

MWC 2025

Leading Change  
Inspiring Progress



# Open collaboration to innovate



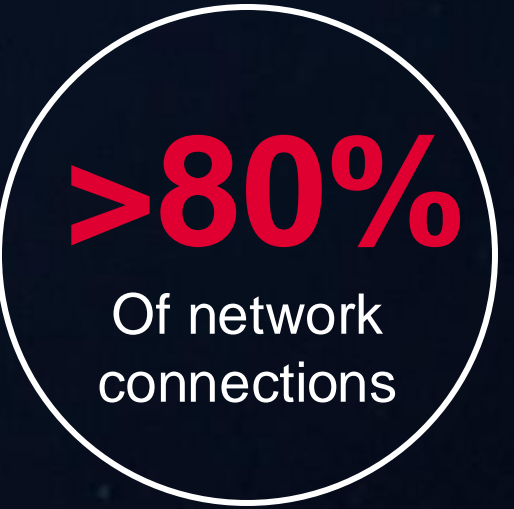




**GSMA**  
**Open Gateway**  
An industry **(r)**evolution



# GSMA Open Gateway in the world



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

BYON : Bring Your Own Number  
QoD : Quality on Demand  
RACM : Registration and Connectivity Management



 Telefónica Open Gateway

# Say hello to Open Gateway in UK

 vodafone

 BT

 EE

 Virgin media  O<sub>2</sub>

 3



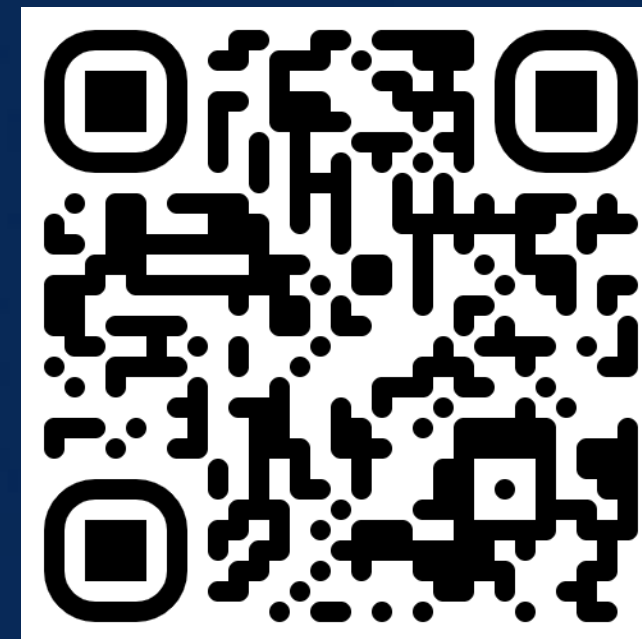
# Open Gateway digital services

JOIN US & ENROLL IN OUR

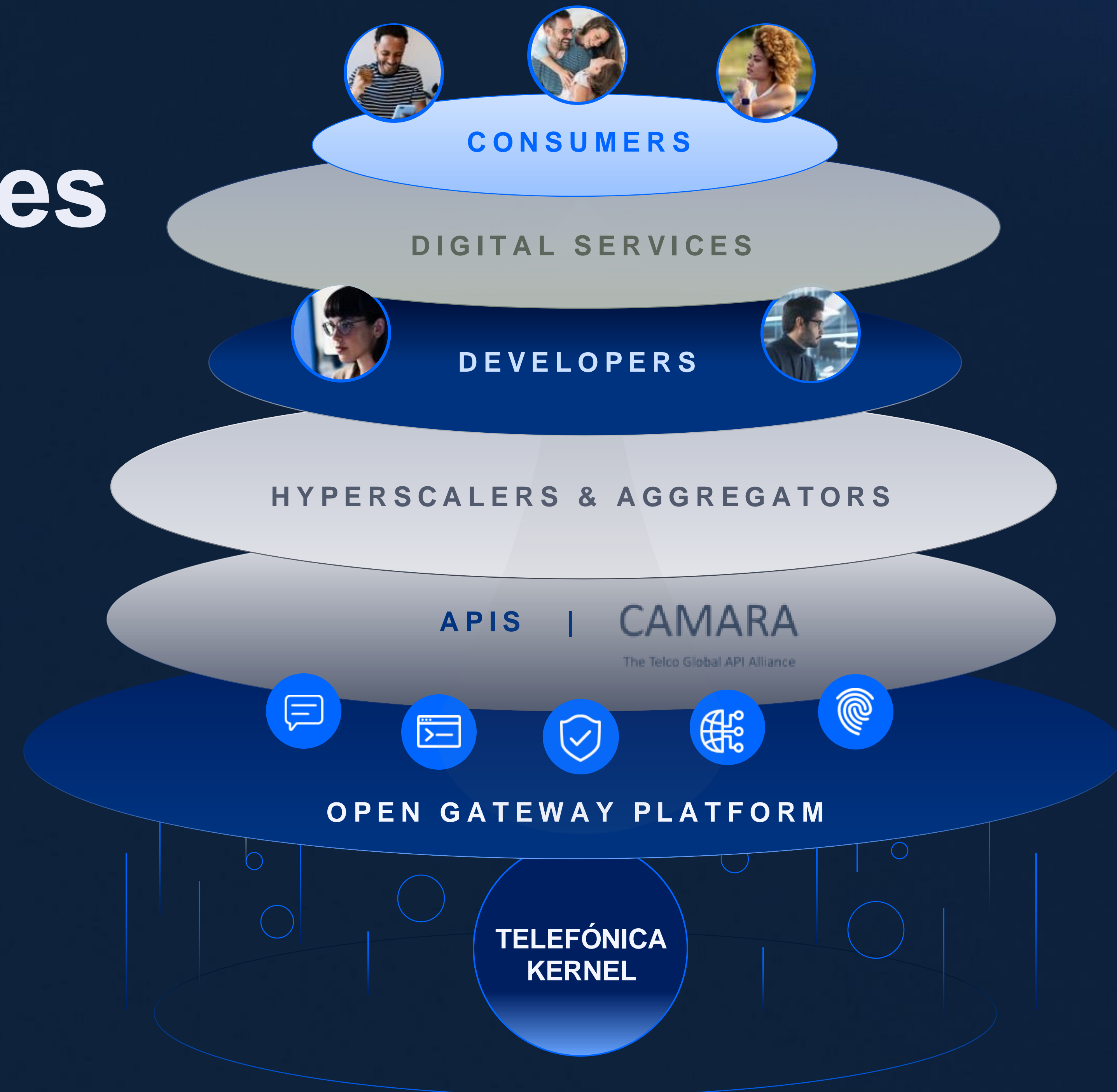
Developer Hub



Partner Program



[opengateway.telefonica.com](https://opengateway.telefonica.com)



**Network** as a key platform to digital ecosystem



# Open Gateway digital services

JOIN US & ENROLL IN OUR

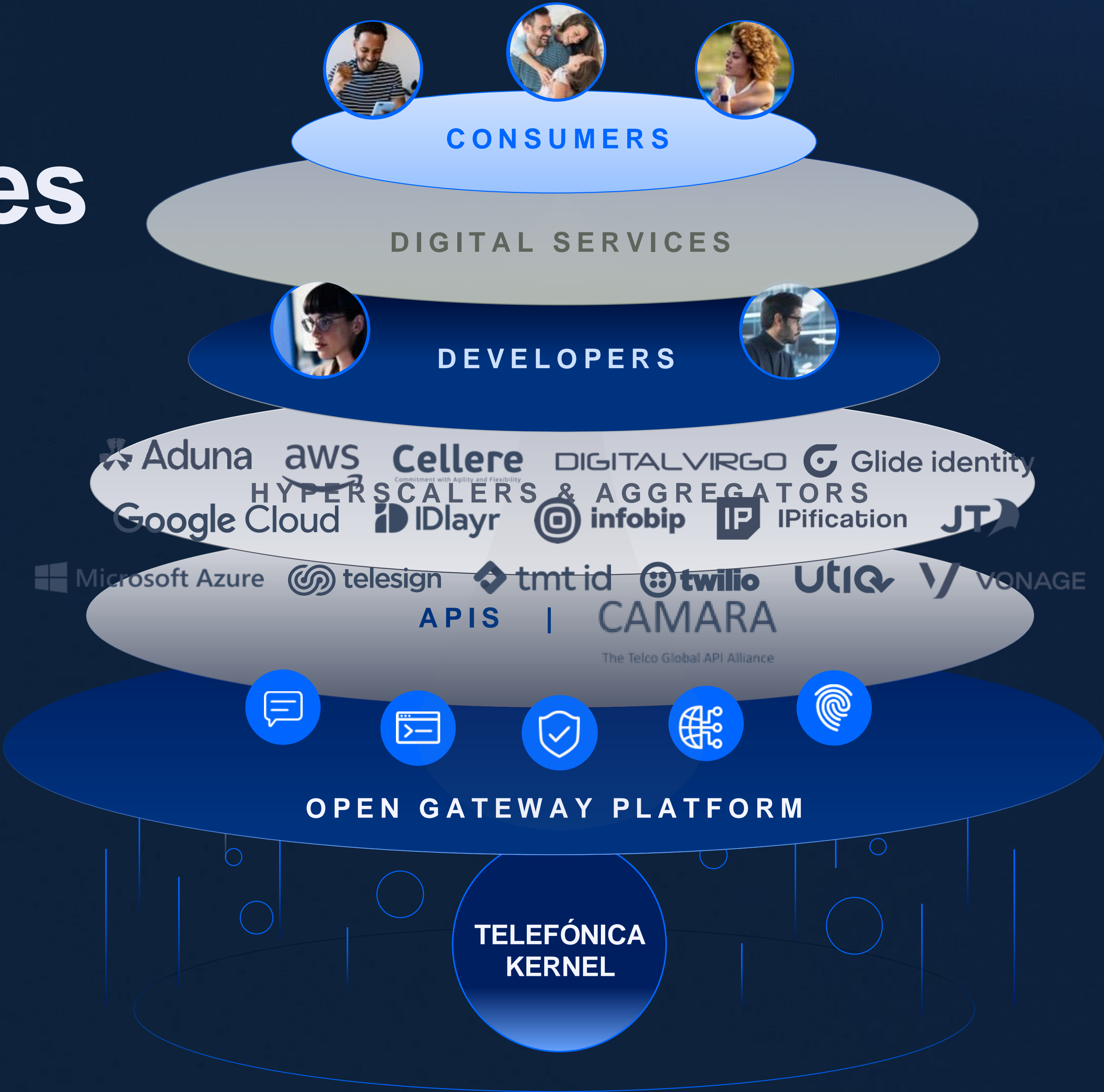
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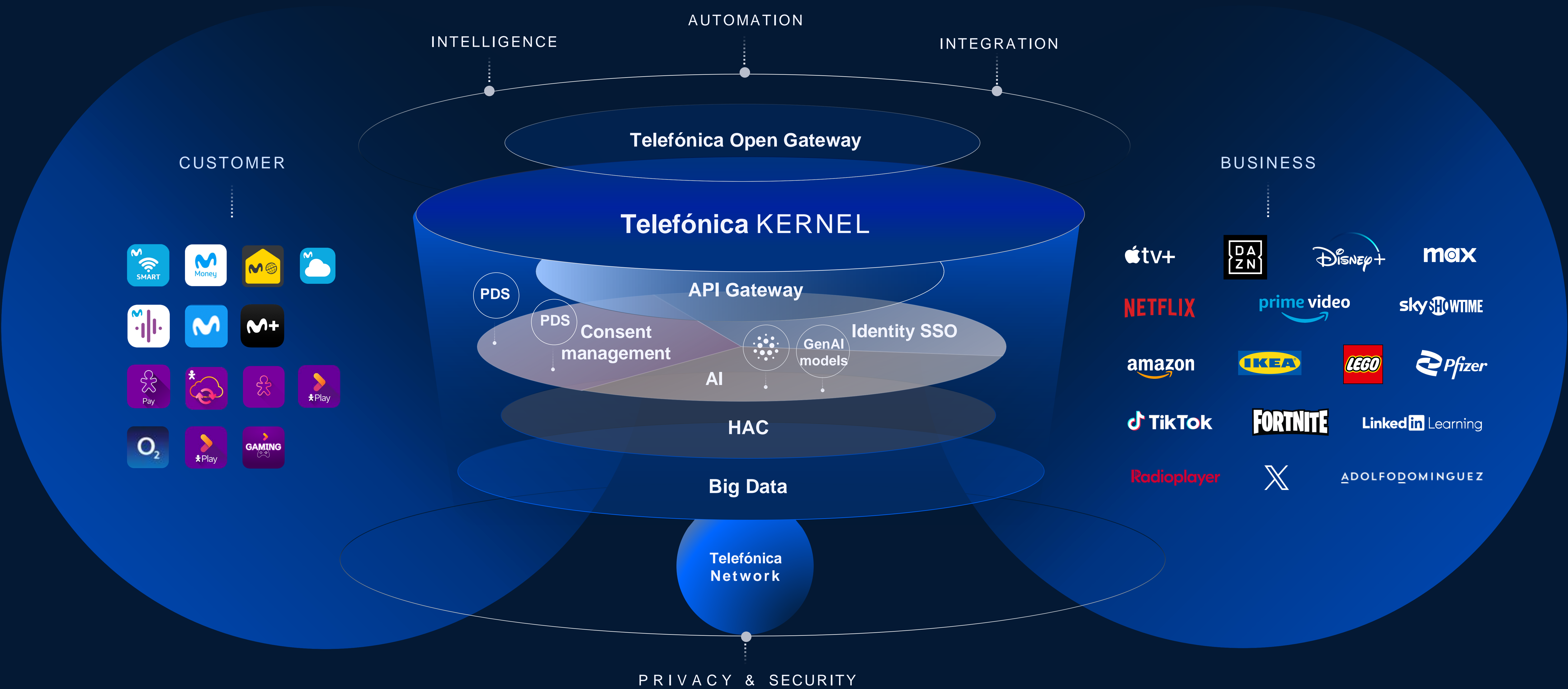
[opengateway.telefonica.com](https://opengateway.telefonica.com)



