

# Live Streaming and real-time Translation

## New Opportunities for Communication and Education

Live streaming is replacing traditional TV because it has no geographical barriers. But it does have language barriers-or at least it had them: our LiveTranslate© technology, so far unique in the world, performs automatic translation in real time of the video being broadcast.

This technology is part of the activities developed under the Rete NeTVision brand, which has been in the live streaming business for 10 years, providing services to companies and organizations:

- organizes meetings and roundtable discussions among remote participants placed in virtual studios
- broadcasts events using brandable cameras to manage the direction remotely: an outstanding example is the system implemented for the Basilica of St. Ambrogio in Milan.

The LiveTranslate© services, based on these experiences and on speech recognition and language conversion modules, are all in real time: that is, less than 1 second passes between the speaker's video input and its retransmission including translation.

1. **Managing online seminars** when the speaker's language is not understood by all participants. See two examples from an international master's program at the Politecnico of Milan: [Frame 1](#), [Frame 2](#) (IT-EN)
2. **Speaking live in another country in another language.** Il Prof. Solimene, [FEMTEC](#) President, from Moscow gives the keynote address at a medical event in Cuba: [Frame1](#), [Frame2](#) (IT- SP)
3. **Managing translation in conference rooms.** Video footage sent to our Center is streamed with subtitles: you receive this video and project it behind the speaker. The incoming video is synchronized with the speaker because the streaming delay has been reduced to less than one second instead of 10-12. The [73rd International FEMTEC Conference](#) was run in this way. For example, see the talk by Dr. [Marcus Coplin](#) (EN-IT)
4. **Add real-time subtitles to a recorded video:** see presentation made by **Ugo Gastaldi's** (International Chef) in the Tunisiawines promotional demo ([EN](#), [FR](#), [SP](#)).
5. **Automatic translation in bidirectional mode**, to support remote meetings between two groups of people speaking different languages: a more recent development requested by our clients, which will have a significant impact in the international relations of companies and organizations.