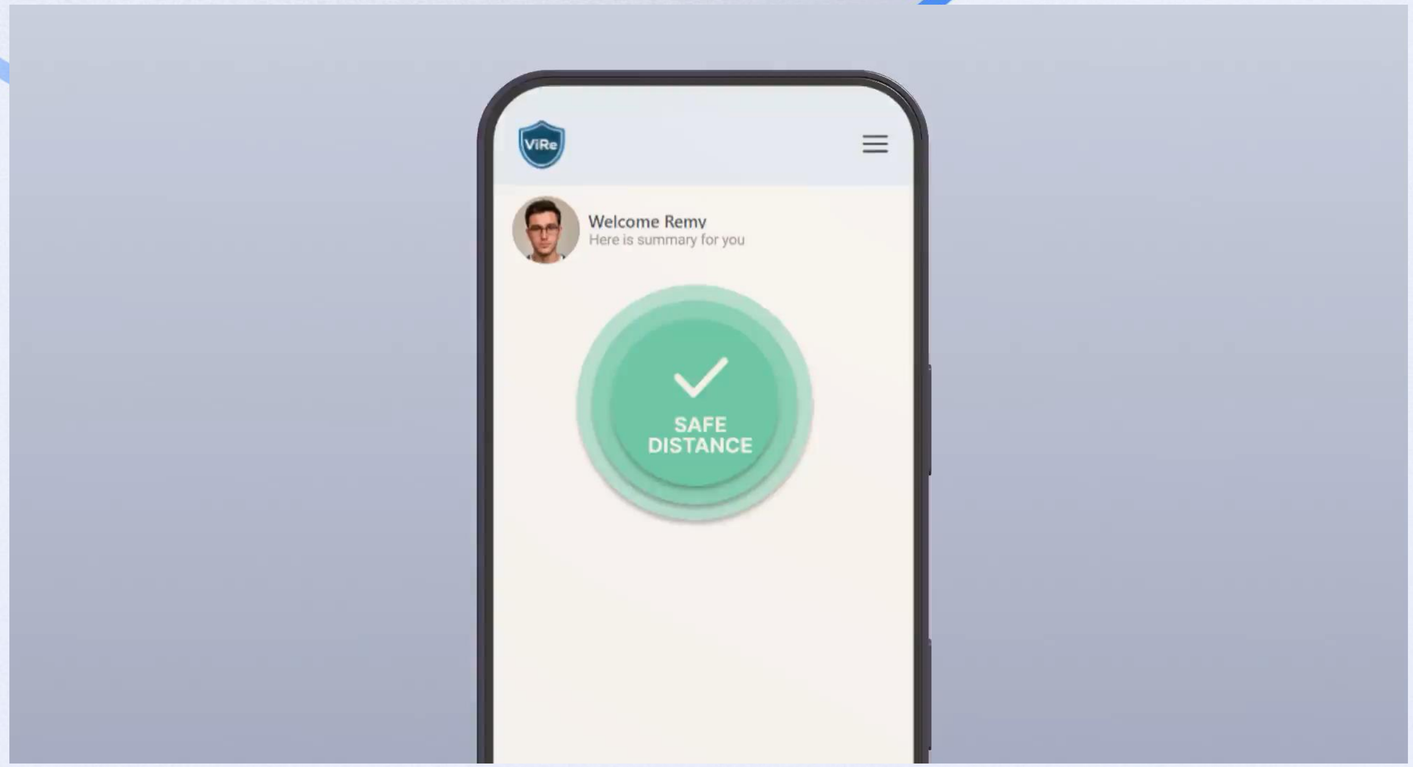
STRATEGIC PARTNER

i2cat

CSPs

Telefónica

vodafone



Location Verification API

Quality on Demand API

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APIfication

Simplifying services, accelerating innovation.

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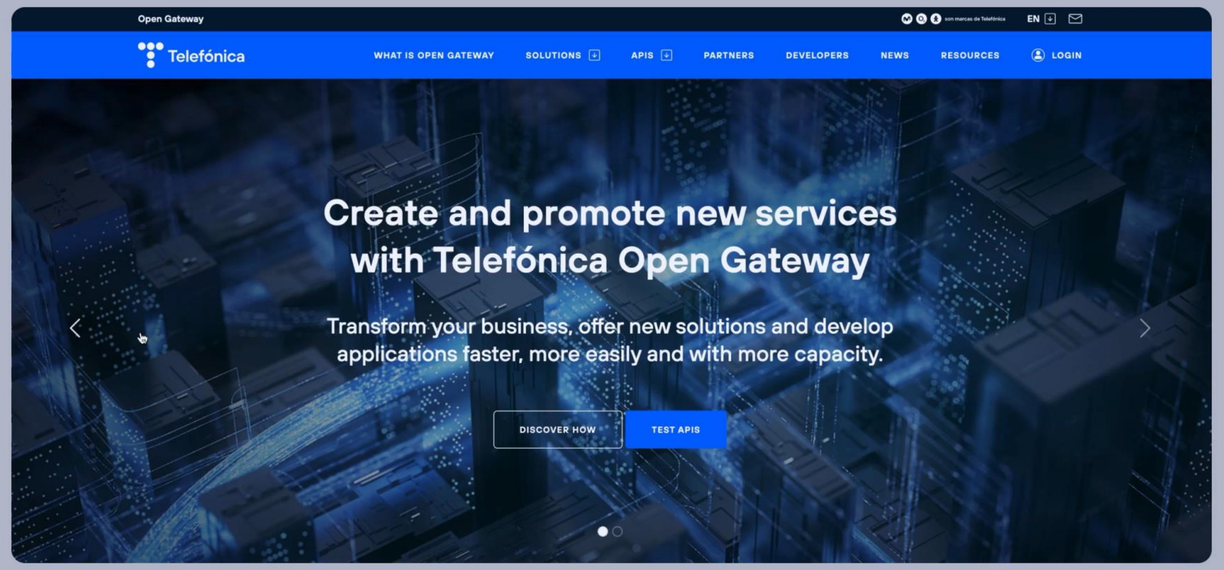
Telefónica Open Gateway

Browse our API ecosystem



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Partner Program & Developer Hub

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GSMA
Open Gateway

DevCon

New Stand

Open Gateway Zone

Telefónica

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Open Gateway 4startups

4YFN wayra Telefónica

Santander X Global Challenge

In collaboration with OXENTIA

Discover more at 4YFN

Telefónica

"Together, we create solutions that transform industries and connect the world”

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Leading Change
Inspiring Progress

Telefónica

Discover more in our demo zone

Hall 3 Stand **3k31**