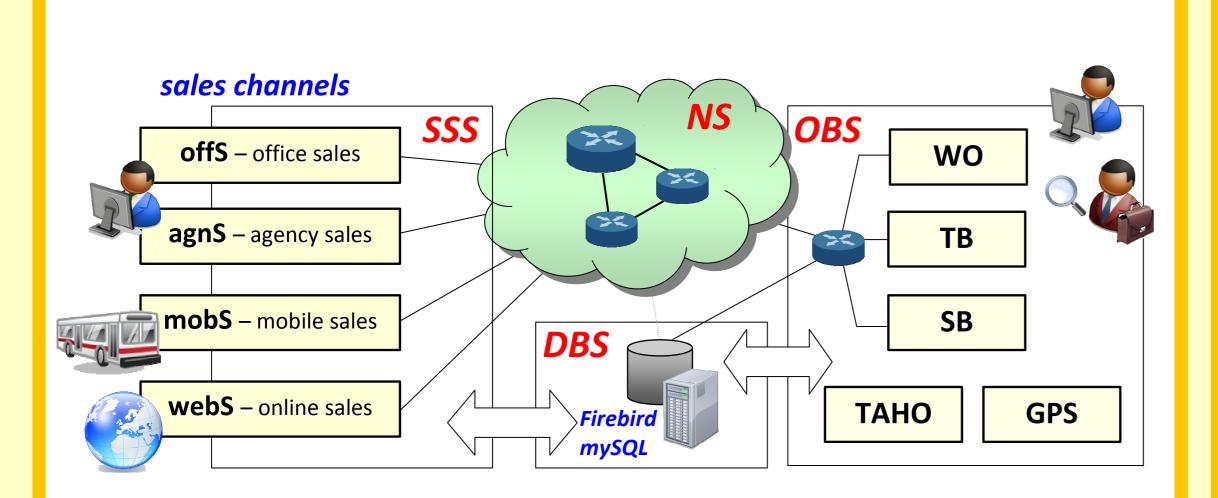
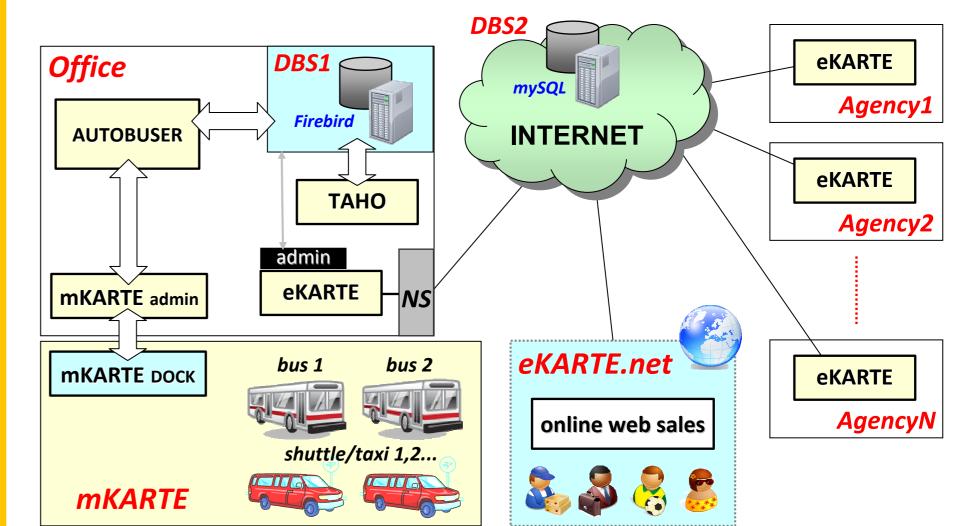
ON DEVELOPMENT OF BACK-OFFICE SYSTEM FOR BUS TRANSPORT COMPANIES

Our article proposes a model of a back-office system for bus transport companies and describes a case study and implementation of such a system in a mid-sized Croatian bus transport company • This poster gives an overview of subsystems and functional blocks of both proposed and case study model

PROPOSED MODEL • PM

CASE STUDY MODEL • CSM





SUBSYSTEMS/MODULES

NS – Networking Subsystem

- standard telecommunication systems
- access and interconnection systems

SSS – Sales Subsystem

• different sales channels

eKARTE, mKARTE, eKARTE.net/iKarte (web)

DBS – Database Subsystem

OBS – Office/Business Subsystem

- back-office core + administration
- WO worksheets and travel orders
- TB transportation block/module
- SB sales support block