Network as a key platform to digital ecosystem



# The platform for new intelligent Digital Services: Kernel 2.0









VIDEO

M+ \*Play O<sub>2</sub>TV M<sub>TV</sub>

Accesses

10M

APPS

M \* O<sub>2</sub> B

Active users

43M

AURA

Active users

11M

HAC

Home Advanced Connectivity

Connected devices

12M

SMART WIFI

SMART

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

tu Wallet tu Quantum Encryption

tu VerifAI tu Latch M Movistar Home Connect





# 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.



ERICSSON



orange™



NTT docomo

enstream



verizon✓





Telefónica K E R N E L



# 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





# 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

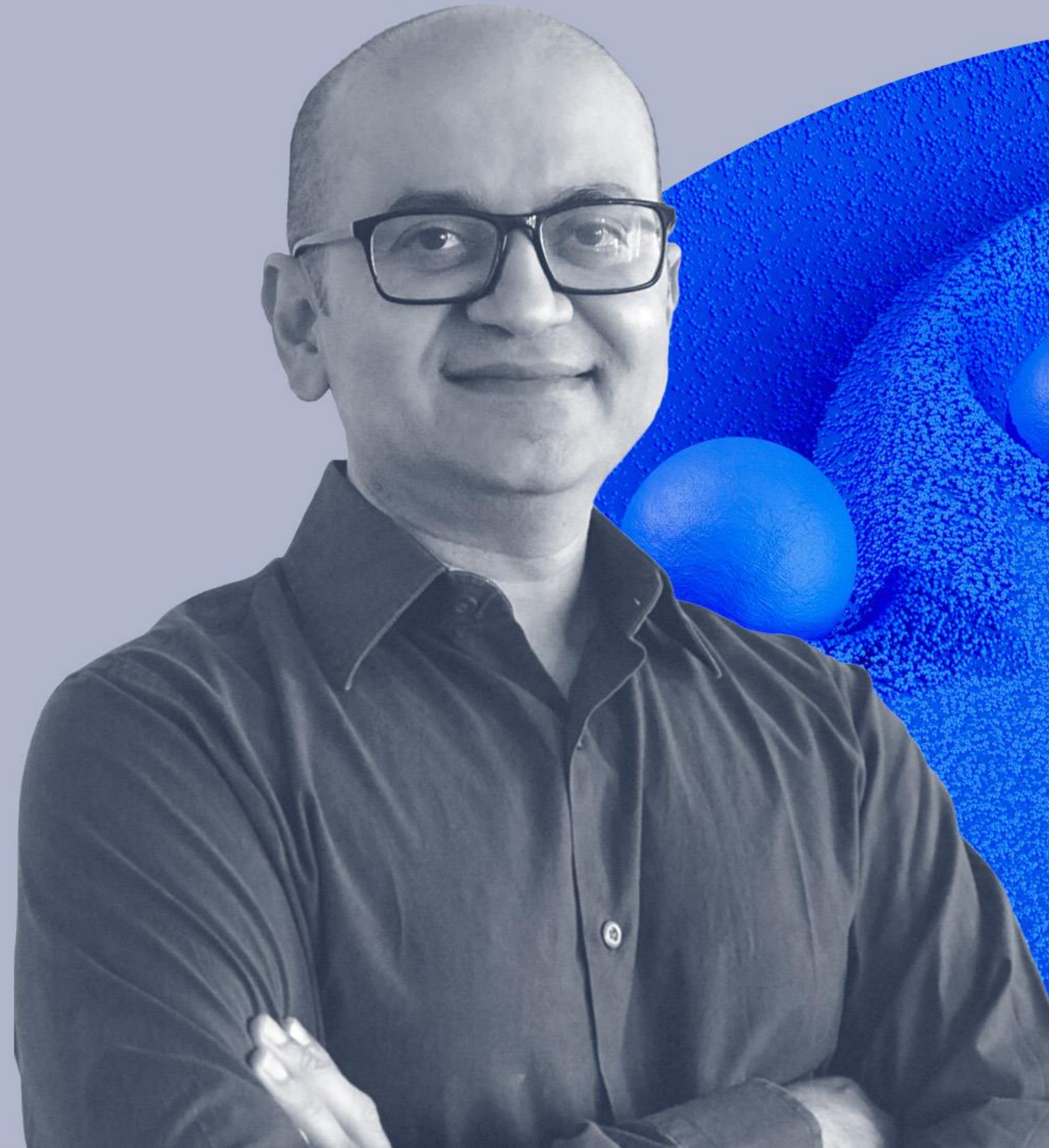


# Digital Innovation Center



# Ishwar Parulkar

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







# An Open Gateway accelerator for telcos powered by AWS



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



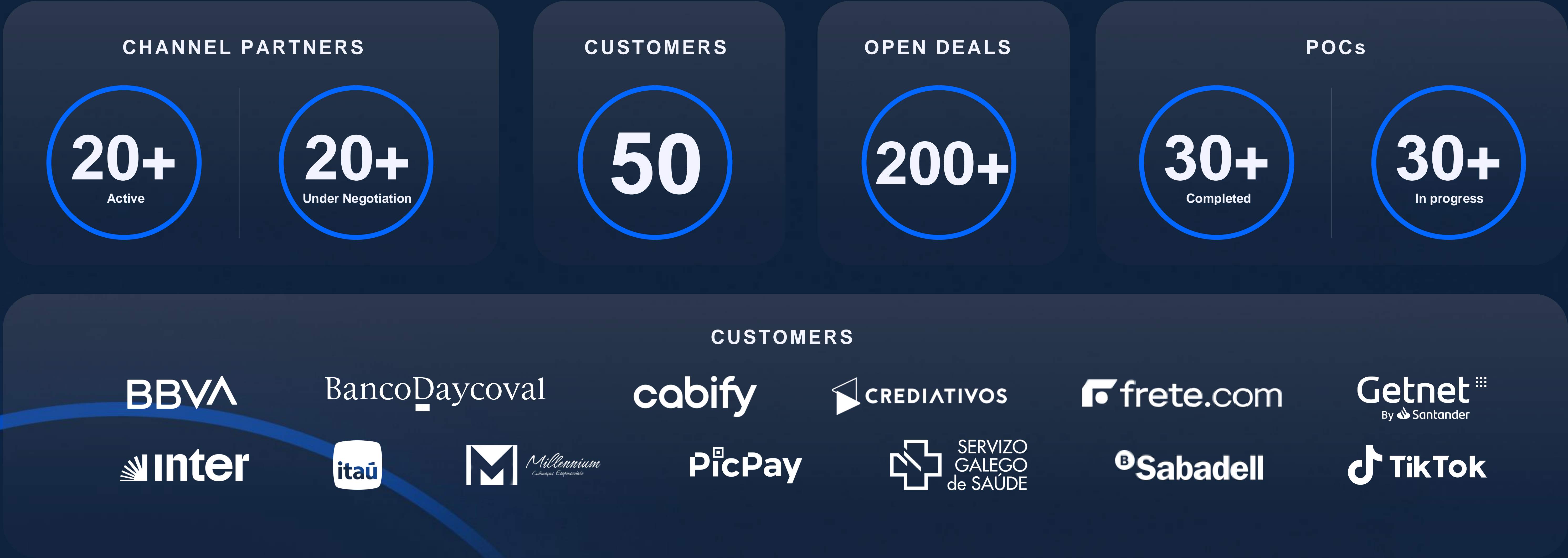
**AI-powered data analysis**  
merging mobility telco data and  
cloud infrastructure



