



Czech Tolling Experience

Filip Linhart

ITS&S Czech Republic (SDT ČR)

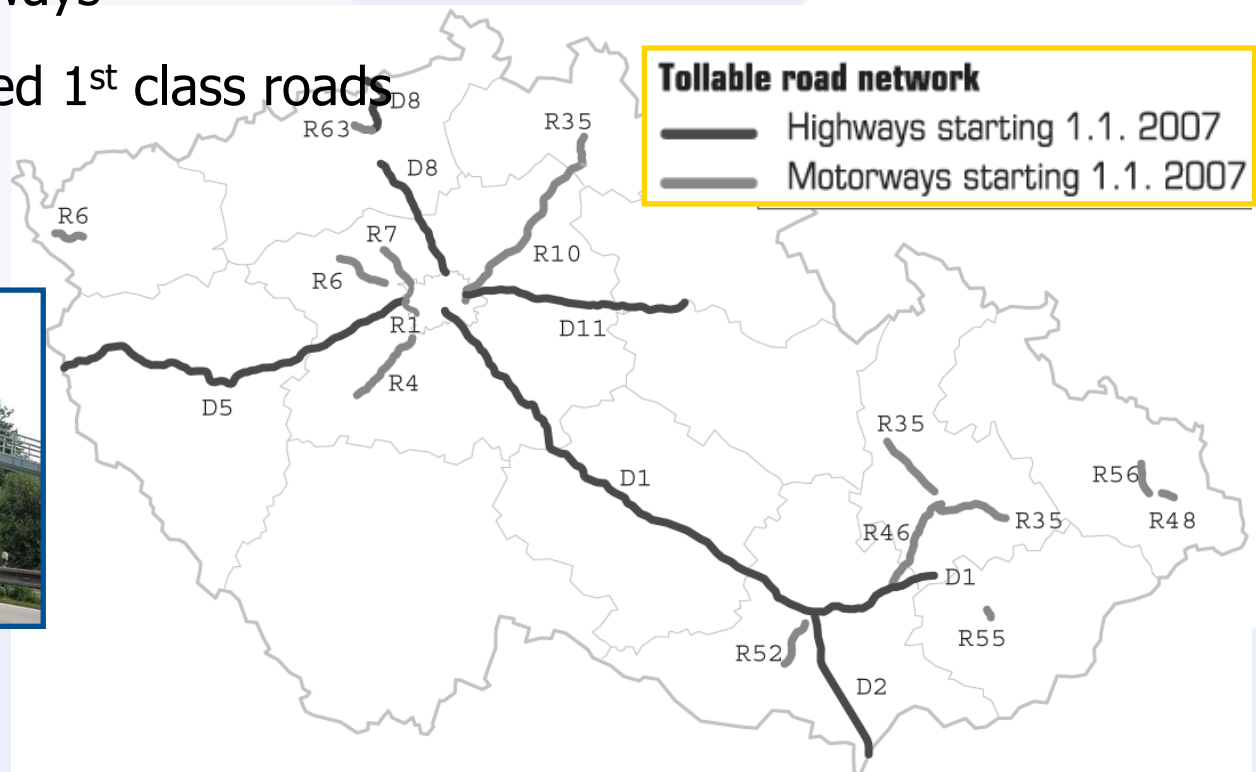
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e-Toll System in Czech Republic

Currently more than 1000 km is tolled

- Highways
- Motorways
- Selected 1st class roads



The System is Based on Microwave

ETC based on DSRC technology

Number of gantries		172
Number of enforcement gantries	Full	12
	Half	13
Number of mobile enforcement vehicles		25
Number of portable enforcement sets		8
Number of contact points		14
Number of distribution points		168



The Tender Was Called in July 2005 and 4 Offers Were Submitted

C-WAY	A-WAY, Efkon, Egis, Reiffeisen Informatik Consulting, AŽD Praha
Mytia	Fela, Ascom, Damovo, ABD Group
Kapsch	Kapsch TraffiCom, Kapsch Telematic
Autostrade	Autostrade

