

## Showmac case study

# Reliable IoT connectivity for modules to remotely manage e-scooters in real time

Powered by BICS SIM for Things



Our track-and-trace modules enable operators to monitor fleets of any type, anywhere in the world. Underpinned by a high-performance IoT network from BICS, we provide our customers with mission-critical data in real time, and can meet stringent SLAs because we have seamless cellular data connectivity through a single partner – BICS.

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# BICS enables Showmac to provide real-time geolocation and updates of e-scooter fleets

## Challenge

E-scooter rental operators need uninterrupted, real-time information about their fleets to ensure rider safety and minimize losses due to breakdown and theft. Fleet managers must monitor multiple parameters including location, distance travelled, battery usage, and wear and tear so they can optimize management and the end-user experience.

Companies operating e-scooter fleets across multiple countries face further complexity as tracking modules must work globally without manual intervention. Reliable connections that work seamlessly across national and network borders are required for real-time management and monitoring.

## Solution

### Bringing geolocation and data monitoring to the e-scooter rental industry

Showmac supplies track-and-trace modules to monitor e-scooter fleets, backed by BICS' global IoT network. The modules incorporate sensors to track metrics like power, time used, distance travelled, and location.

Every module comes with an embedded global SIM, which provides seamless data connectivity across the world via mobile networks. A dedicated IoT core network provides high reliability and QoS, with an automated SIM lifecycle that auto-connects devices to the BICS global network as soon as they are switched on.

### Reliable constant coverage and simplified international operator relationships

Through BICS' connectivity hub spanning more than 200 countries, Showmac's modules operate with no interruption across 24 countries in Europe. BICS SIM for Things gives Showmac access to ubiquitous multi-network coverage across European markets with just one commercial agreement, eliminating the need to manage multiple operator relationships.

### Automated self-management

BICS' zero-touch provisioning model and self-management platform makes Showmac's modules easy to activate, manage, update, and troubleshoot remotely.

### Enhanced monitoring

The BICS platform provides real-time updates on connectivity status, not only at the deployment level but for each individual module. As a result, fleet operators can keep track of every vehicle.

## Benefits

### Reliable coverage for accurate geolocation

Works anywhere and at any time. Receive automatic notifications in real time if a vehicle breaks geofencing restrictions, is damaged, or is low on battery.

### Track fleets at scale

Improve efficiencies by keeping track of fleets remotely in real time, at scale.

### Reduced costs

Simplify operations and reduce costs with automated SIM lifecycle management from factory to end of life.

### Fast deployment

Modules can be activated remotely, and seamlessly integrated into e-scooters thanks to BICS' automated lifecycle management.