**Democratizing Technology**  
to deliver 'plug and play' cloud solution  
for telcos



# Disrupting the industry with startup mindset





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






CHANNEL PARTNERS



CSPs



Increased security by identifying suspicious changes and SIM cloning:

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





AUTHENTICATION AND FRAUD PREVENTION

# Secure banking through operator data

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




CUSTOMER



CHANNEL PARTNERS



Enhanced security with operator-driven SIM swap monitoring:

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





AUTHENTICATION AND FRAUD PREVENTION

# Instant healthcare access without leaving the app

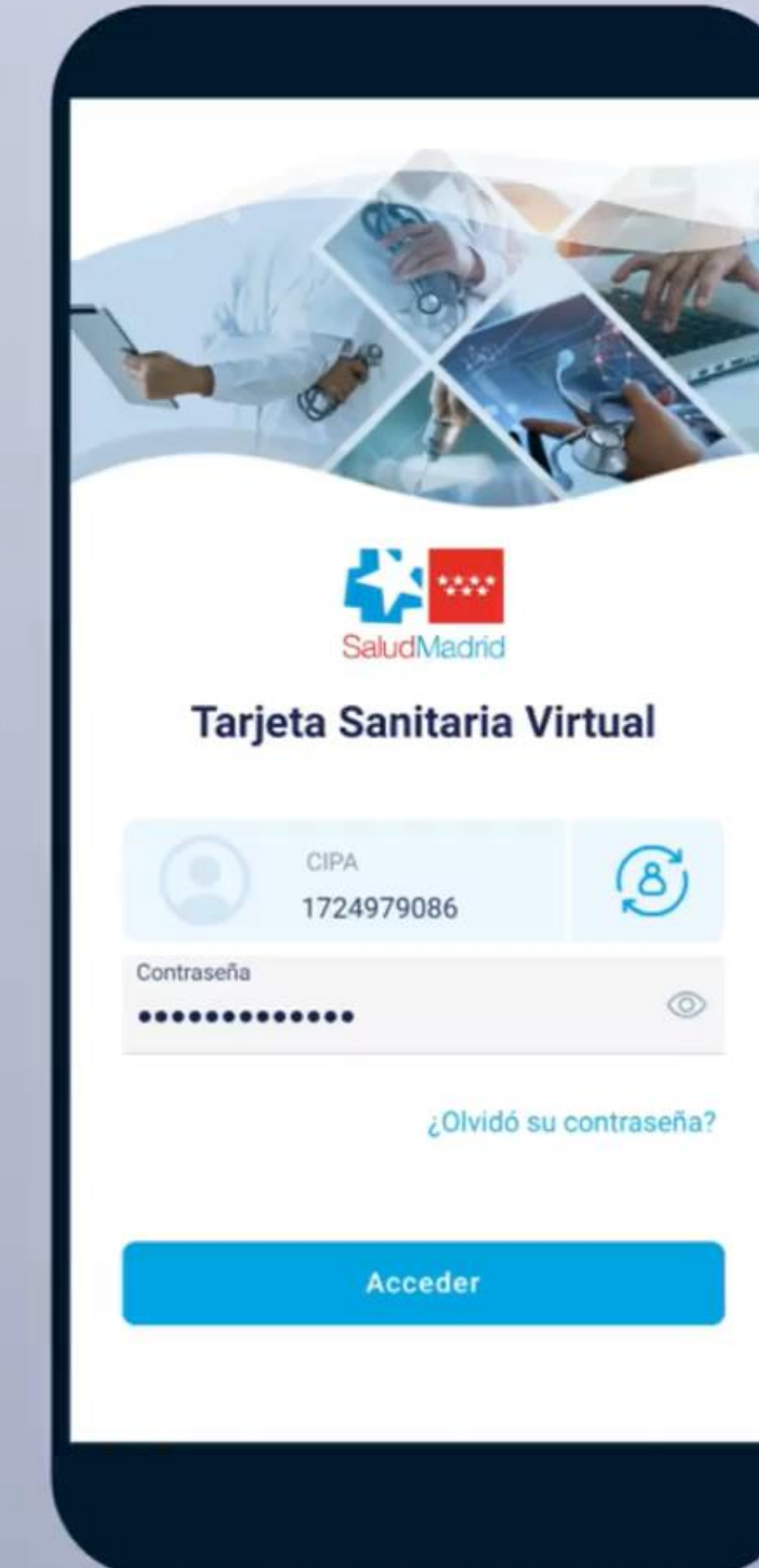
Access your healthcare services with automatic phone number authentication for a seamless and secure experience.



Comunidad de Madrid



Number Verification API





# Miguel López-Valverde Argüeso

Regional Minister of Digitalization, Community of Madrid





# 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)



2FA via SMS



**Transparent 2FA with  
Number Verification**



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



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





IDENTITY

# Accuracy on every call

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

CUSTOMER



Identify your users before making the call:



Improved call accuracy and assertiveness.



Higher recovery rate.



Better user experience.



Know Your Customer Match API



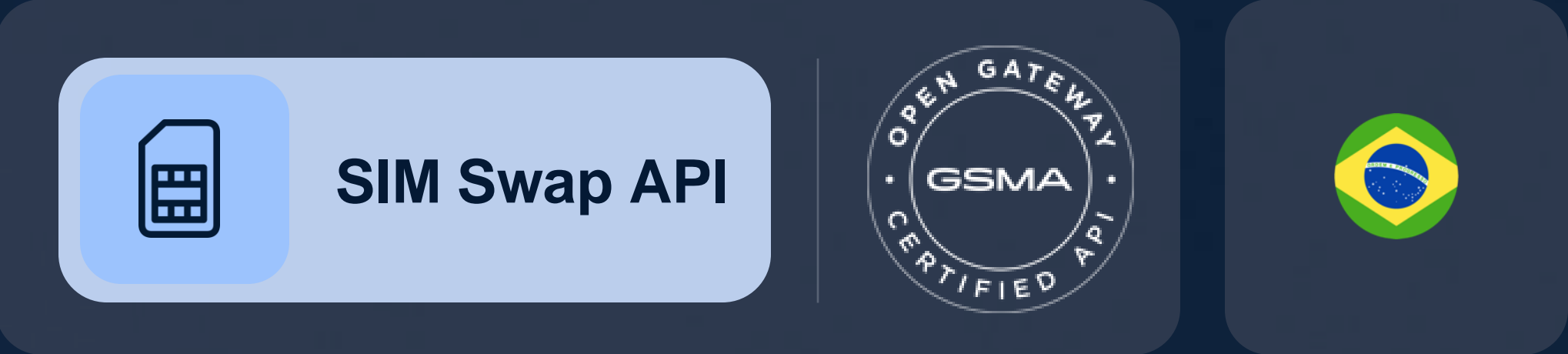
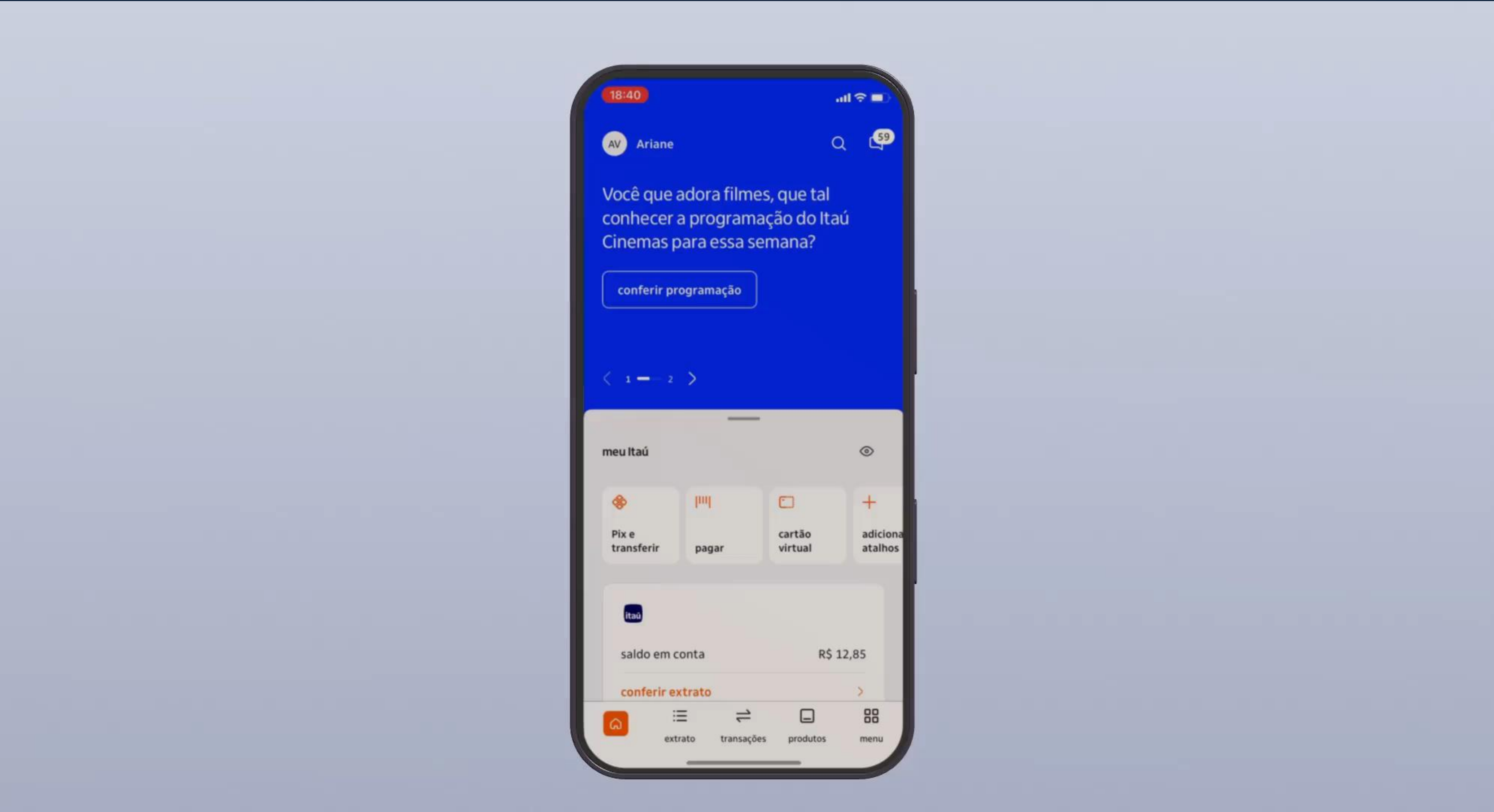


AUTHENTICATION AND FRAUD PREVENTION

# 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





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.

