Optimize IoT deployments across borders

Global IoT Orchestration

Reduce total cost of ownership and lower overhead of your Internet of Things (IoT) deployments.

Traditional global IoT connectivity business models require multinational companies to contract with network operators in every market. With new eSIM technology and Verizon Global IoT Orchestration, that is all changing. The possibilities of global IoT have never been greater.

eSIM technology allows original equipment manufacturers (OEMs) to build their IoT devices once and deploy them anywhere in a cost-effective manner. The same holds true for global companies that simply want to operate their devices in multiple countries.

But setting up an IoT platform or enhancing existing connectivity in a new country means overcoming familiar barriers, such as sourcing connectivity from multiple providers all over the world. Add to that, every country has its own network policies and compliance rules. Managing multioperator relationships and troubleshooting IoT connectivity across multiple networks and platforms can slow innovation and growth.

With Verizon Global IoT Orchestration, you can minimize all those roadblocks. Instead of contracting with mobile network operators (MNO) in every country or working with mobile virtual network operators (MVNOs) that don't own or operate wireless networks at scale, you will work directly with Verizon for data, billing and troubleshooting. Already a U.S. leader in 5G, Verizon is building an IoT service footprint of up to 200 countries and regions with mobile providers as committed to excellence as we are.

With Verizon Global IoT Orchestration, you can:

- Build at your factories and ship with out-of-the-box connectivity
- Simplify the management of device connectivity across the U.S. and globally
- Overcome commercial restrictions on roaming-based solutions

Experience your entire IoT ecosystem on ThingSpace

Global IoT Orchestration is a solution that includes Verizon ThingSpace Application Programming Interfaces (APIs) for connectivity management. Global and U.S. IoT connections can be managed centrally on a single pane of glass using a seamless API interface. With ThingSpace, you can localize up to 10,000 devices in one API operation.

Verizon supports a flexible pricing model to meet dynamic business needs. You can integrate ThingSpace APIs with enterprise applications to tailor remote eSIM provisioning for global IoT connectivity.

Our single pane of glass experience enabled by ThingSpace APIs lets you:

- Control all your devices, within the U.S. and globally, using the same ThingSpace APIs
- Manage eSIM subscriptions and connectivity for global IoT deployments
- Switch eSIM operator profiles and see devices go live within moments of powering on

In today's global environment, quality and availability matter. While MVNOs and smaller operators come and go, Verizon is here to stay—partnering with like-minded MNOs around the world.

