

SMARTPOLIS

Smart Cities in Central and Eastern
Europe Workshop

ROBERT BOSCH KFT.
LASZLO MILANOVICH
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Engineering Center Budapest (ECB)

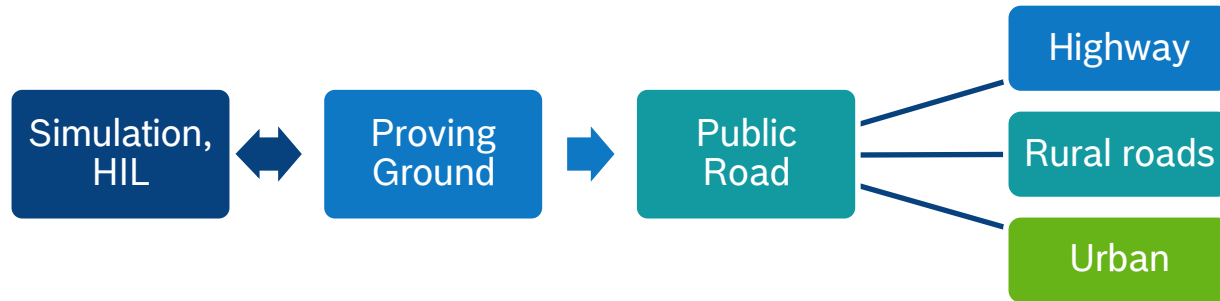
Continuous growth since 2000

- More than 1500 engineers, further growth
- Biggest R&D Center outside Germany
1 patent per week
- Close to famous and excellent universities
- High motivation, flexibility and creativity of the engineers
- Close to Bosch production sites in Hatvan, Miskolc and Eger
... where the majority of the products developed at ECB are produced
- Major location for driver assistance system developments
- **Automated driving becomes more and more important in the future in Budapest as well**



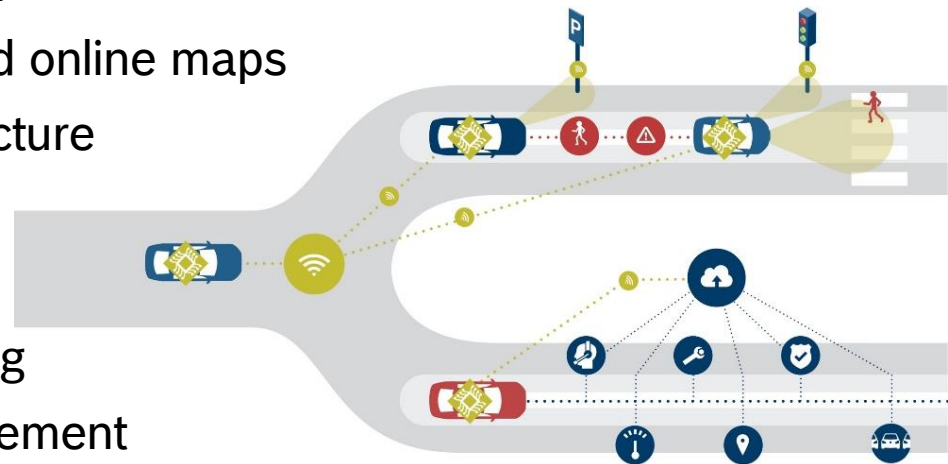
Automated Driving (AD) and Smart Cities

Infrastructural requirements



AD testing in real traffic requires:

- High precision, up-to-date and online maps
- C2X communication infrastructure
- Cloud services
- Smart parking solutions
 - Community based parking
 - Active parking lot management
 - Valet parking



Smart City challenges and solutions

Bosch smart city product portfolio

Topics	Challenges	Solutions
Mobility	Reorganize / Revitalize existing infrastructure Connected and efficient public transportation	Smart parking Fleet monitoring and management Intermodal planning, booking, payment
Energy	Manage peak demand Reduced environmental impact Improvement of existing infrastructure	Street light management Smart grid (metering, software) District heating
Security	Public security (mass events, crime) Reduce impact of natural disasters	Video surveillance Emergency services Disaster response
Governance	Market place, data analysis (monitor, control, predict) Share cross segment knowledge necessary	Apps eGovernance City Dashboard
Health	Staying at home longer Self-determination	Connected Life

Thank you for your attention!

Laszlo Milanovich
Automated Driving Sub-Project Manager
Laszlo.Milanovich@hu.bosch.com