

An aerial view of London at sunset, with the sun low on the horizon behind a layer of clouds. The River Thames flows through the city, and several bridges are visible. Several prominent buildings are circled with blue rings, including the Shard, the Gherkin, and the London Eye. The overall scene is bathed in the warm, golden light of the setting sun.

# Open Gateway

The network, the key asset for the services of the future

# Introduction to Open Gateway

 **Open Gateway is a GSMA-led initiative in the telco sector** that seeks to transform the communications networks into platforms.

Open Gateway will open up **telco capabilities in an interoperable, intuitive and programmable way.**

These capabilities are deployed through **global and standardised APIs under the framework of CAMARA**, the Open Source project led by the Linux Foundation in partnership with the **GSMA**

# To make Open Gateway a reality, Telcos and GSMA have joined efforts to enable Programmable Networks



## Universal access

GSMA Open Gateway is a framework of APIs designed to provide universal access to operator networks for developers.



## Enabling new technologies & experiences

Open Gateway accelerates the development of innovative and immersive technologies and services



## Developer-friendly

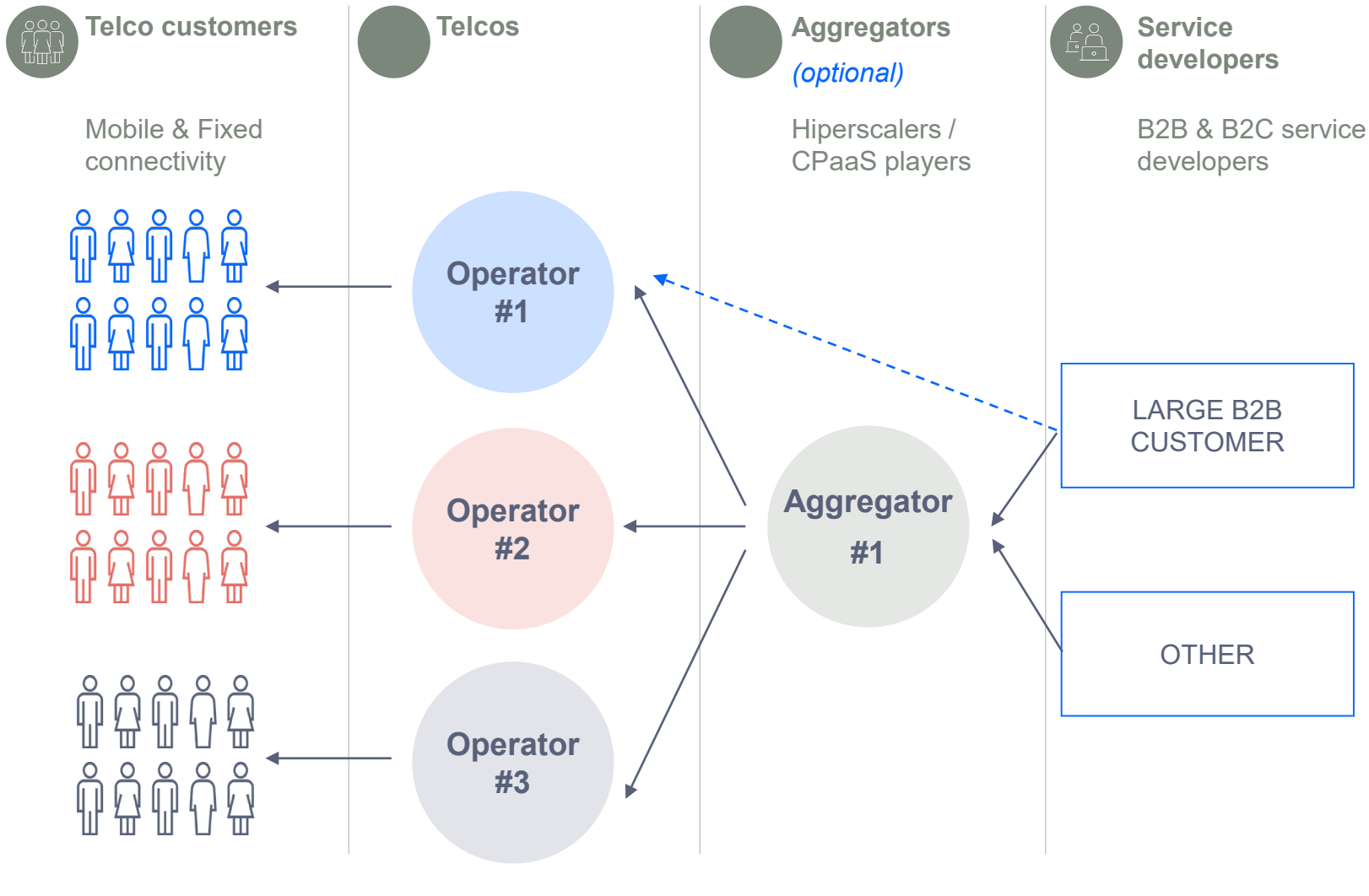
- Simple service APIs that abstract complex network APIs
- One integration for all telcos worldwide
- Direct integration with telco or through the main cloud players
- Data privacy and regulatory requirements are implicitly satisfied

