

MOBILE SOFTWARE SOLUTIONS

Giedrius Slivinskas
UAB "Blue Bridge"



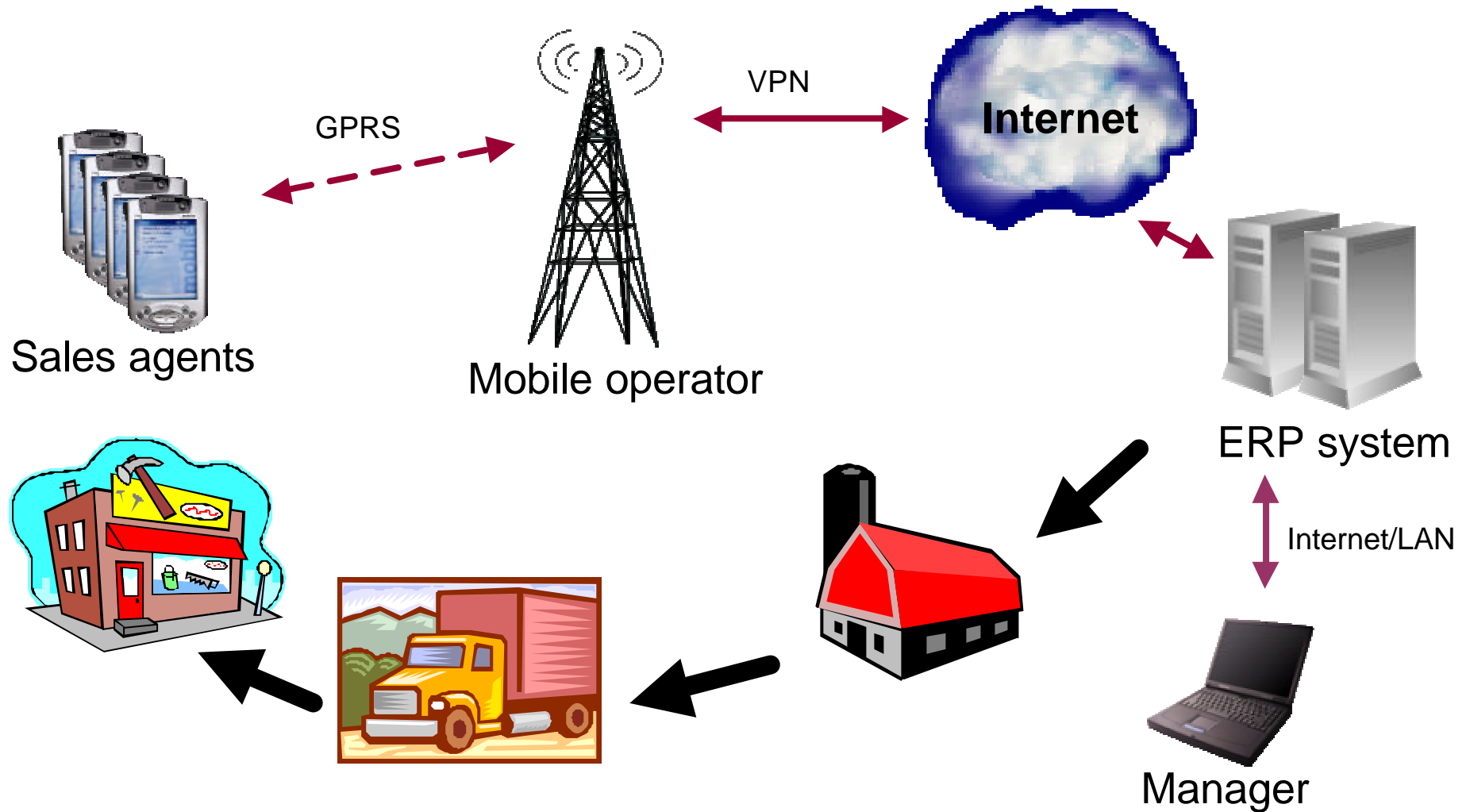
Mobile Software Solutions

M-partner: mobile system for sales agents

