

Prague handicap street parking navigation system

Member: CITIQ
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100%

instant overview
and easy navigation
for disabled people

#1

in

detectors merging
with the Prague's
historic center

up to

98%

accuracy of detecting
changes in the parking
spot occupation



The Idea

The main goal of CITIQ was to monitor occupancy of handicap street parking places in Prague, provide online information to handicap people and navigate them through the city to the empty parking place.



The Solution

Data about any change of the magnetic field are sent to a collector on street light pole using IQRF wireless network and afterward transfer to a back-end server for further processing. Data are visualized in a map in the mobile app.



The Results

As the result in 2016, handicap people were able to download a free mobile app, where they saw available and not available handicap parking places in the Prague city center and they were able to use a navigation to the particular empty parking place.



The IQRF Benefits

IQRF provides extra low power communication which enables up to 8 years of battery life time. More over thanks to full bi-directional communication sensors could be debugged and upgraded over-the-air without extra service costs. IQRF also provides secure and reliable communication even in cases of water or snow layer on the ground.