

5G Bartender

Objective: to offer a robot bartender that serves various types of drinks and, thanks to 5G connectivity and Edge Computing, can recognise the customer and speak to them in their language.

Description: Kime is a humanoid robot from Macco Robotics capable of serving wine (Raimat's eco-sustainable Wine on Tap system), juice/coffee, and preparing cocktails. Through 5G and connectivity to Telefónica's Edge Computing, two additional functionalities can be integrated:

- Facial recognition: with the Immersive Lab application, a camera located in front of the robot captures video in real time, sends it to the Edge and there it is contrasted with the database that houses the profiles with the photos of the customers who have previously registered in the application. This makes it possible to know who is ordering a drink.

- Multilingual speech: the customer has the possibility to choose the language in which he/she wants to interact with the robot. The translation service instantly sends the answers from the Edge to the robot, so that the experience is as fluid as possible, with no latency thanks to the combination of 5G and the execution of the service on the Telefónica Edge.

Robotics applied to other sectors of the economy such as the hotel and catering industry, which is so widespread in Spain, is a trend that has been gaining unstoppable momentum in recent years. Telefónica plays a key role in this evolution, providing great value with technologies such as 5G and Edge Computing which, combined with others, enable new functionalities or extend the capabilities of robots. Being able to call people by name or speak to them in their native language, whatever it may be, transforms the versatility of robotic solutions, so that they can have a more human, more social interface, a fundamental aspect in this type of services in which people are directly attended to.

Finally, it contributes to increasing the accessibility and availability of the service of selling drinks or snacks, in those places and/or at those specific times when it is difficult for a person to attend to customers, such as 24-hour room service in a hotel.

[Press release](#)

[Video report](#)