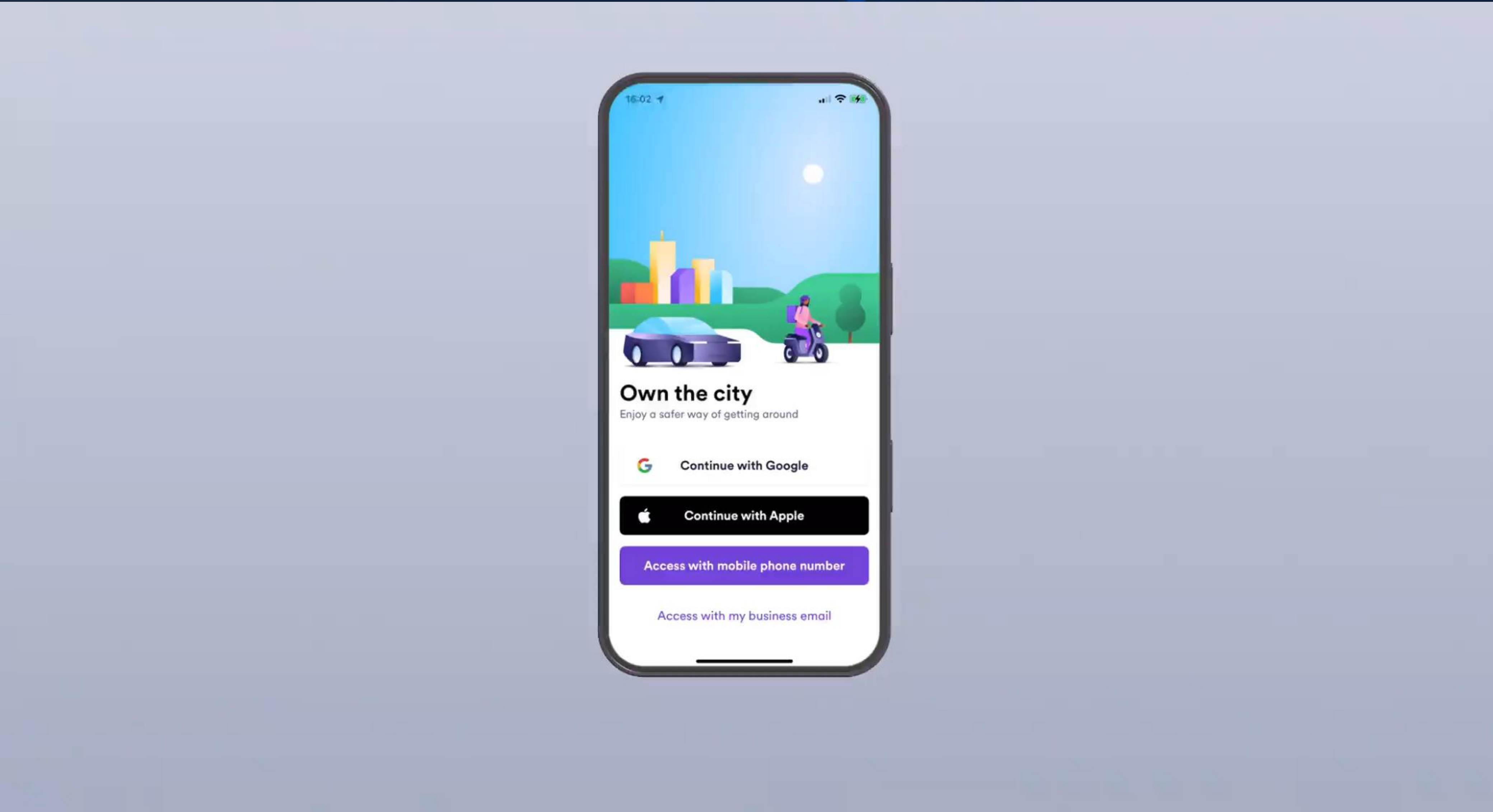
CUSTOMER





CHANNEL PARTNERS




CSPs



 **Number Verification API**



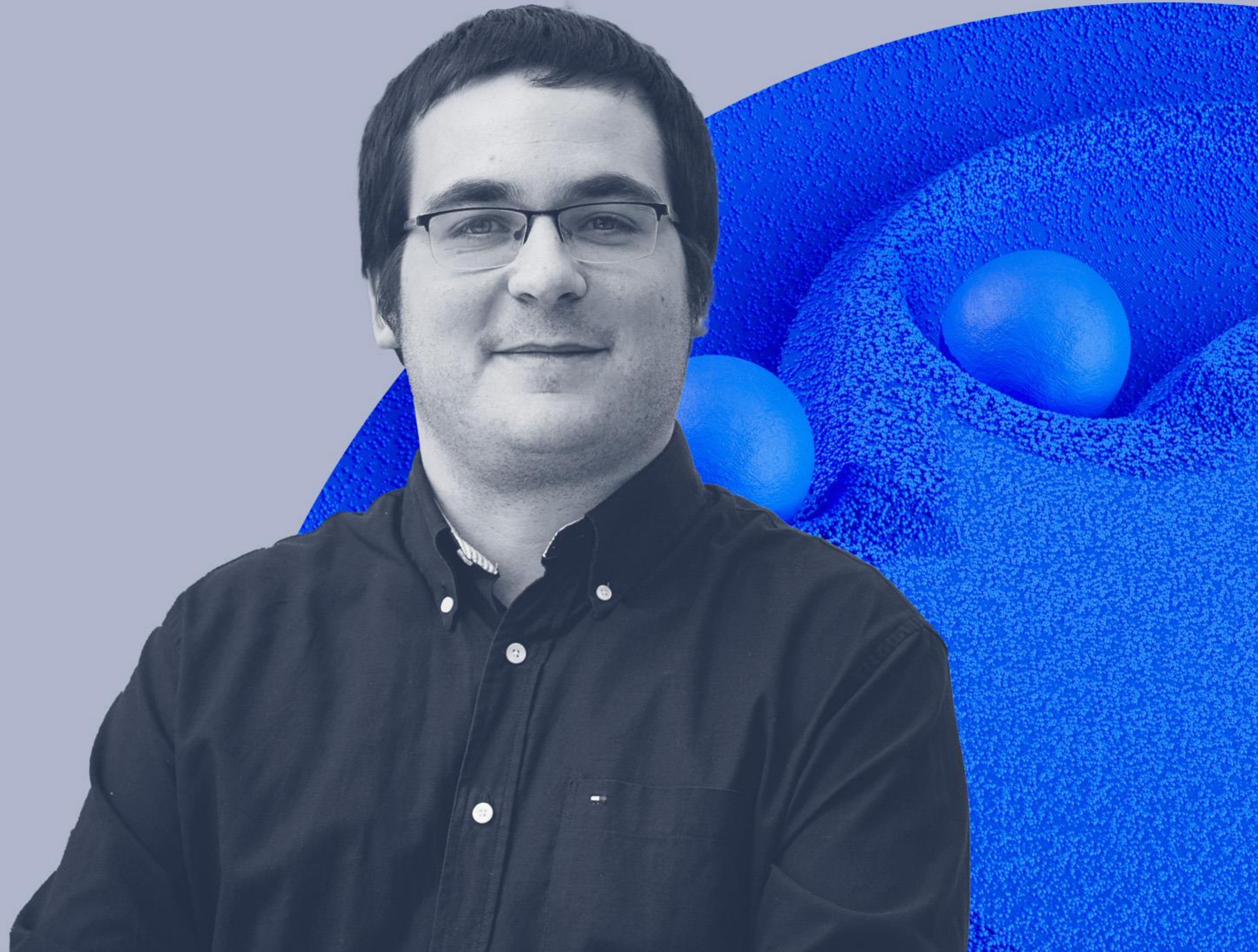




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# Carlos Herrera

CTO Cabify





AUTHENTICATION AND FRAUD PREVENTION

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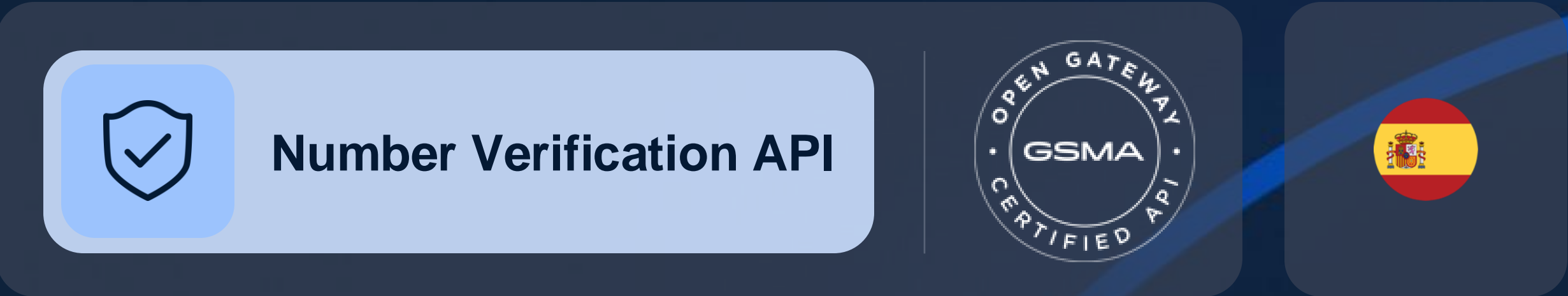
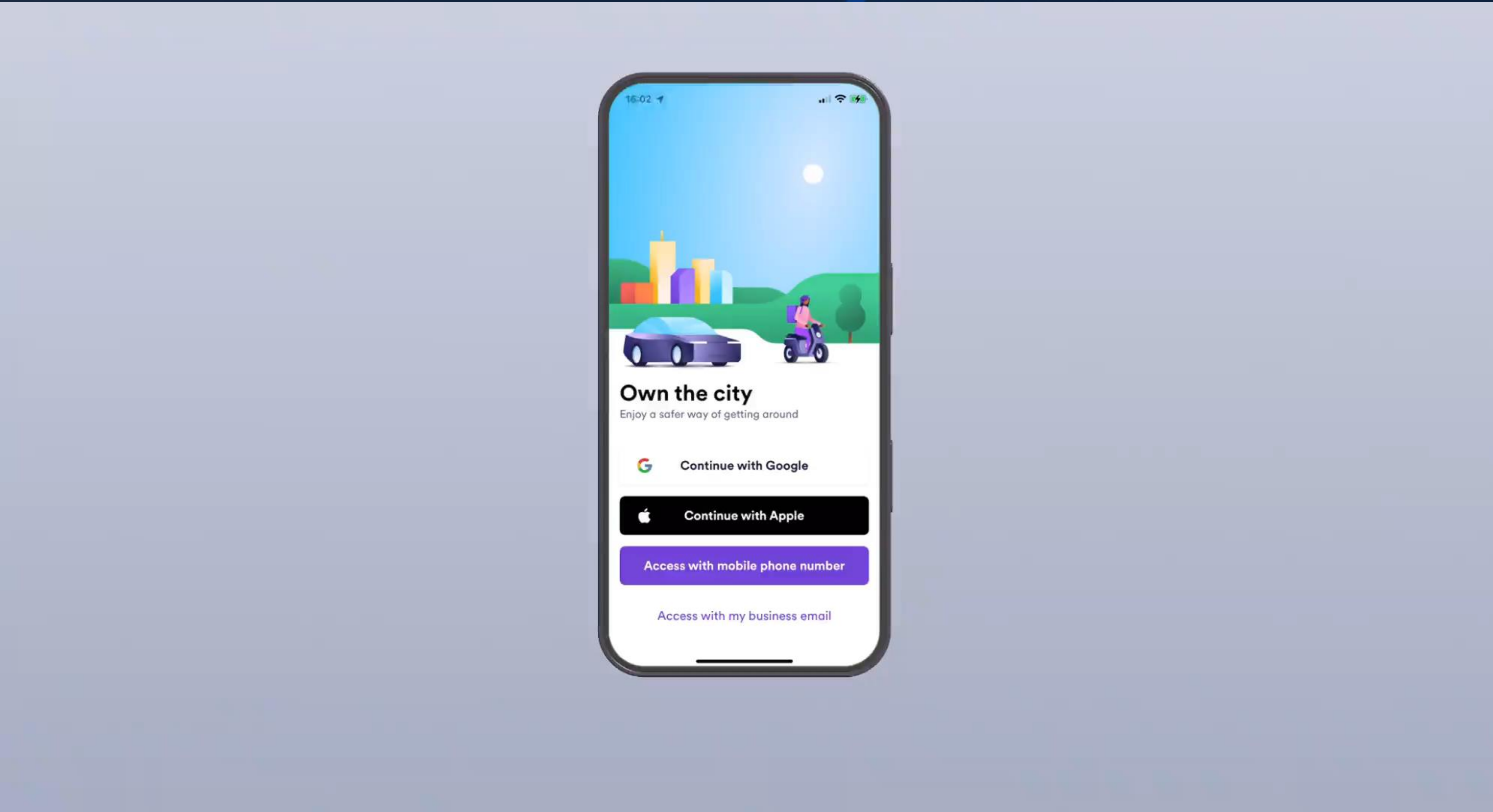
CUSTOMER