M-patrol: mobile system for emergency vehicles

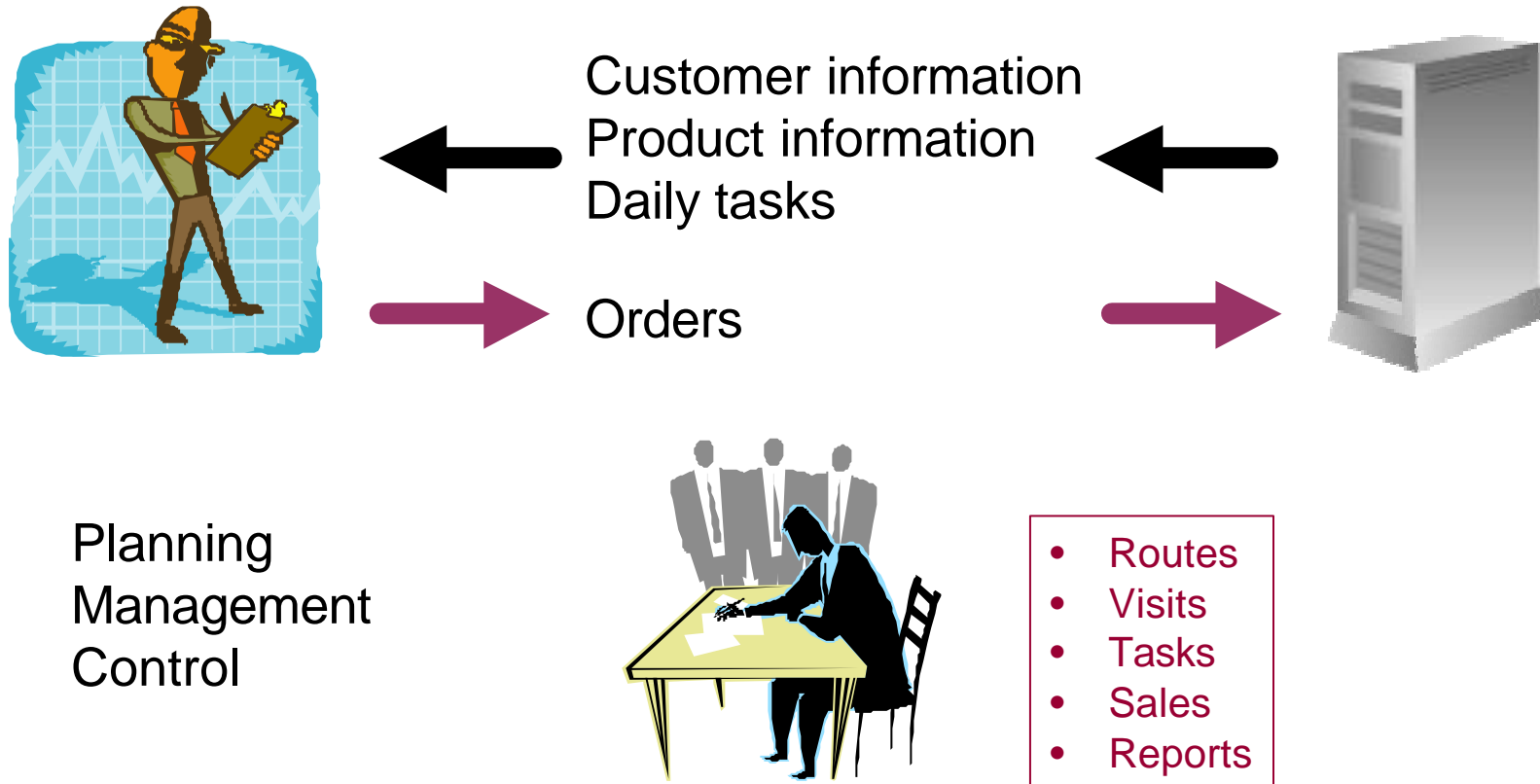


Architecture



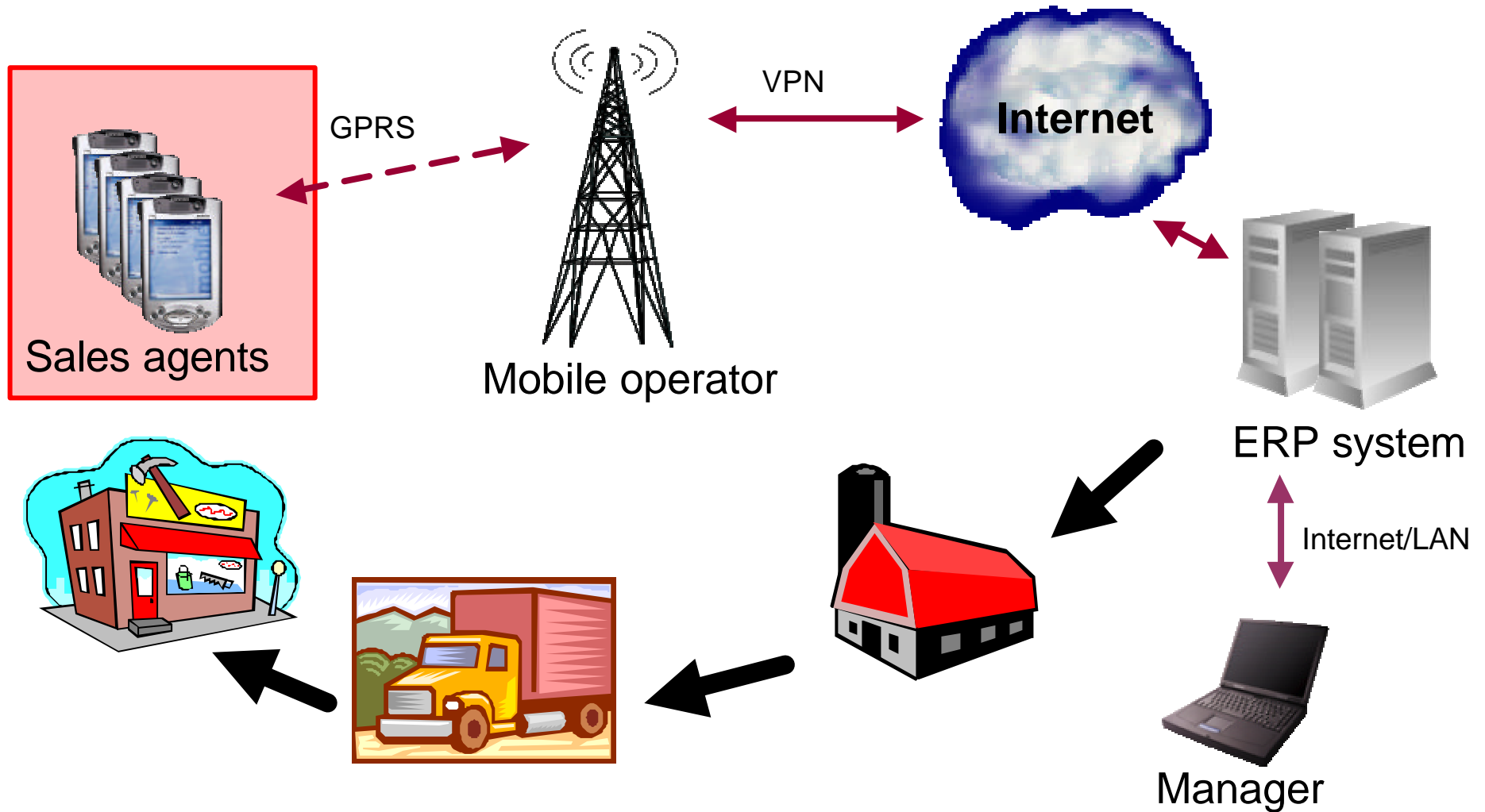


Functionality





PDA Application





PDA application

Klientai 4:20p

Šios dienos vizitai
 antradienis
 pirmadienis
 VILNIUS

- UAB "Kerista"
 - Padaryti užsakymą
 - Pildyti anketas
- UAB "Kuras"
- UAB "Motiejus"
- UAB "Staklija"
- UAB "Tikima"
- UAB "Ukmedė"

