

5G Simultaneous Translation

Objective: Providing a software-based simultaneous translation solution for more than 80 languages, which can be easily used through a mobile app and with 5G network capabilities, so that it works with sufficient immediacy to be able to have a face-to-face conversation. The project will be implemented at the Hotel Meliá Serrano in Madrid.

Description:

A mobile application will be developed by the Australian company Lingmo, which will allow the user to speak in his/her own language and generate audio in the target language the user selects, for the following scenarios:

Face-to-face conversations, each person speaking in a different language, for scenarios such as reception desk or the restaurant.

Simultaneous translation for conferences, where each of the attendees can listen to the speaker's speech in their own language.

Messaging solutions with voice translation in scenarios such as room service.

The low latency 5G guarantees that the translation is done fast enough to have a fluid face-to-face conversation, where each person is speaking a different language through her/his own application.

The audio record on the mobile is processed and sent to a software translation server located on the operator's Edge Computing servers, which will interpret the content and generate an audio in the target language. Additional software solutions will enable one-to-many translation, for the simultaneous translation scenario for conferences and events.

[Additional references](#)



Low Latency