CHANNEL PARTNERS



CSPs





AUTHENTICATION AND FRAUD PREVENTION

# Secure access made easy

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

PARTNER



Number Verification API

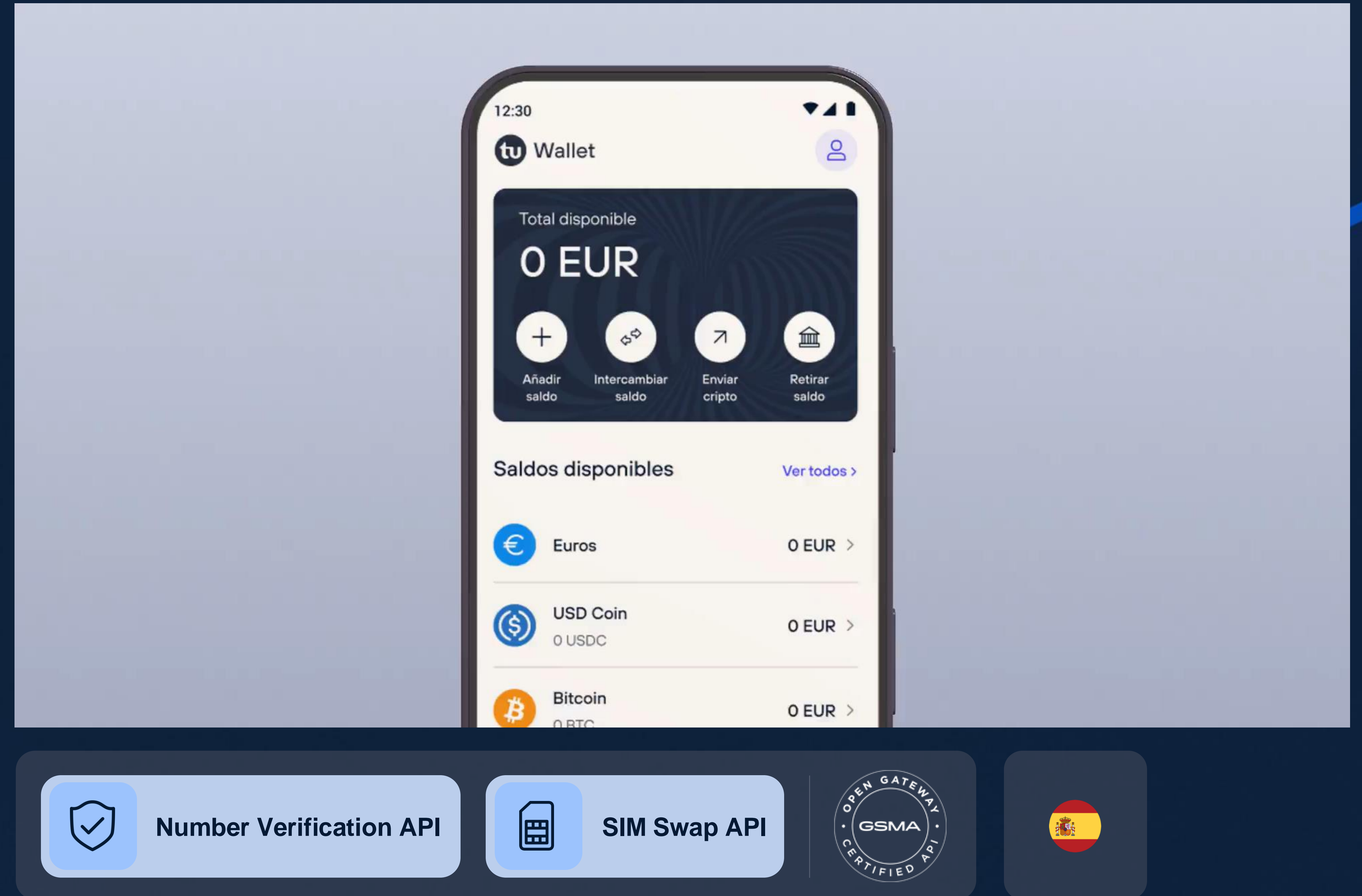




AUTHENTICATION AND FRAUD PREVENTION

# Advance security for crypto operations

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

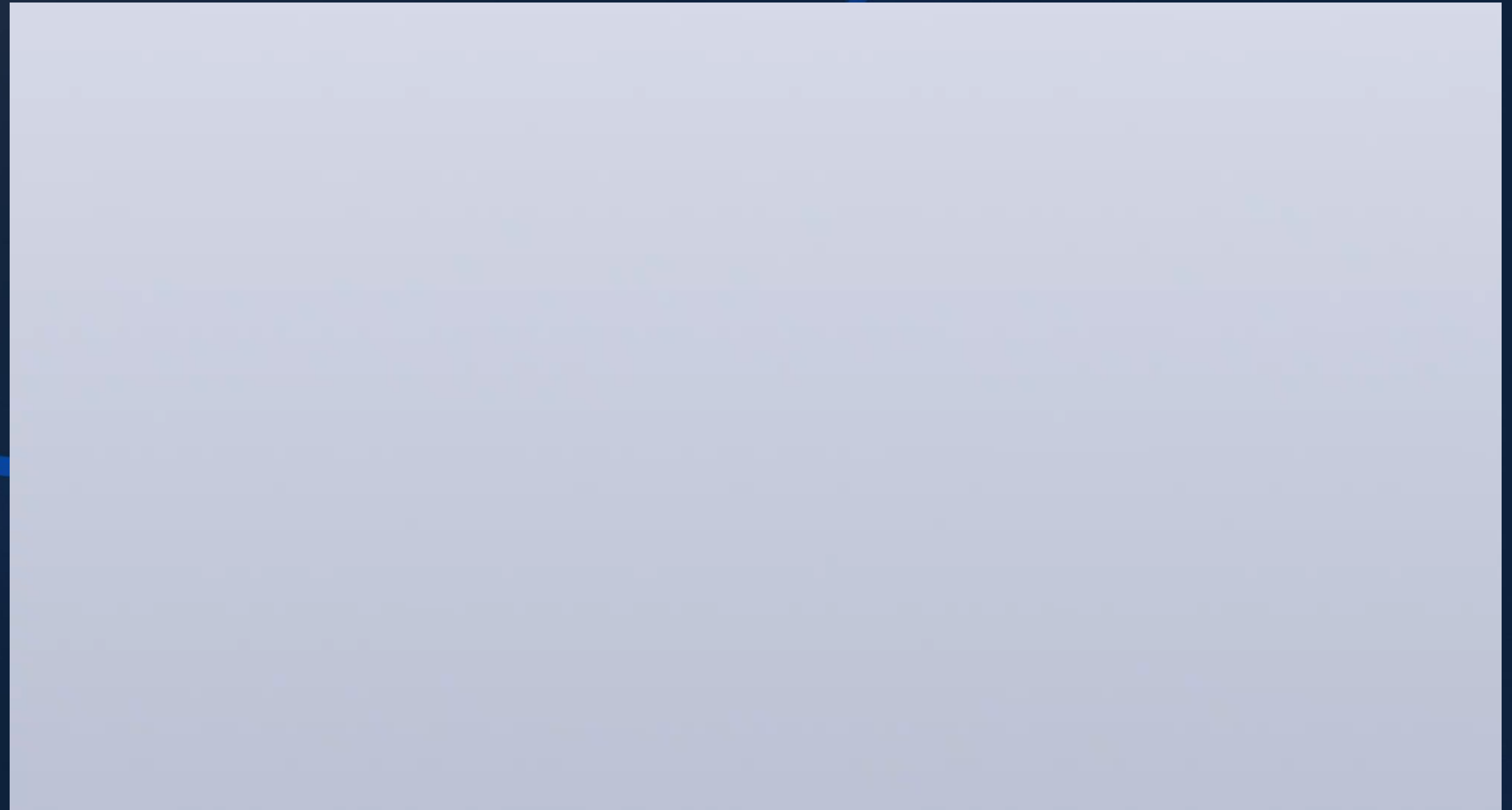




LOCATION SERVICES

# Strongest authorization control platform with location

Raising protection of critical operations with  
advance security configuration.



Location Verification API





COMMUNICATION QUALITY

LOCATION SERVICES

# Cutting-edge drone systems

Automated planning and optimised connectivity for drone  
fleet operations.