Adresas: Gailių 18
Kredito riba: 1200 Skola: 900

Klientų sąrašas Maršrutai

Komandos

Suformuotas užsakym 7:07p

Užsakymo nuolaida, %:

	Kaina	Kiekis
"Diesel" PE	25.12	2
"Orange"	12.56	26
"Rasa"	12.56	123
"Anti Tobacco" PE	25.12	15
"JVC"	345.00	2
"Panasonic"	255.00	1
"Dewoo" PE	25.12	1

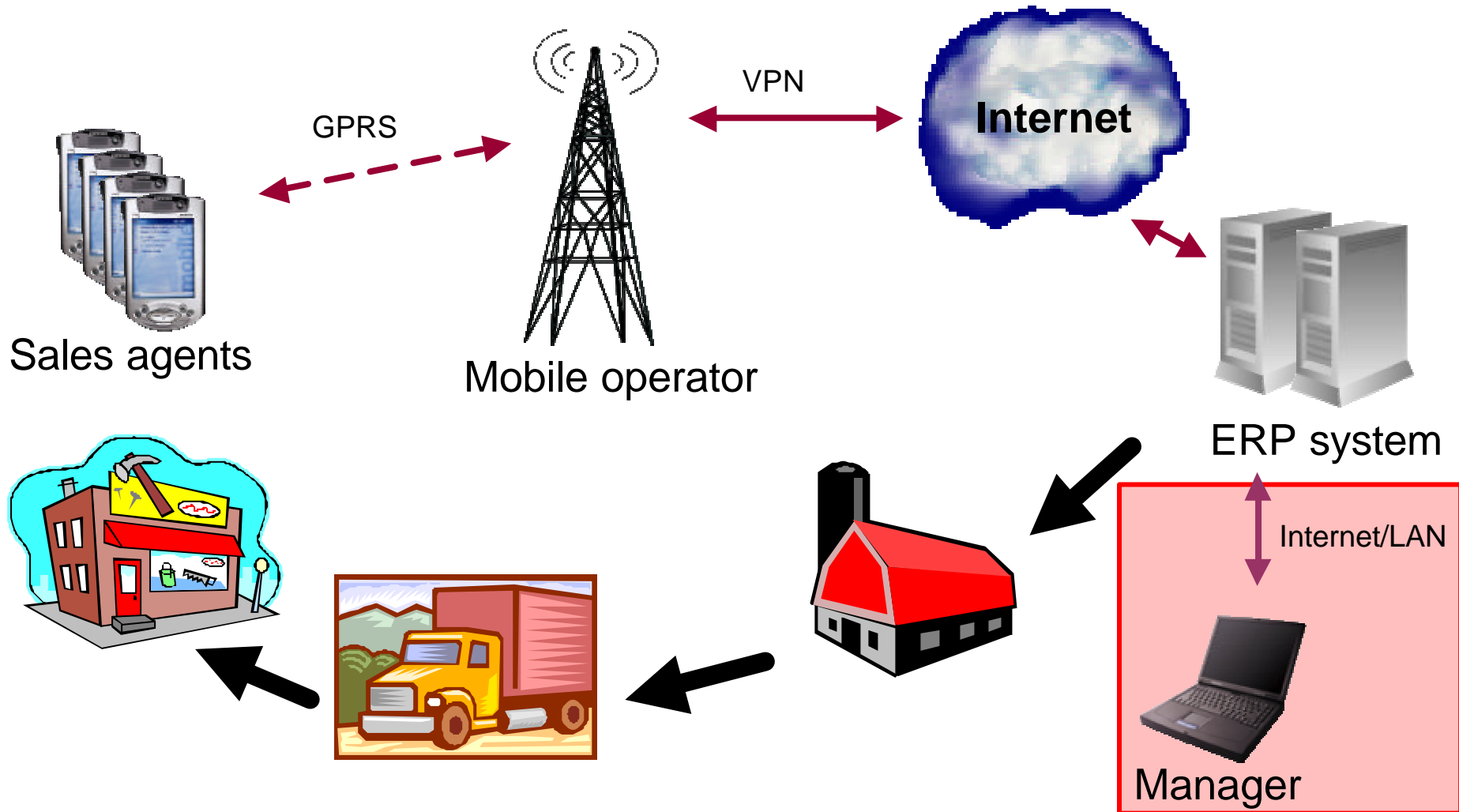
Užsak. kiek.: 0/6/0 Suma: 2754.57
Sandėlis: 1500 Kiekis p., vnt: 1
Kaina su nuolaida, Lt: 25.12 - 3% = 24.37

