



iqu/vis

**Barrier-free information for blind
and visually impaired passengers**

TELESTE

iqu/vis

With iqu/vis, blind and visually impaired passengers receive real-time information including delays and special texts directly on their smartphones. At all times and at all stops.

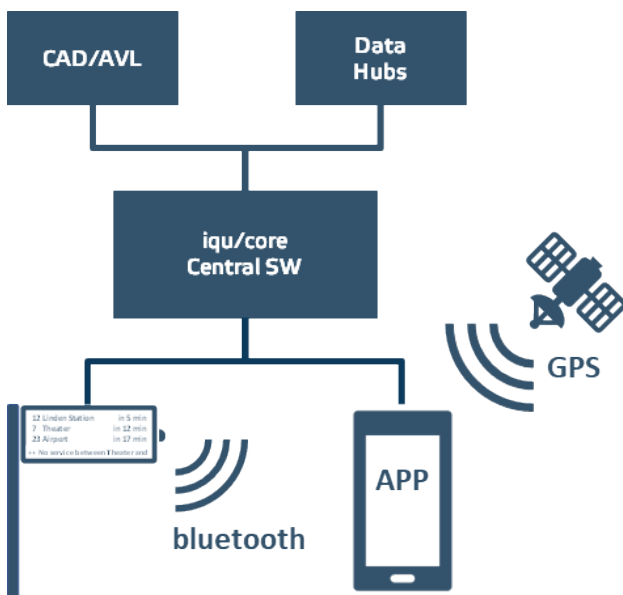
How does iqu/vis work?

Using a Bluetooth beacon and GPS, the smartphone of blind and visually impaired passengers is located within 10 meters of the stop's tracking area.

The pre-installed iqu/vis app then transmits this location to the Teleste background system and receives all departures and special texts relevant for this stop within seconds.

Passengers can then activate the voice announcement on their smartphones and have the departures and special texts immediately announced via the iqu/vis app.

The following illustration shows the simple system architecture:



What do you need for iqu/vis to work?

First, the iqu/vis app must be downloaded onto the smartphones of visually impaired and blind passengers. It will soon be available free of charge in both the App Store for Apple phones and the Play Store for Android phones.

A Bluetooth Beacon is installed at each stop where real-time information is to be announced via the iqu/vis app. The close-range radio transmitters, which are the size of a matchbox, will be mounted on existing poles with or without passenger information displays and will then function for 2 to 4 years using standard batteries.

On the central side, all that is needed is the iqu/core software, which takes all relevant real-time data from an CAD/AVL or a data hub via standard interfaces such as SIRI, GTFS, and forwards it directly to the iqu/vis app.

And what is the catch?

There is no catch!

For visually impaired and blind passengers with smartphones, it is the easiest possible entry into the world of real-time information.

For transport companies, municipalities and tariff associations that are already existing customers of Teleste Systems, it is a simple system expansion. And for new customers, it is a very manageable new investment with minimal effort.

Teleste Systems GmbH
Lister Straße 6
30163 Hannover
Deutschland
www.teleste.systems

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