Quality on  
Demand API



Population  
Density Data API





Dynamic Airspace  
Connectivity Data  
API





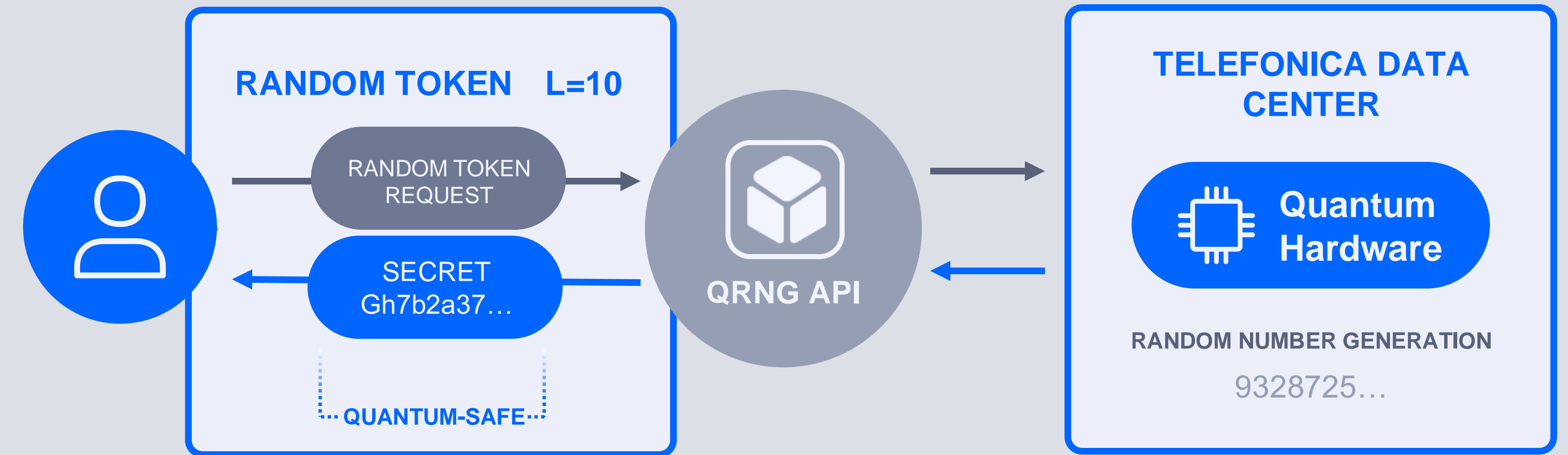
**Innovation never stops,**  
pushing boundaries as a startup



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



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.