Prekių grupės Užsakymas Pastabos

Komandos



Manager application





Manager application

Vizitai



Turinys

Trečiadienis, Gegužės; 29, 2002

Klientas	Darbuotojas	Data	Atvykimo laikas	Trukmė	Kelias	Užsakymas
Visi įrašai 2002.05.23						
Į "Šaltinis"	Petras Petraitis	2002.05.23	21:33	2	0	X
UAB "Motiejus"	Petras Petraitis	2002.05.23	21:22	11	251	X
UAB "Junma"	Petras Petraitis	2002.05.23	17:10	1	435	X
UAB "Oreita"	Petras Petraitis	2002.05.23	09:55	0	1	X
UAB "Ukmedė"	Petras Petraitis	2002.05.23	09:53	1	5	X
UAB "Krilona"	Antanas Antanaitis	2002.05.23	09:47	1	1	X
Į "Šaltinis"	Petras Petraitis	2002.05.23	09:45	1	1	X
Į "Ansėja"	Petras Petraitis	2002.05.23	09:43	1	4	X
UAB "Krilona"	Petras Petraitis	2002.05.23	09:38	1	2	X
UAB "Tikima"	Jonas Jonaitis	2002.05.23	09:35	1	2	X
UAB "Staklija"	Petras Petraitis	2002.05.23	09:31	2	5	X
UAB "Oreita"	Antanas Antanaitis	2002.05.23	09:26	0	10	X
UAB "Kuras"	Jonas Jonaitis	2002.05.23	09:16	0	3	-
UAB "Liepsnelė"	Jonas Jonaitis	2002.05.23	09:12	1	1	X
UAB "Krilona"	Petras Petraitis	2002.05.23	09:10	1	3	X
				70 (2)	901 (30)	26 / 30

[>>]

[Perkelti į Excell'į]

