

prezentace **ŘSD**

Traffic Management & Influence on Czech Motorways



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ŘEDITELSTVÍ SILNIC A DÁLNIC ČR

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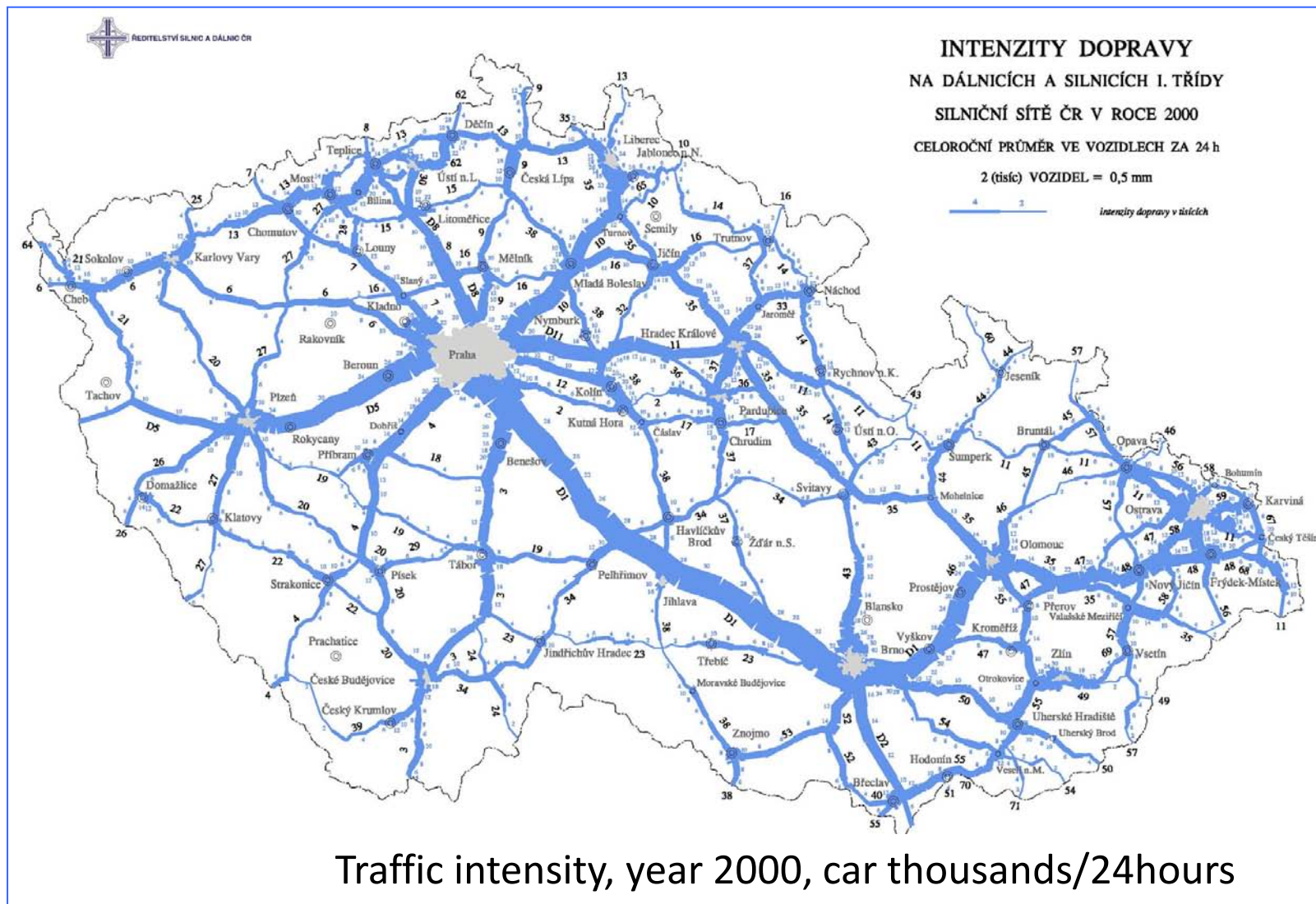


About RSD

- RSD = The Road and Motorway Directorate of the CZ is a national contributory organization, founded in 1997.
- 1700 employees, headquarters in Prague: sections of internal affairs, construction section, operations section and commercial and economic section.
- The investment activity for motorways is guaranteed at 2 divisions in Prague and Brno and for first class roads at 13 regional investment road administrations in Prague, Ceske Budejovice, Plzen, Karlovy Vary, Chomutov, Liberec, Hradec Králové, Pardubice, Jihlava, Brno, Olomouc, Zlin and Ostrava.
- Operations section guarantees management, maintenance and repairs of roads or expressways. Operation is performed by 16 Centers of Administration and Maintenance of motorways. Centers of Road Maintenance are used in order to guarantee first class road maintenance on contractual basis.



RSD Network



In pictures ...