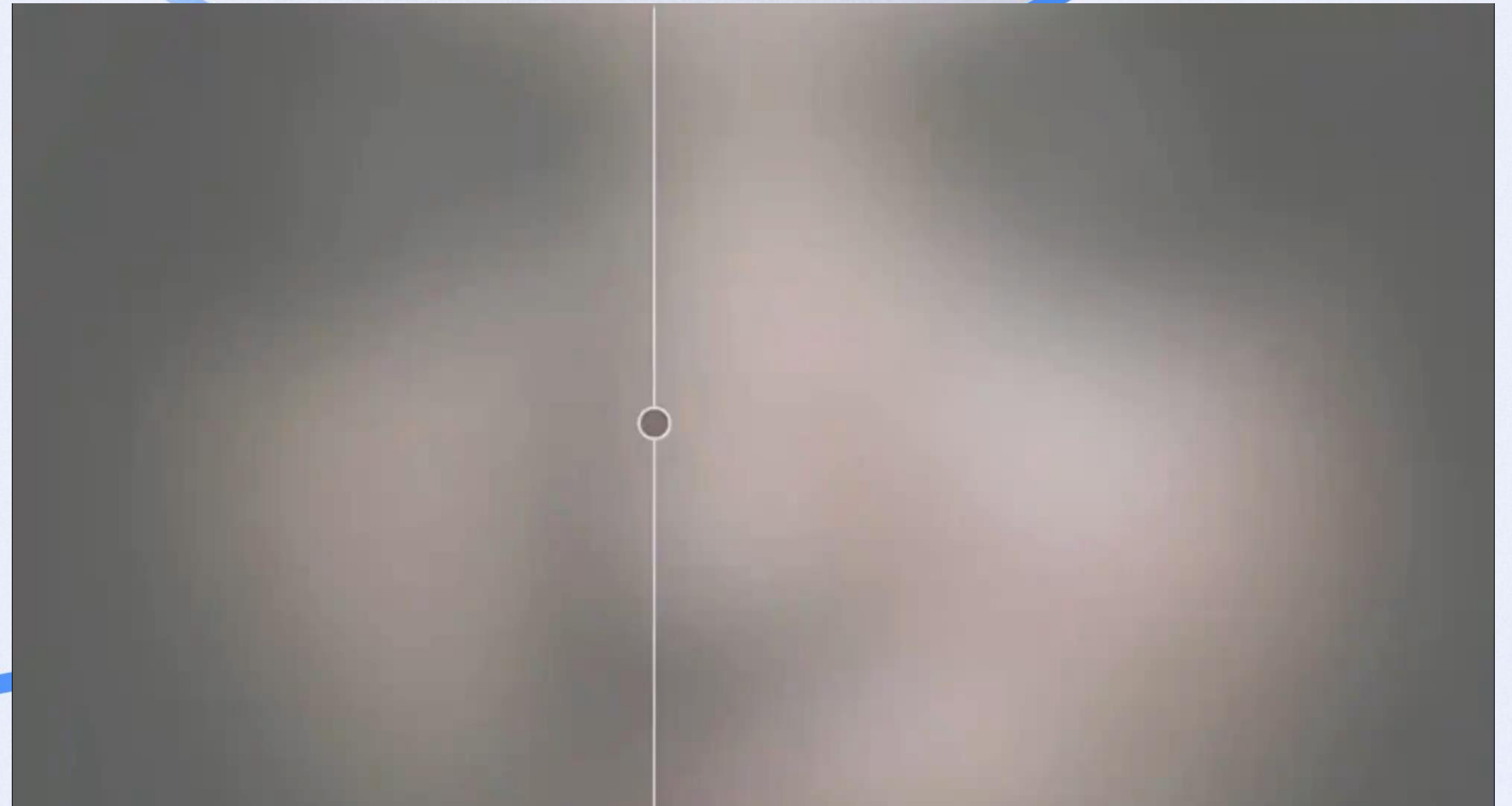
Quantum Encryption API



AUTHENTICATION AND FRAUD PREVENTION

# Deepfake detection in identity onboarding processes (KYC)

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



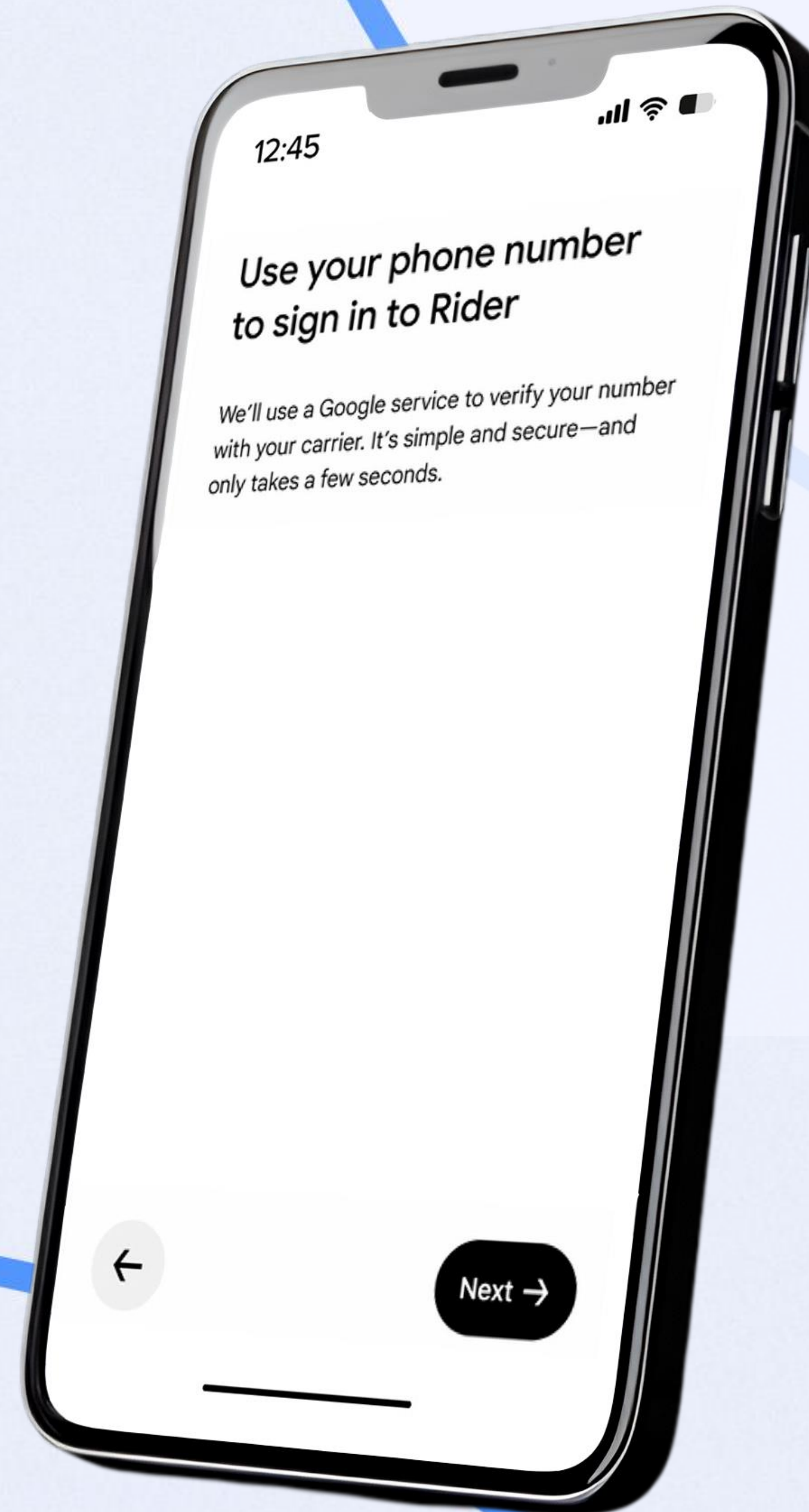
VerifAI API






AUTHENTICATION AND FRAUD PREVENTION

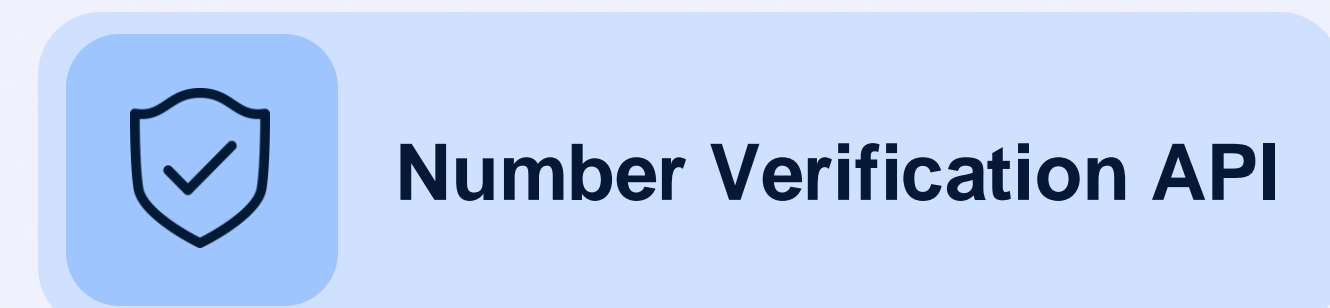
# Seamless phone number verification

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



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

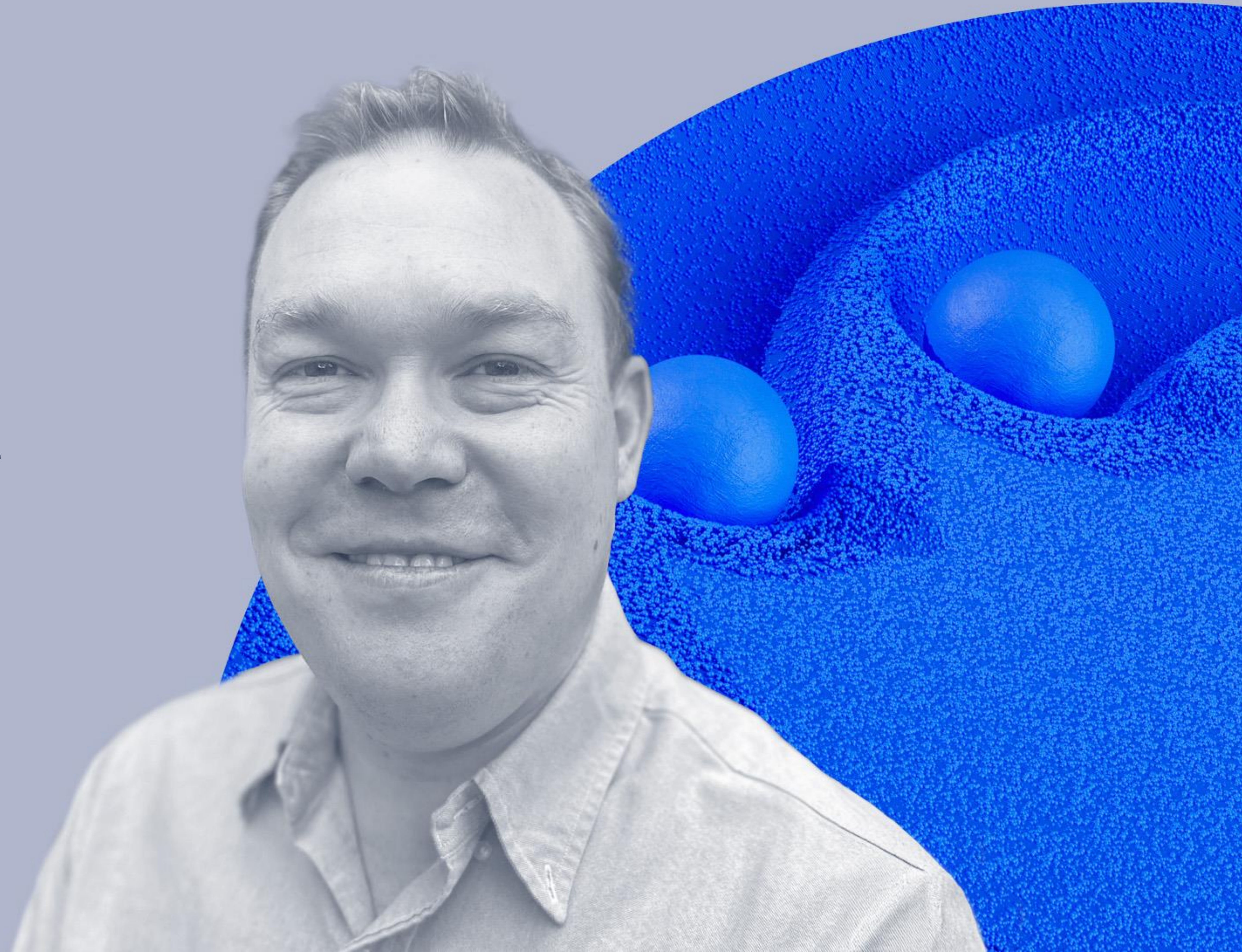
-  Seamless secure authentication without one-time-passwords
-  SIM based identifier simple and easy to integrate
-  Valid for Wi-Fi, VPNs connections or roaming





# Christiaan Brand

Product Manager Identity and Security, **Google**





# Phone Number Verification is critically important

## We need to improve upon legacy verification

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

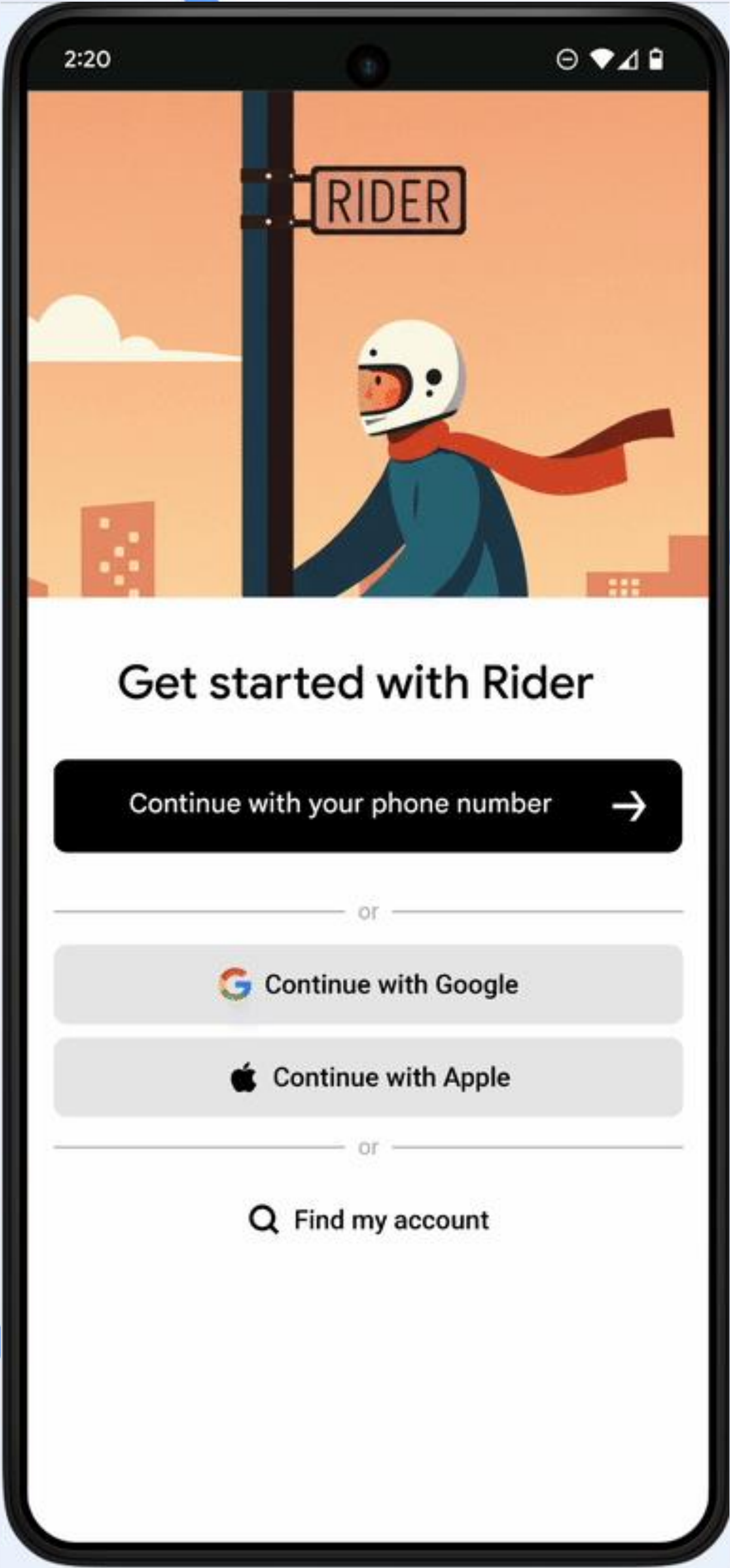


- Google-owned platform that helps **~3M developers** build, run, and scale apps for mobile and web.
- We provide a **path-to-market for carriers** by building on the GSMA *Open Gateway Initiative*.
- We aim to create a new revenue stream for participating carriers by making **verified phone numbers**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