AUTOBUSER, IB.TAHO, mKARTE.Admin

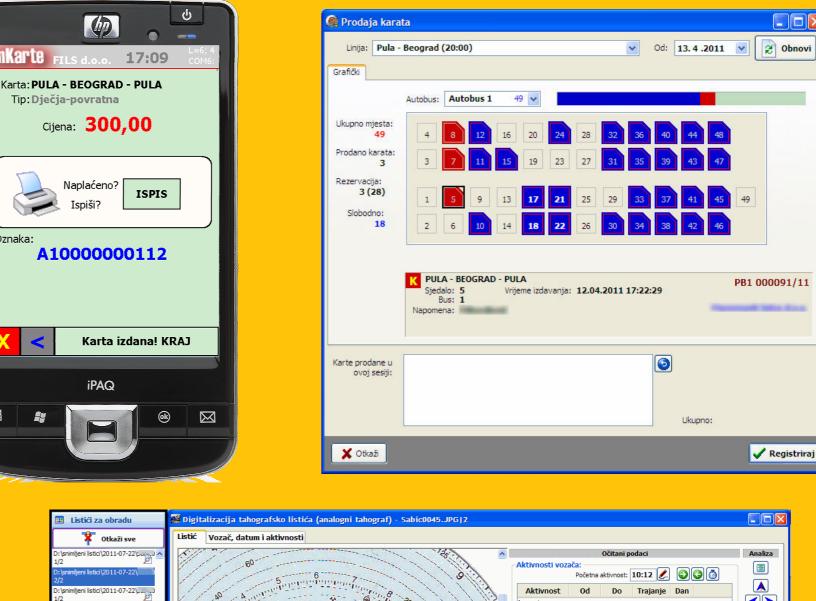
CONCLUSION

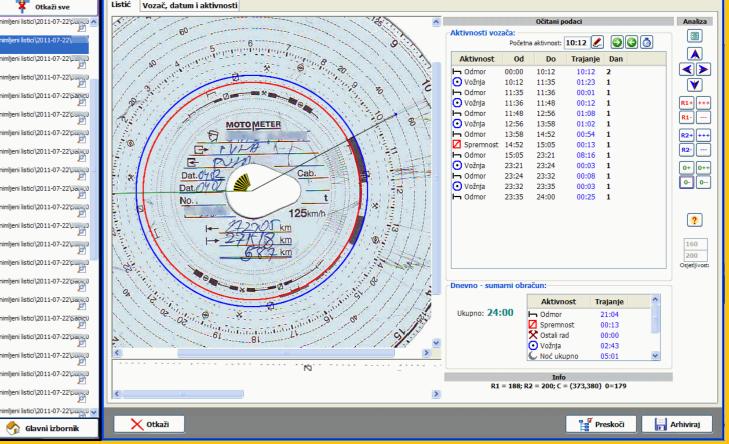
CSM in production since 2007.

- 5 years of constant usage and deployment
- differences between PM and CSM due part-by-part development and planning
- satisfactory scalability, reliability and availability despite low-cost network and equipment

User interface

Desktop • Mobile • Web Applications





customer business optimized

- increased efficiency and productivity
- on-demand development
- increased expectations (satisfied customer)

future work

- new mobile/smart phone technologies support
- customer requests + internal CSM optimizations

Linija:	D D	••••••••••••••••••••••••••••••••••••	Cobno	vi						
Karta:		~								
Tvrtka:		*								
Pregled i obračun										
🗌 Sumarno za razdoblje (ne po danima) 🛛 -otkaza	ne						π	p karte: svi tip	oovi karata	_
Datum Naziv (relacija)	Količina	Cijena Valuta	Ukupno	Ukupno km	Km u državi	Prihod HR	Osnovica HR	Porez	Ostali priho	die
01.01.2011 PULA - BEOGRAD - PULA	3	600,00 HRK	1.800.00	1.360.00	1,112.00	1.471,76		275,21	328,24	
03.01.2011 PAZIN - MESTRE	1	139,00 HRK	139,00	230,00	44,00	26,59		4,97	112,41	
03.01.2011 PAZIN - TRST	2	60,00 HRK	120,00	88,00	44,00	60,00	48,78	11,22	60,00	J M
03.01.2011 PAZIN - TRST - PULA	1	126,00 HRK	126,00	223,00	135,00	76,28	62,01	14,26	49,72	! M
03.01.2011 PULA - BEOGRAD	3	360,00 HRK	1.080,00	680,00	556,00	883,06	717,93	165,12	196,94	FI
03.01.2011 PULA - BEOGRAD - PULA	2	510,00 HRK	1.020,00	1.360,00	1.112,00	834,00	678,05	155,95	186,00) Fl
03.01.2011 PULA - BEOGRAD - PULA	2	600,00 HRK	1.200,00	1.360,00	1.112,00	981,18	797,70	183,47	218,82	! FI
03.01.2011 PULA - PAZIN	4	25,00 HRK	100,00	47,00	47,00	100,00	81,30	18,70		М
03.01.2011 Pula -Vodnjan - Pula	3	18,00 HRK	54,00	20,00	20,00	54,00		10,10		М
03.01.2011 Pula-Vodnjan	1	15,00 HRK	15,00	10,00	10,00	15,00	12,20	2,80		М
03.01.2011 Vodnjan - Zagreb	1	118,00 HRK	118,00	251,00	251,00	118,00	95,93	22,07		М
03.01.2011 Vodnjan - Zagreb - Vodnjan	3	191,00 HRK	573,00	502,00	502,00	573,00	3.00.00	107,15		M
04.01.2011 PAZIN - MESTRE	1	139,00 HRK	139,00	230,00	44,00	26,59	21,62	4,97	112,41	
04.01.2011 PAZIN - TRST	1	60,00 HRK	60,00	88,00	44,00	30,00	24,39	5,61	30,00	(M
										_
Karata: 705 (o:32) Naplaćeno:	Porez: Osnovica:		Prihod tuzem Prihod inozemr							
Ispis izvještaja Km ukupno: 195027,00	Tuzemni:	157361,00	Inozem	Inozemni: 37666,00						

AUTHORS

Matija Mikac • Polytechnic of Varaždin, Croatia • matija.mikac@velv.hr Vladimir Mikac • Inter-biz Varaždin, Croatia • vmikac@inter-biz.hr



VELEUČILIŠTE U VARAŽDINU

Polytechnic of Varaždin