Let's work together to future-proof your investment with a long-term business and technology strategy.
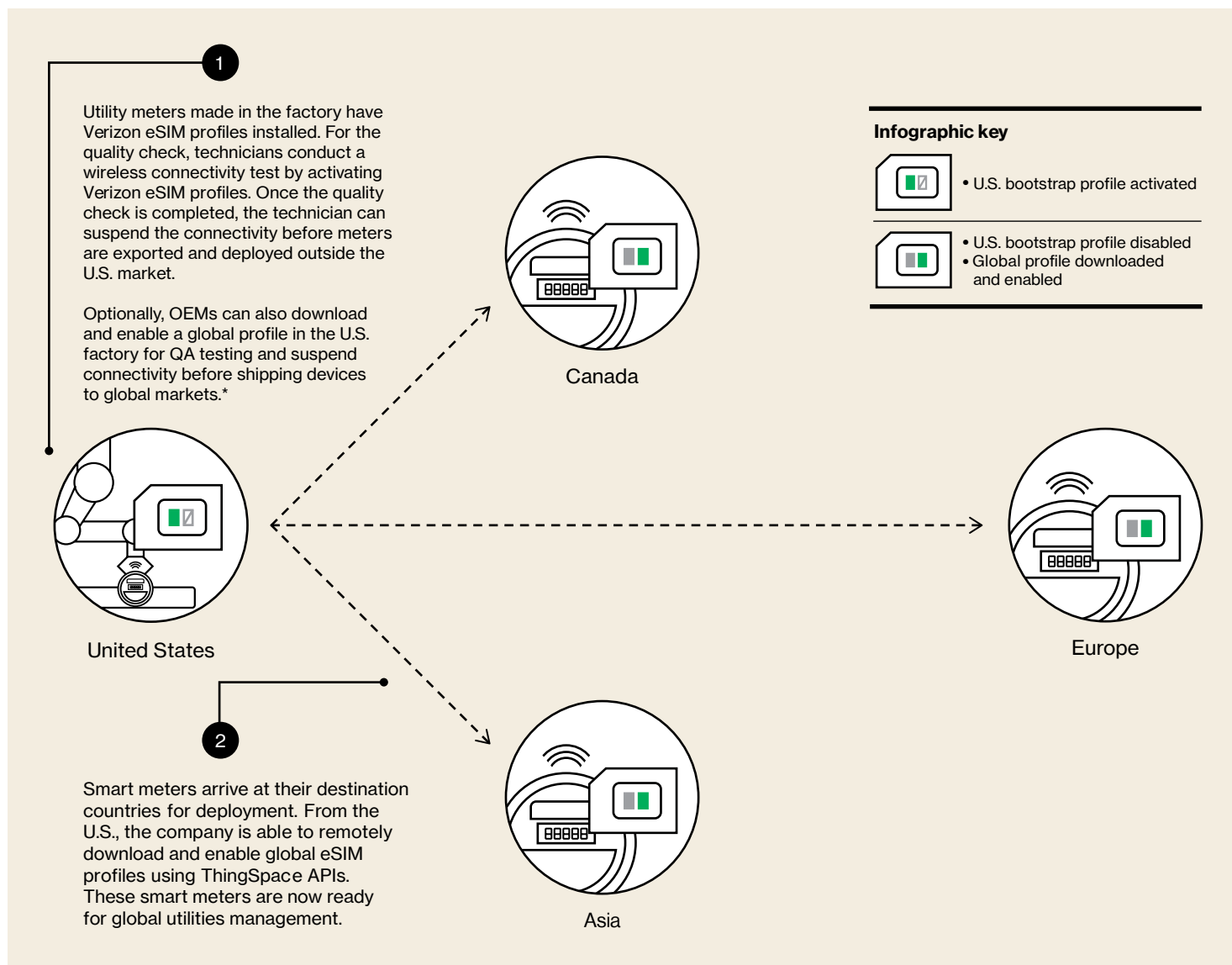
verizon business

Use case: Global utility manufacturer

Challenge

A global utility manufacturer and services company needs to safely, securely and reliably deliver smart critical infrastructure services to communities in 100+ countries.

Solution

Verizon Global IoT Orchestration supports low-power connectivity for wireless smart meters, making it easier for multinationall advanced metering infrastructure technology providers to deploy their services globally from a single production facility. Out-of-the-box connectivity allows utility providers and cities to quickly monitor and deliver critical infrastructure services to communities worldwide as soon as the smart meters are powered on.

1

Utility meters made in the factory have Verizon eSIM profiles installed. For the quality check, technicians conduct a wireless connectivity test by activating Verizon eSIM profiles. Once the quality check is completed, the technician can suspend the connectivity before meters are exported and deployed outside the U.S. market.

Optionally, OEMs can also download and enable a global profile in the U.S. factory for QA testing and suspend connectivity before shipping devices to global markets.*

Infographic key

• U.S. bootstrap profile activated

• U.S. bootstrap profile disabled
• Global profile downloaded and enabled

Canada

United States

Europe

2

Smart meters arrive at their destination countries for deployment. From the U.S., the company is able to remotely download and enable global eSIM profiles using ThingSpace APIs. These smart meters are now ready for global utilities management.

Asia

Learn more

For more information about Global IoT Orchestration, visit verizon.com/globaliot or contact your Verizon Account Manager.

*Option to preload global eSIM profiles will be available in future releases.

verizon
business