PHONE NUMBER VERIFICATION





LOCATION SERVICES

COMMUNICATION QUALITY

# New opportunities for innovation

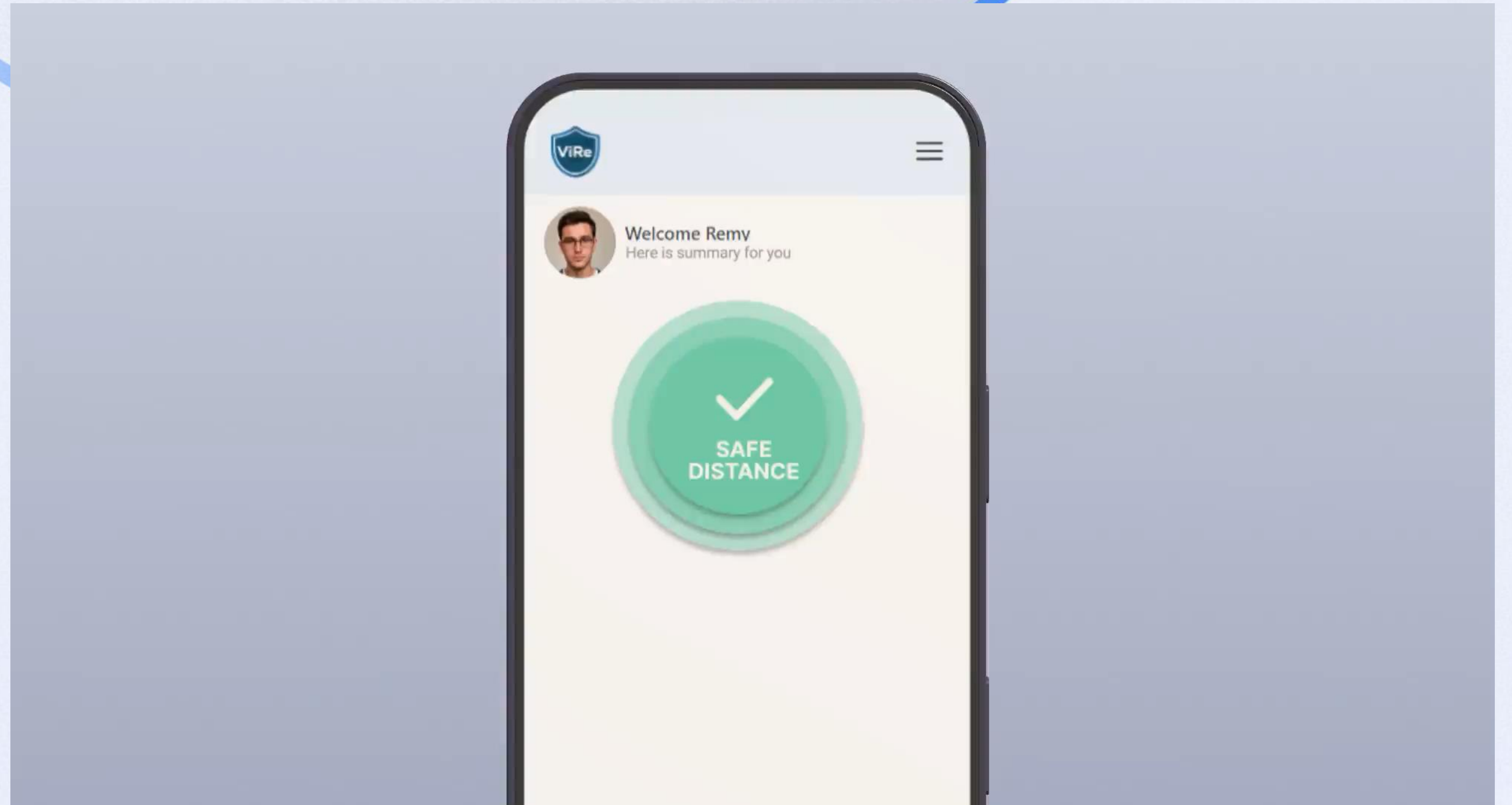
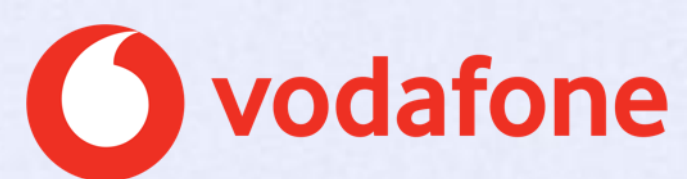
Enabling the development of new solutions through a multi-telco innovation laboratory.

A first use case to ensure protection against restraining orders.

STRATEGIC PARTNER

**i2cat<sup>R</sup>**

CSPs



Location Verification API



Quality on Demand API



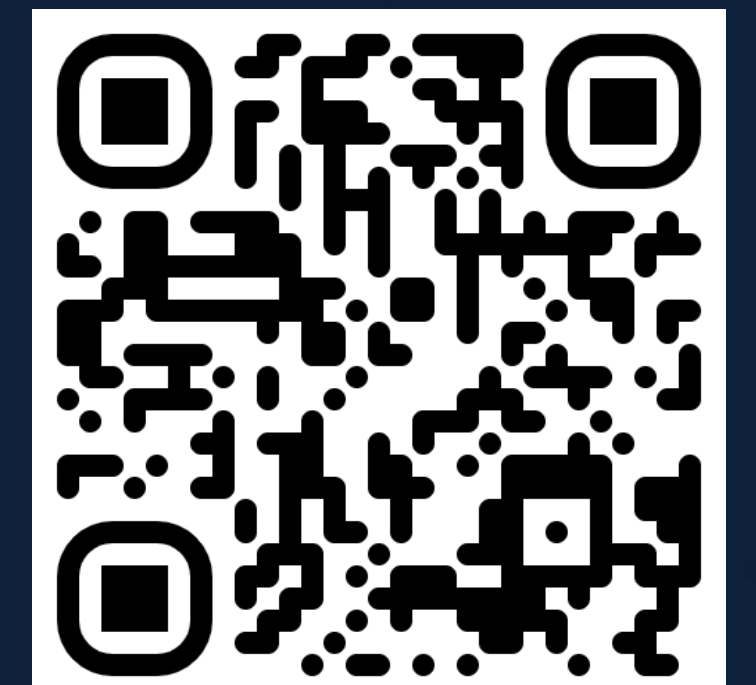
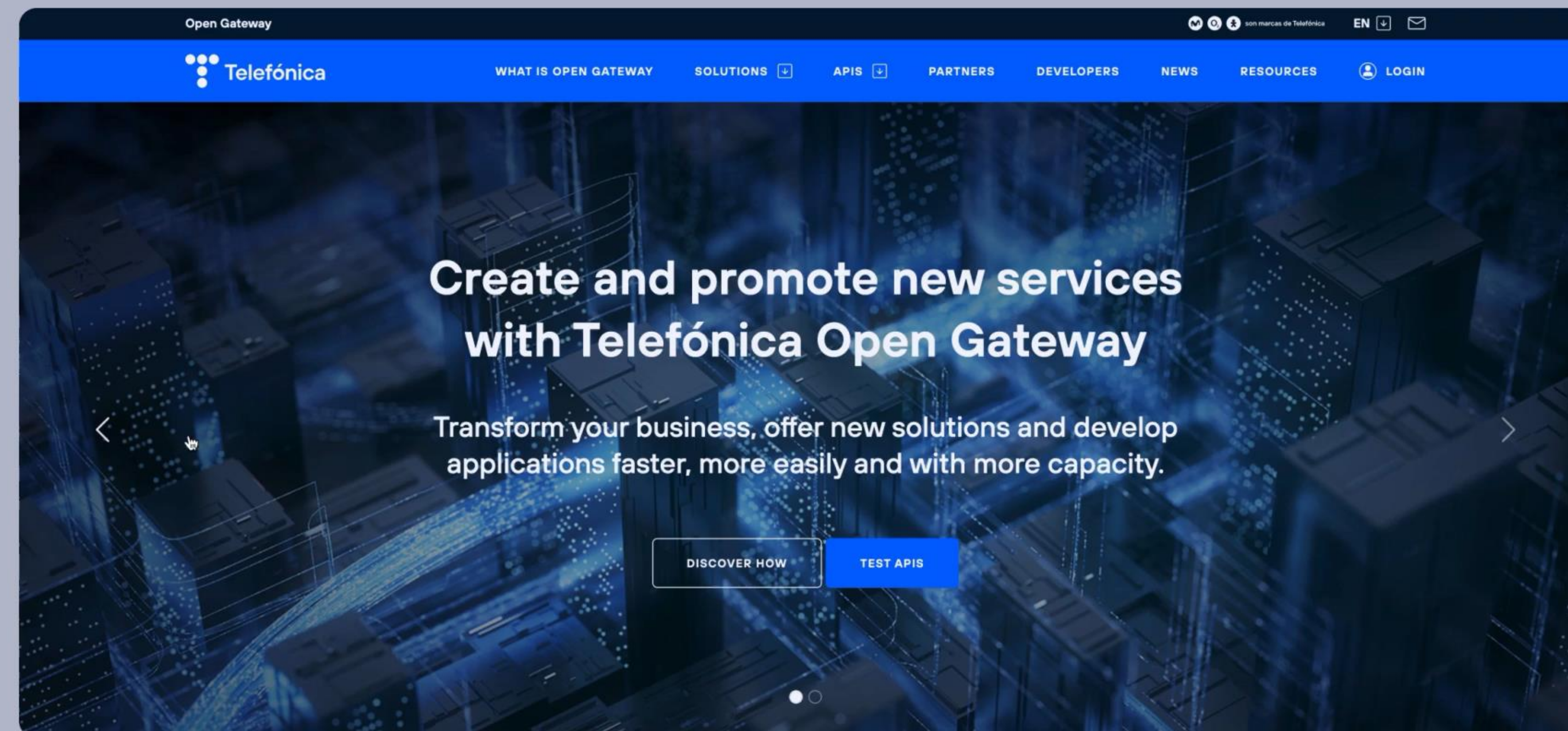


# APIfication

Simplifying services, accelerating innovation.



# Browse our API ecosystem

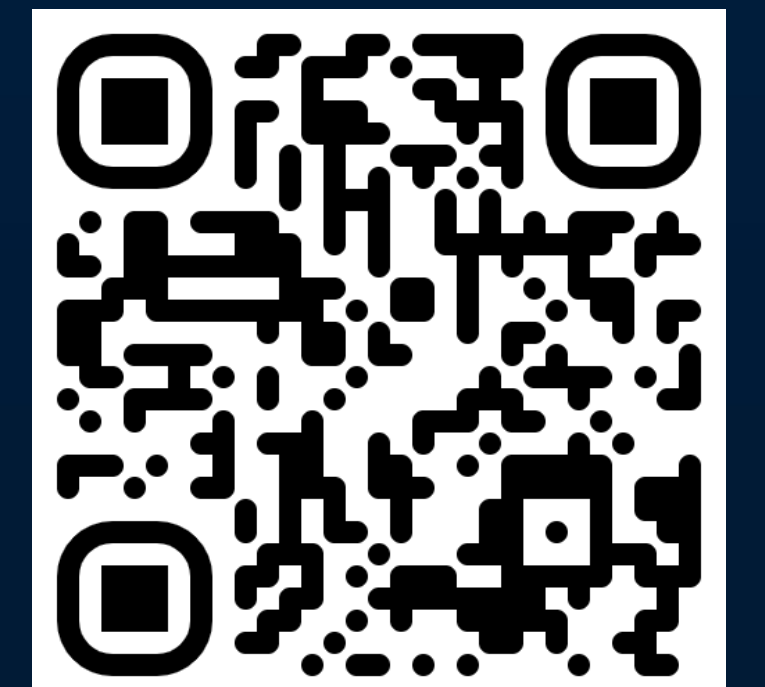






 Telefónica Open Gateway

# Partner Program & Developer Hub





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GSMA  
Open Gateway  
**DevCon**

New Stand

**Open Gateway Zone**





MWC 2025

# Open Gateway 4startups



wayra  
Telefónica

Santander X Global Challenge

In collaboration with



Discover more  
at 4YFN





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



MWC 2025

Leading Change  
Inspiring Progress



**Discover more in  
our demo zone**

**Hall 3 Stand 3k31**