# Open Gateway MoU signed in GSMA by 25 Telcos (as of Apr 28th)



# Open Gateway exposes telco capabilities to enable third party developers to improve and/or create new services

## High level value chain for Open Gateway services



### Common telco services

Technical and service standardization among telcos (CAMARA & GSMA)

### Focus on the developer

Developer friendly APIs and consumption models

### Work with developer ecosystems

Leverage Hiperscalers and other developer platforms to simply aggregated access to APIs and integration with other services

### Working backwards

Start with developer needs and work together to generate solutions for specific problems

# *“We're turning the network into the best partner to build the services of the future”*



## **TELCO INDUSTRY**

A changing role for the telcos to accelerate and transform the creation of new digital services.



## **AGGREGATORS**

A broader and more innovative range of solutions based on new network and telco APIs, available through the marketplaces for developers.



## **EXPERIENCE CREATORS**

Simple integration of telco capabilities, enhancing and creating new services with unique value propositions for developers, startups, application providers, etc.



## **USERS**

An improved user experience with premium features in video calling, gaming and fintech applications and access to new services.

# Use cases are real



## Antifraud & Fintech

- More secure transactions and purchases
- Smarter Banks
- Customer centric



## Gaming & Entertainment

- More adaptable configuration for the connectivity
- High-capacity gaming experiences
- New content possibilities



## Unified Comms & Collaborations

- High-quality video and audio
- Uninterrupted content feed
- Improved online services



## Industry 4.0

- Capitalize on new AI capabilities
- Rethink industry norms
- Integrate new tech into processes



## Health & Wellness

- Prioritize patient care
- Reshape healthcare industry
- Consult and intervene remotely

# As of today, 8 advanced APIs are available in Open Gateway

## Traditional APIs



## Current Open Gateway APIs



Device status



QoD Mobile



Checkout



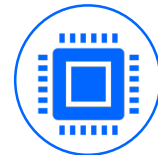
Device Location



SMS based Authentication



Number Verification



SIM Swap



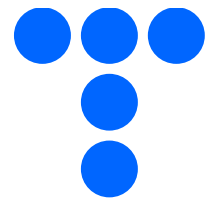
Edge Site Selection/Routing

**...but Telcos have the potential and will expose many more capabilities**



# Key takeaways

- Open Gateway is a **brand-new initiative** in collaboration with **GSMA** that will transform telco networks into future-ready platforms **exposing Network and Telco capabilities**
- We provide **developer-ready networks** for service developers to enrich digital experiences with standardized, automated, simple, on-demand APIs
- We are ready to do it faster thanks to our **programmable networks** and our **customer-centric approach**
- Our ambition is to **provide useful tools to developers** in order to create apps and services that will **take advantage of advanced network functionalities** in order to provide a **better experience to final customers** improving customization of network capabilities



Telefónica