Tendering Procedures and Appeals

16.11.2005	Kapsch declared the winner
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1 st appeal	Autostrade, Mytia
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Result	Previous decision confirmed
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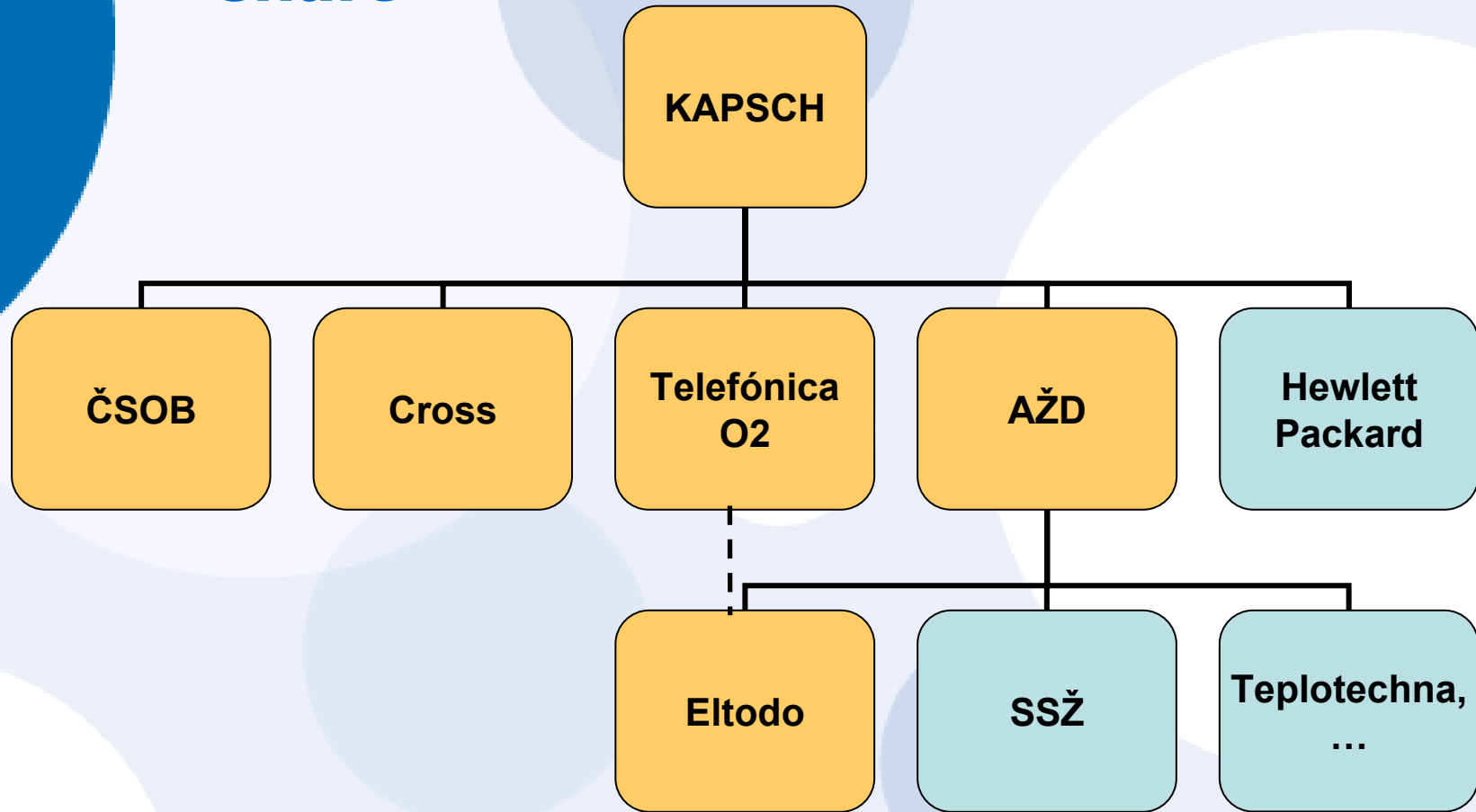
2 nd appeal	Autostrade
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Result	Previous decision confirmed
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Administrative court appeal	Autostrade
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29.03.2006	Contract with Kapsch signed
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Implementation Organisational Chart



 *Members of ITS&S Czech Republic (SDT ČR)*

Roles

Kapsch

- Central system
- Tolling technology and equipment, OBUs

AŽD Praha

- Tolling and enforcement gantries infrastructure

Telefónica O2

- Data communication
- Call center, hosting, printing center

Cross Zlín

- Mounting and service

ČSOB

- Financing and billing
- Operation of distribution points

Eltodo

- Engineering, building operations, electric lines

Building Up Process



Facts from Tender and Implementation

- **The implementation took the same time as appeals (9 months each)**
- **The elections took place during implementation and government changed**
- **E-Toll tender became hot topic in media**
- **New technologies were in the game (satellite based tolling)**

Obstacles on the Way

- **Always take into account the worst scenario 😊**
- **The biggest problems are various permits, mainly building approvals and rights of way**
- **The time for implementation was very short**
- **Companies from different countries speaking various languages had to be coordinated**
- **All of this under big political and media pressure**

Summary – Lessons Learned

- **Make the tender as transparent as possible. During preparation do not underestimate advice of the experts.**
- **The most importation is clear definition of the goals of the e-toll system, discussion about used technology is far less important**
- **Provide enough time for implementation**
- **Is important to pay attention to clear and qualified communication with media**

Looking forward to our co-operation!

- www.sdt.cz
- f.linhart@sdt.cz
- SDT Prague office:
Ohradní 65, 140 00
Prague 4
Czech Republic