RSD & Intelligent Transport Systems

- **Infrastructure ITS equipment:**
profile traffic detectors (about 300), meteo-stations (about 300), info portals & VMSs (about 200), video cameras (about 300), tolling gates (about 170), Weight in Motion detectors (about 10).
- **Emergency & communications:**
SOS stands (about 500) along highways integrated into one system, telematics in tunnels (acc. national legal framework), RDS TMC and web based www.dopravniinfo.cz broadcasting.
- **ITS systems & applications:**
large scale video surveillance system,
integrated winter maintenance system,
National Traffic Information System (acc. to national law),
3,5t+ Tolling System based on microwave vehicle localization (operated acc. to EU and national law),
dynamic traffic management system on Prague expressway ring.
- Participation in Connect and EasyWay deployment projects.



Potential from road operator point of view

On-line + effective + 100% reliable + secure + relatively cheap information, influence and regulation:

- Traffic management
- Transport regulation
- Electronic payments
- Revenues from users



- Optimal use of parking places
- Municipality services optimization
- More Attractive & Efficient public transport

Multimodal integration

112

C. Logistic

Public mass tr.

Railways

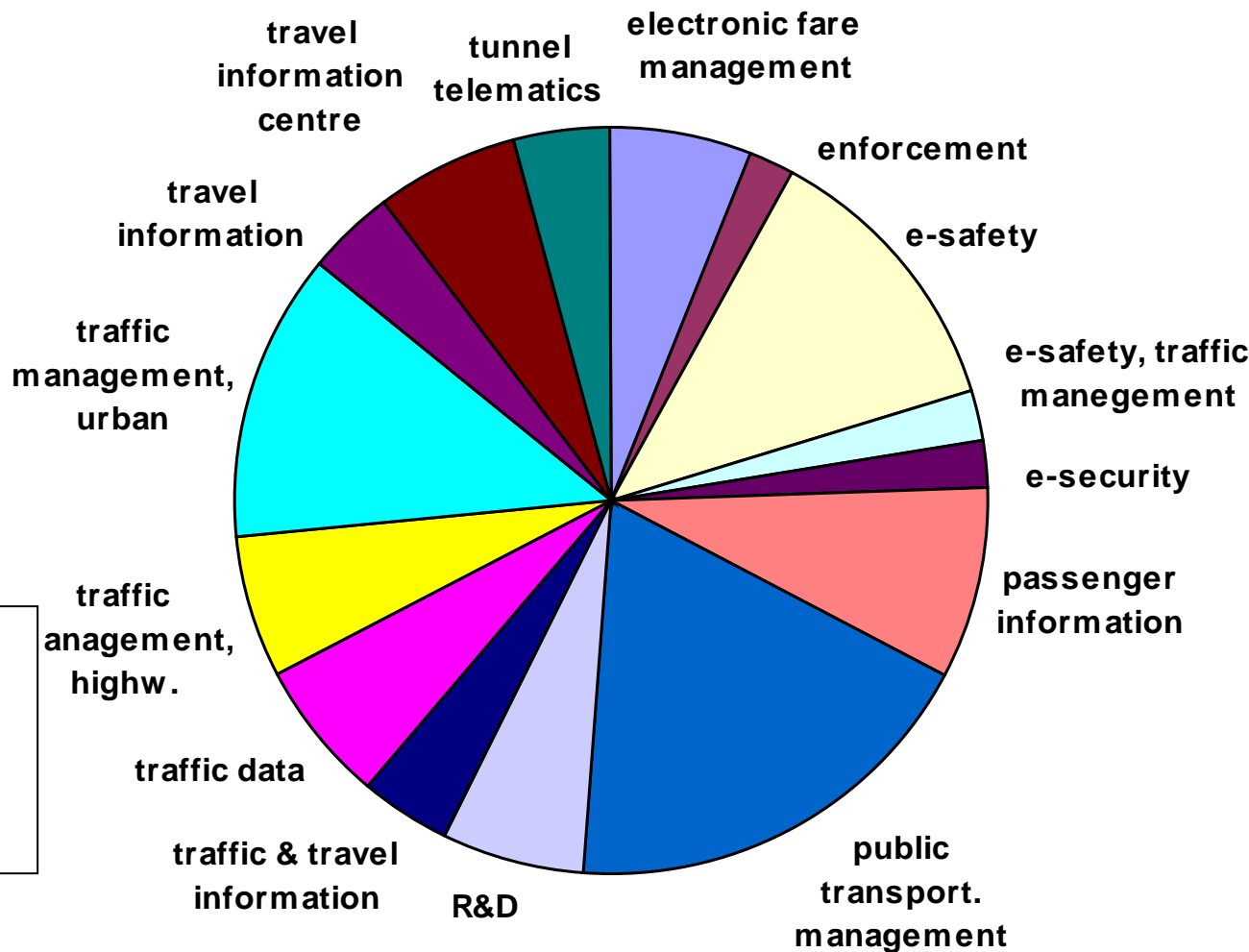
Cars



CZ ITS Report 2011

acc. 40/2010/EU Directive

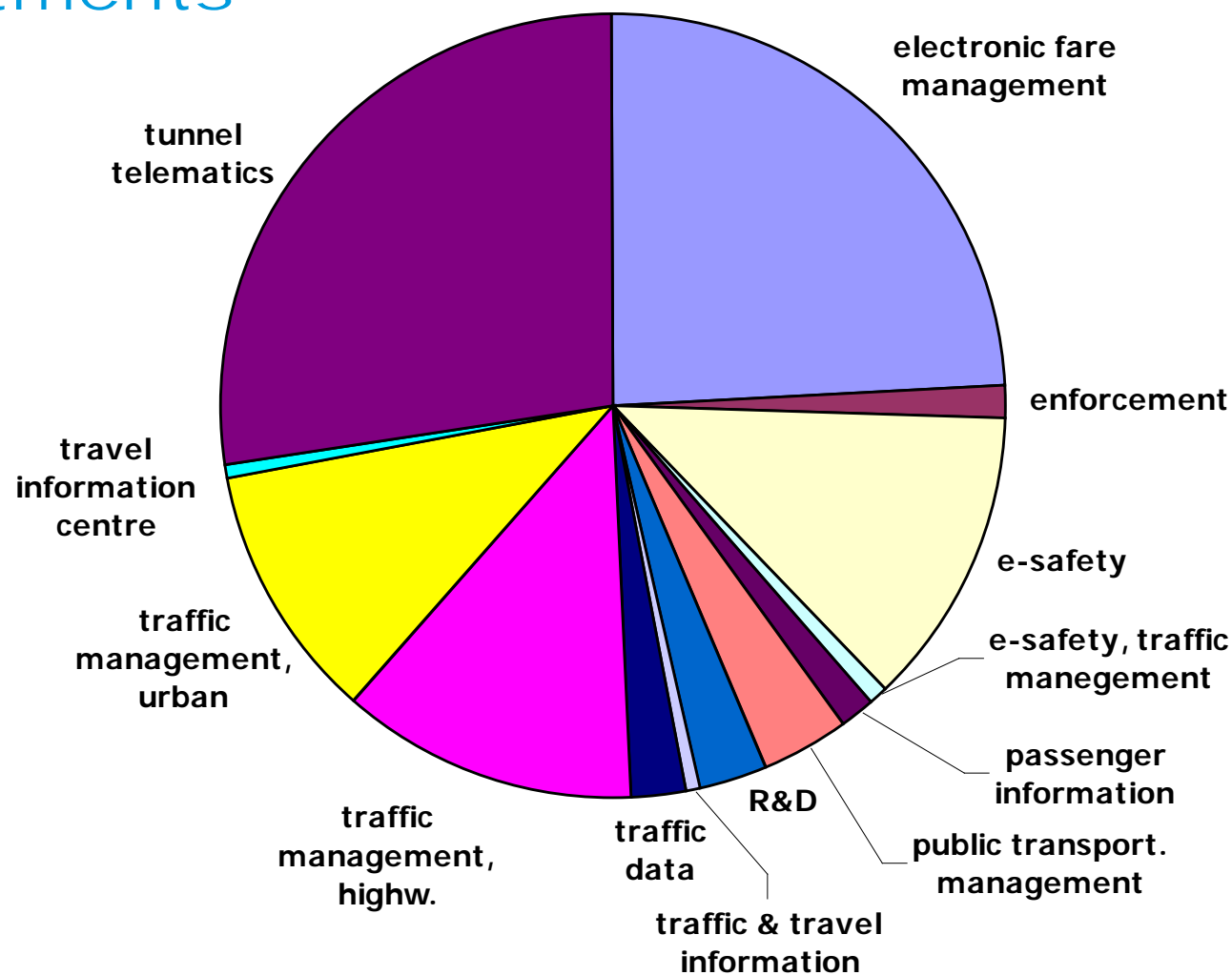
49 projects



Rem:
ETC - National tolling system is not a part of the Report



Czech Rep. ITS Investments



