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SMART SOLUTIONS FOR URBAN AND REGIONAL MOBILITY IN EUROPE

Brno, 6th of June 2019



New P+R application

From the parking in the mud to the real P+R



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South Moravian
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needs of people
who must
commute

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in Blansko

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Region and Brno

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DEFINITION OF P+R

- parking place usually outside or at the suburb of the big city, where you can park your car and continue to the centre by public transport operated in a short interval and with a shorter travel time then the car can provide.
- there are many parking places close to the stations in the South Moravian Region. Not all can be considered to be P+R.



SITUATION IN THE SOUTH MORAVIAN REGION

- integrated public transport serves all the region
- the main train lines are operated in the interval of 15 minutes at the peak time
- nearly at all railway station is possible to park the car (i)legally
- parking at the P+R is for free
- mostly B+R exists as well
- most of the car parks are fully used and more places are needed
- this situation is only partly satisfying, the best would be to use the public transport even for the last mile of commuting
- municipalities are actively building new P+Rs - esp. bigger towns.



NEW P+R IN THE REGION



Brief summary of results of interviewing in Blansko and Vyškov (2016, SOLEZ Project) - two recently finished P+R.

- The main reason for using of P+R: cheaper then all the journey by car (B: 57%, V:79%)
- The main reason for not travelling all the journey by PT: no sufficient connection (B:27% , V: 45%)
- The biggest group of users are office-people (B: 47%, V: 53%)
- The most frequent distance for coming by car is up to 10 km (B: 77%, V: 74%)
- Travelling this way 4 times a week (B: 64%, V: 59%)
- Users do not need any additional services (B: 75%,V: 85%)



P+R is:

- solution of the lack of parking places at the job place
- solution of the congestions towards the core city
- solution of the lack of connections
- no solution of the feeling that car is better transport mode
- no solution of the high PT ticket price

What commuters need?

- quick home -job journey
- short transfer car - public transport
- short waiting time for public transport
- easy to park
- easy to understand the conditions



WIRELESS GEOMAGNETIC DETECTORS



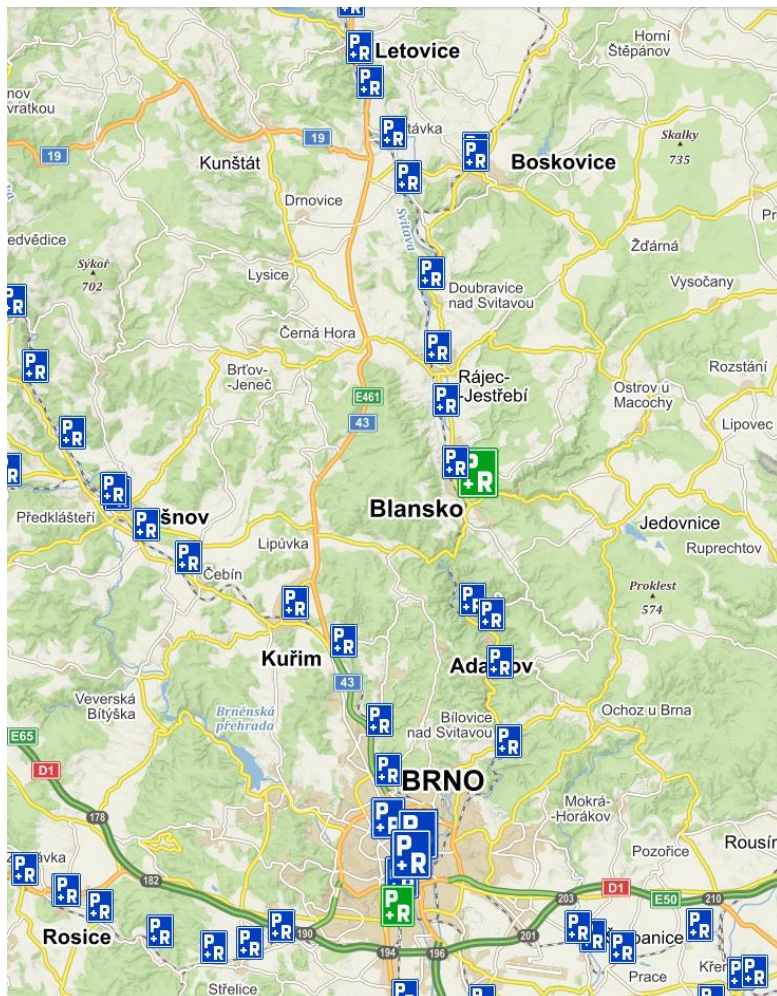
- Quick and simple installation without significant damage of the road surface
- IoT, High accuracy
- Detectors are almost invisible
- Almost no maintenance needed (battery lifetime 5 years)