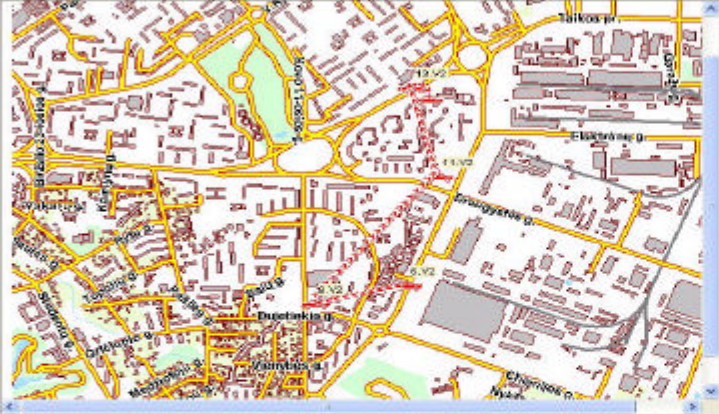


Manager application

EXTRA Žemėlapis

Įrašyti → Pagalba

Privačumas, Spalis 28, 2002



Atnaujinti žemėlapią Spausinti žemėlapią

<input type="checkbox"/>	1.	2003.10.17	09:41	V2	Amžinasis judėjimas UAB "Nytis" pr. 26, Kaunas
<input type="checkbox"/>	2.	2003.10.17	09:48	V2	
<input type="checkbox"/>	3.	2003.10.17	09:52	V2	Klaipėda UAB Nr. 2 "Nytis" pr. 11, Kaunas
<input type="checkbox"/>	4.	2003.10.17	09:52	V2	
<input type="checkbox"/>	5.	2003.10.17	10:29	V2	UAB Lukoil-Baškavicius TAUNAS, Baršausko g. 64*
<input checked="" type="checkbox"/>	6.	2003.10.17	10:52	V2	
<input type="checkbox"/>	7.	2003.10.17	10:57	V2	4019000000 Kovo 11-osios g. 20
<input checked="" type="checkbox"/>	8.	2003.10.17	10:58	V2	
<input checked="" type="checkbox"/>	9.	2003.10.17	11:12	V2	Daria UAB "Saulė" g. 50, Kaunas
<input type="checkbox"/>	10.	2003.10.17	11:26	V2	X-350 Maxima Pramonės 29
<input checked="" type="checkbox"/>	11.	2003.10.17	11:27	V2	
<input type="checkbox"/>	12.	2003.10.17	11:37	V2	Trys bei keturi UAB PC Trys bei keturi (AI) "Tilto" pr. 113, Kaunas
<input checked="" type="checkbox"/>	13.	2003.10.17	11:37	V2	
<input type="checkbox"/>	14.	2003.10.17	11:48	V2	Kikino 36-asis paštas "Tilto" pr. 113, LT-3006 Kaunas
<input checked="" type="checkbox"/>	15.	2003.10.17	11:48	V2	
<input checked="" type="checkbox"/>	16.	2003.10.17	11:51	V2	
<input type="checkbox"/>	17.	2003.10.17	11:59	V2	Virtus-Netis AB "Pranoros" pr. 37, Kaunas
<input checked="" type="checkbox"/>	18.	2003.10.17	12:00	V2	
<input type="checkbox"/>	19.	2003.10.17	13:09	V3	Satelit Darna vis "Pranoros" pr. 15
<input type="checkbox"/>	20.	2003.10.17	13:30	V3	
<input type="checkbox"/>	21.	2003.10.17	13:34	V2	
<input type="checkbox"/>	22.	2003.10.17	13:01	V3	Kauno Spaudleivis AB (Alfa) "N. Jurevičiaus" pr. 97, Kaunas
<input type="checkbox"/>	23.	2003.10.17	13:04	V3	
<input type="checkbox"/>	24.	2003.10.17	13:05	V3	
<input type="checkbox"/>	25.	2003.10.17	13:09	V2	Lank UAB (degalinis) "Partizanų" g. 6, Kaunas
<input checked="" type="checkbox"/>	26.	2003.10.17	13:09	V2	

Paštevė visus

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Done

start Inbox... Winda... PMP... Drive... 2 Wb... 30.0... 80... 2 Int... 4:35 PM



Challenges

- Choice of “correct” database platform (MS SQL Server CE, Sybase, Oracle Lite)
- Stability of GPRS data transmission



Challenges

[MS SQL Server]

- Not very flexible replication design
 - all column-level and table-level changes are always propagated to PDAs

Publication for replication:

table Orders

table Customers

table Products

table Stock

...



Challenges

[MS SQL Server]

- Sensitiveness to schema changes
 - Addition/removal of columns and tables
- Imperfect data merging algorithms
 - may be slow on the server
 - may fail to transfer correct data to PDAs



