

GSMA  
Open Gateway



orange™

Location Verification API

Quality on Demand API

# Orange and Shabodi demonstrate how 5G can transform manufacturing

Case study for manufacturing using the CAMARA-standardised Location Verification and Quality on Demand APIs – [View API Descriptions](#)

## Business Problem

To support demanding digital applications, such as computer vision and process automation, manufacturers require highly reliable connectivity. If these applications suffer from resource competition and bottlenecks, mission-critical processes can be disrupted.

## Impact

The demonstration illustrated how network APIs can significantly improve efficiency and performance in manufacturing environments. The technology could improve productivity and safety, support flexible manufacturing lines and reduce cabling costs. Orange is now implementing a proof of business in France, Spain, Belgium and Poland.

## Technical Solution

At MWC25, Orange and Shabodi demonstrated how CAMARA-based APIs can help monitor conditions in factories. When a 5G-connected sensor detected an abnormal temperature, the demo used the Location Verification API to determine the location of the nearest 5G-connected camera. The Quality on Demand API was then employed to ensure the camera had the bandwidth it needed to stream live video, enabling remote personnel to assess and address the situation promptly.

## Value

By helping to enhance production lines and optimise factory operations, network APIs can support the further automation of manufacturing through digitisation (a concept known as Industry 4.0). The net result should be greater efficiency and productivity, as well as a lower risk of accidents.

*“We leveraged Orange’s private 5G network to demonstrate how automation is not just about utilising the network as connectivity, but exploiting the intelligence of the network to realise a vision and capabilities of various automation strategies...the partnership with Orange has enabled Shabodi to expose these complex network services as simple APIs.”*

**Harpreet Geekee**  
Co-Founder & CTO of Shabodi.