DATA ON PARKING OCCUPANCY



PARK AND RIDE APP



BLANSKO
×

VOLNÝCH: 128 / KAPACITA: 213
Počet míst ZTP: 7 Počet míst kola: 15

ODJEZDY LINEK IDS JMK

Odjezdy směr Brno hl.n. C

Jízdné: 34 Kč Doba jízdy: 20 - 28 minut

S2	Brno hl.n.	11min
S2	Brno hl.n.	16:31
R19	Brno hl.n.	16:41
S2	Brno hl.n.	17:04

DALŠÍ SMĚRY

Ilustrační foto

Otevírací doba

PO - NE 00:00 - 23:59



DYNAMIC TRAFFIC SIGN



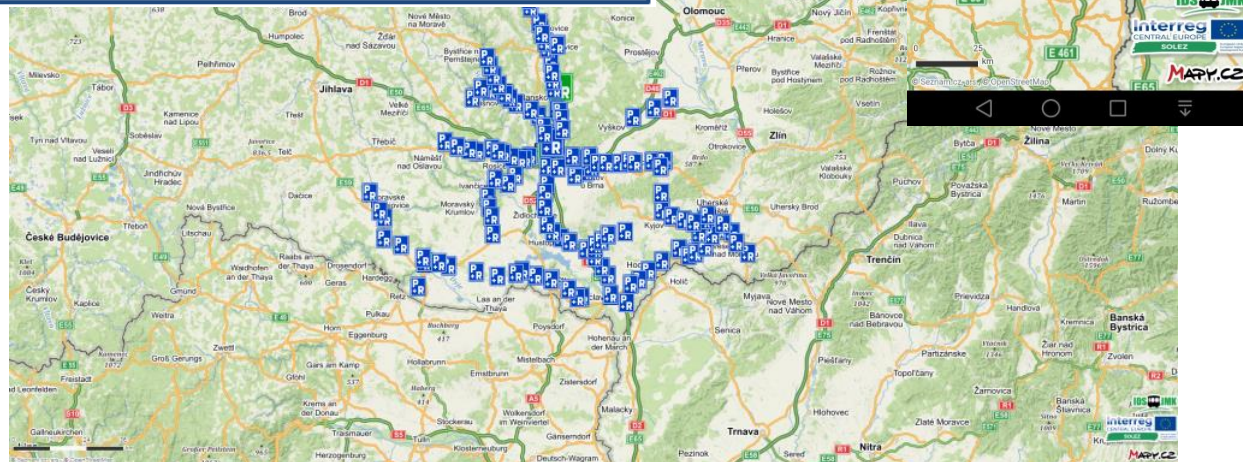
P+R BLANSKO

Free spaces: **333**

Trains toward Brno

Next **±10min**
departures **±15:55**

Fare 20 CZK, tickets available at cash desk.



FURTHER STEPS

- KORDIS consider the Blansko solution as a standard for the South Moravian Region.
- We are going to produce a manual for municipalities how to implement this highly effective solution.
- At the moment we have already proposed to another city to use this system and they are planning to do it.



- P+R should be build outside of the cities. The inner city P+Rs should solve mostly for visitors.
- Better then to reward users for P+R usage is to persuade them to use public transport for the all journey or to use a bike.
- P+R should include the B+R and other services.
- The price for parking should be free for users travelling by public transport. It saves costs for expensive payment systems.
- The new P+R should be built with the power stations for electric cars.
- The SMART solution is to have the way how to easy find the information of the current usage of the parking.



THANKS FOR YOUR ATTENTION!



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