Mobile Software Solutions

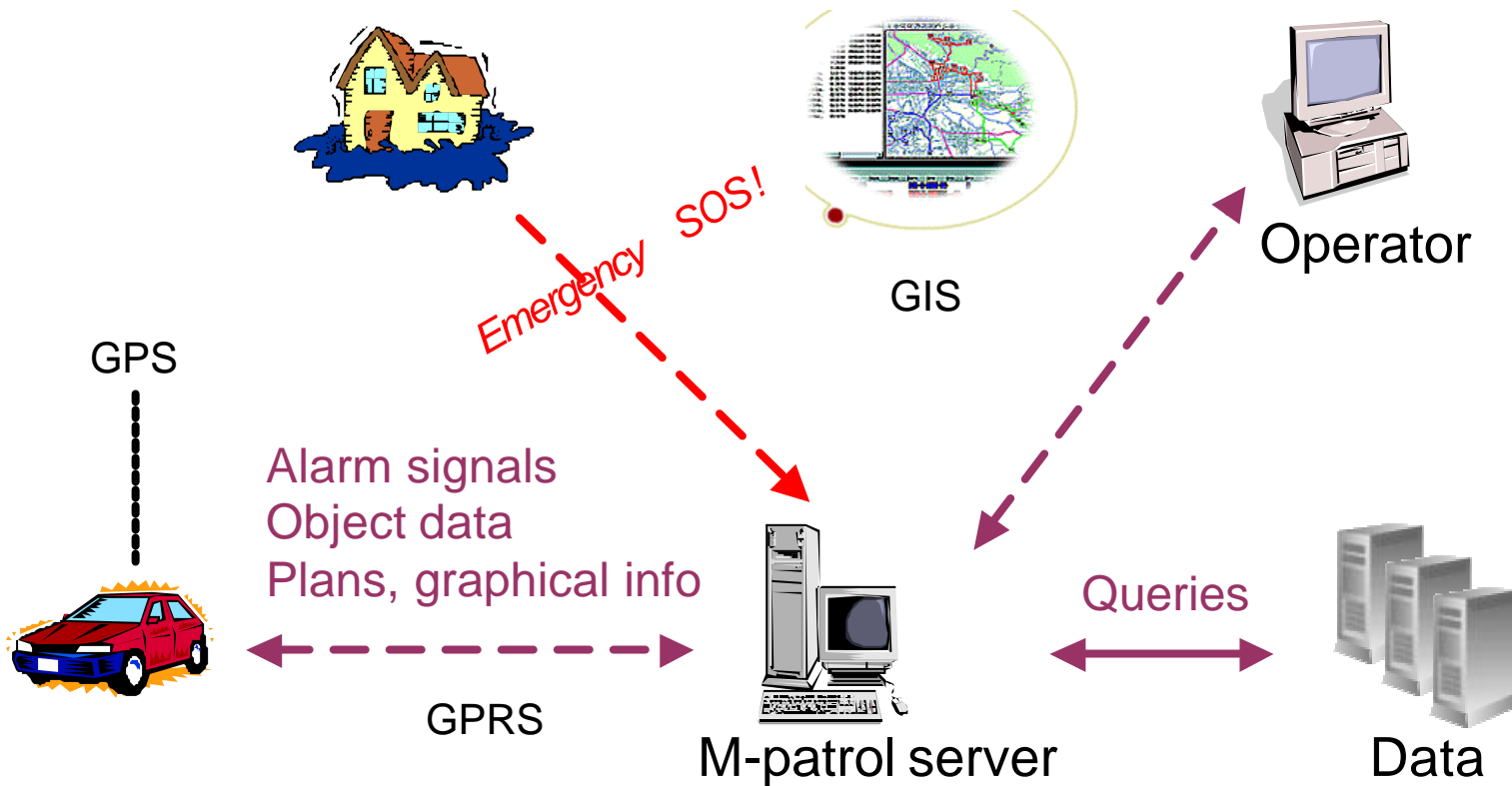
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M-patrol: mobile system for emergency vehicles



Architecture

- Mobile system for emergency vehicles





In-vehicle Application





Challenges

- Finding cheap but reliable in-vehicle PC
- Minimize data to be transmitted via GPRS



Customer Feedback

- Customers increase the number of mobile users
- Users like to be mobile
- Customers achieve a new level of work organization and reduce expenses



Contact information

www.bluebridge.it

www.silvernet.it