Total > 500 mil. €

Remark:

ETC extra. Total investment and operational costs,
10 years = 0,68 bil. EUR = 22% of revenue



Main Czech ITS project

RDS projects marked by a text in blue

Invest. Mil. EUR	Present stage of project	Project Category	Project/Activity Name
145,8	implemented	tunnel telematics	Telematics in highway and expressway tunnels
125,0	implemented	electronic fare management	Electronic Fare Management Systems
45,8	Implemented & planned	traffic management, highw.	Info portals and VMS system on highways / expressways
33,3	Implemented & planned	e-safety	Meteo and Wintermaintenance system on HW & 1 st class
27,3	implemented	traffic management, urban	Prague Traffic Management Systems
24,2	implemented	e-safety	eSafety improvements in Prague city
16,7	planned	traffic management, urban	Traffic Management & Safety in Brno city
14,6	implemented	traffic management, highw.	In-line dynamic traffic management on Prague HW ring & D1 WH
11,3	running project	R&D	RODOS R&D public private competence centre
10,7	Planned	traffic management, urban	Traffic Management & Safety in Ostrava city

ETC is a special ITS project based on PPP partnership.

Total investment and operational costs, 10 years = **680 Mil. EUR** = 22% of revenue

Future RSD plans

Important projects

- ITS modernization on highway D1
- ITS on expressway R10 and R46
- Modernization of SOS call on highway D2
- On-line data from traffic counters
- Upgrade Meteo with CCTV
- On-line ITS monitoring



Thank you.

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