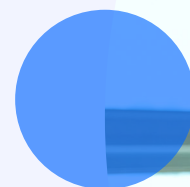


GLOBAL CONNECT HUB

Simplify your access to instant global roaming coverage

One contract, one signalling connection, one platform.



MARKET CONTEXT

The roaming market demands global, integrated, stable and competitive roaming connectivity that meets the needs of consumers, companies and IoT devices alike:

- provides powerful connectivity, integrated with your core network, and is quick and simple
- addresses different use cases - consumer, IoT, high bandwidth and low bandwidth demand, etc.
- offers competitive pricing in different regions and destinations
- is stable and long term, avoiding "network access shock"
- addresses new technology requirements including VoLTE, LPWAN and 5G
- supports rapid evolution to cover new needs with a strategic plan

OUR PRODUCT

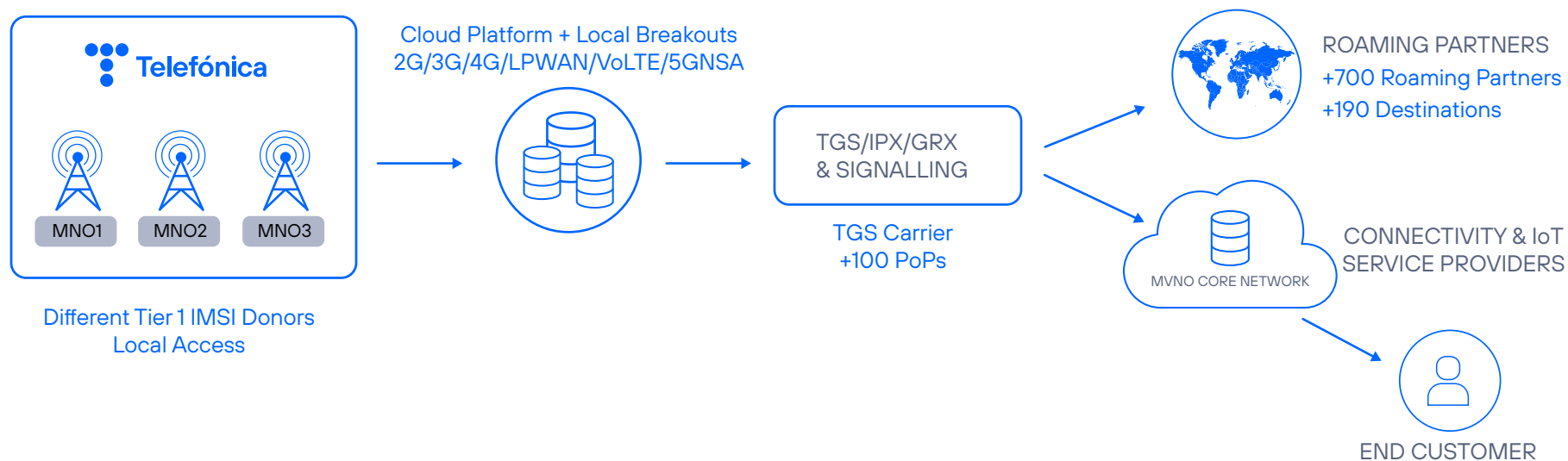
Signing a large number of roaming agreements is costly and time-consuming which can hinder competitiveness. With our Global Connect Hub you will obtain instant global roaming connectivity with a single connection, without the need to establish multiple agreements and interconnections with different operators.

Providing long-term stability, it also responds to the new challenges posed by both Industry 4.0 and the IoT and consumer markets.

How does Global Connect Hub work? Connect once to roam with many

Global Connect Hub provides global connectivity via **multi-IMSI technology**, a **cloud-based distributed platform** and a **robust set of Tier 1 IMSI donors**, all supported by our **powerful IPX/GRX & Signalling network**.

It was created to make life easier for CSPs and enhance competitiveness. It provides sustainable access to cellular coverage putting multiple networks in different regions at your disposal. We guarantee the best tariffs and coverage for your company and your customers.



How can Global Connect Hub help your business?

- **Single contract:** a single connection to our Hub guarantees the best and most competitive coverage, with access to multiple IMSI donors and roaming partners.
- **Access to Tier 1 IMSI donors:** within Telefónica's ecosystem and large top-level operator groups guaranteeing global coverage, the best regional prices and addressing the challenges posed by the IoT market.
- **Stability and regulatory compliance:** to endorse IoT (and consumer) agreements in the long term, thereby avoiding sudden changes in tariffs or access limitations/restrictions. Our platform has been operating for nearly 10 years managing millions of IMSIs per month.
- **Network footprint:** 700+ networks/operators and key LTE networks. Access to different technologies - 3G, 4G, LPWAN, 5G NSA and VoLTE - with at least 2 or 3 networks in key destinations.
- **Unlimited roaming:** thanks to our roaming agreements and those of our associates, in addition to our direct agreements with local operators, any regulatory restrictions are resolved. Long-term permanent roaming is available for your devices in all key markets.
- **TGS IPX/GRX signalling network:** we group together IPX/GRX transport and signalling services, allowing you to have a high-quality transport network managed by TGS and in constant evolution to meet your demands. Third-party signalling transport is also accepted.
- **Constant expansion:** The existing roaming coverage is constantly expanded through new IMSI donors and new roaming agreements signed annually.
- **Flexible commercial proposal:** Adapted to the needs of both high-use and low-use consumer and IoT devices. The best competitive tariffs, taking advantage of the Telefónica Group's purchasing power (and of top-level mobile operator groups).
- **Local or regional Data Breakout:** We are facilitating latency-sensitive use cases through our local and regional Data Breakouts (currently more than 5 with annual expansion) in key locations worldwide.
- **Rapid implementation and high service quality:** The service can be ready to launch in less than two-three months with Quality of Service (QoS) guaranteed through early detection and reaction.
- **Traffic steering according to your interests:** We do not oblige our customers to steer traffic to certain networks in certain countries, but rather allow them to apply their own access policies.
- **Network access and service configurability:** complete management and control of end customers' network access with a fully configurable and transparent whitelist system.

Why Telefónica Global Solutions?



Best coverage and technology support: Best combination of IMSI donors in all key networks and countries around the world, covering 2G/3G/4G/5G including Voice, Data and SMS, VoLTE, LPWAN technologies.



Most competitive rates: Instant and comprehensive service reach, with continuous coverage expansion, leveraging Telefónica affiliates and third-party agreements to build your desired outbound footprint and make your proposal competitive.



Simplify and centralise: Real one-stop shop. Easy connection through a single interface for partners all over the world. Optimised traffic distribution and latency reduction through different regional network nodes according to need, with a consistent experience from day 1.



Faster time to market: Rapid access to worldwide coverage and +10 Tier 1 IMSI Donors in one go to enable faster service roll-out.



Technical reliability: Centralised operation and maintenance to proactively supervise and troubleshoot. Global redundancy and reliable network with global presence thanks to +100 PoPs. Intelligent GTP-routing based on different network and device parameters, adapting the service to your needs.



Service excellence: Count on support from our dedicated team of experienced experts.