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# Vehicle Inspection Information System in the Slovak Republic

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# Vehicle inspection information system

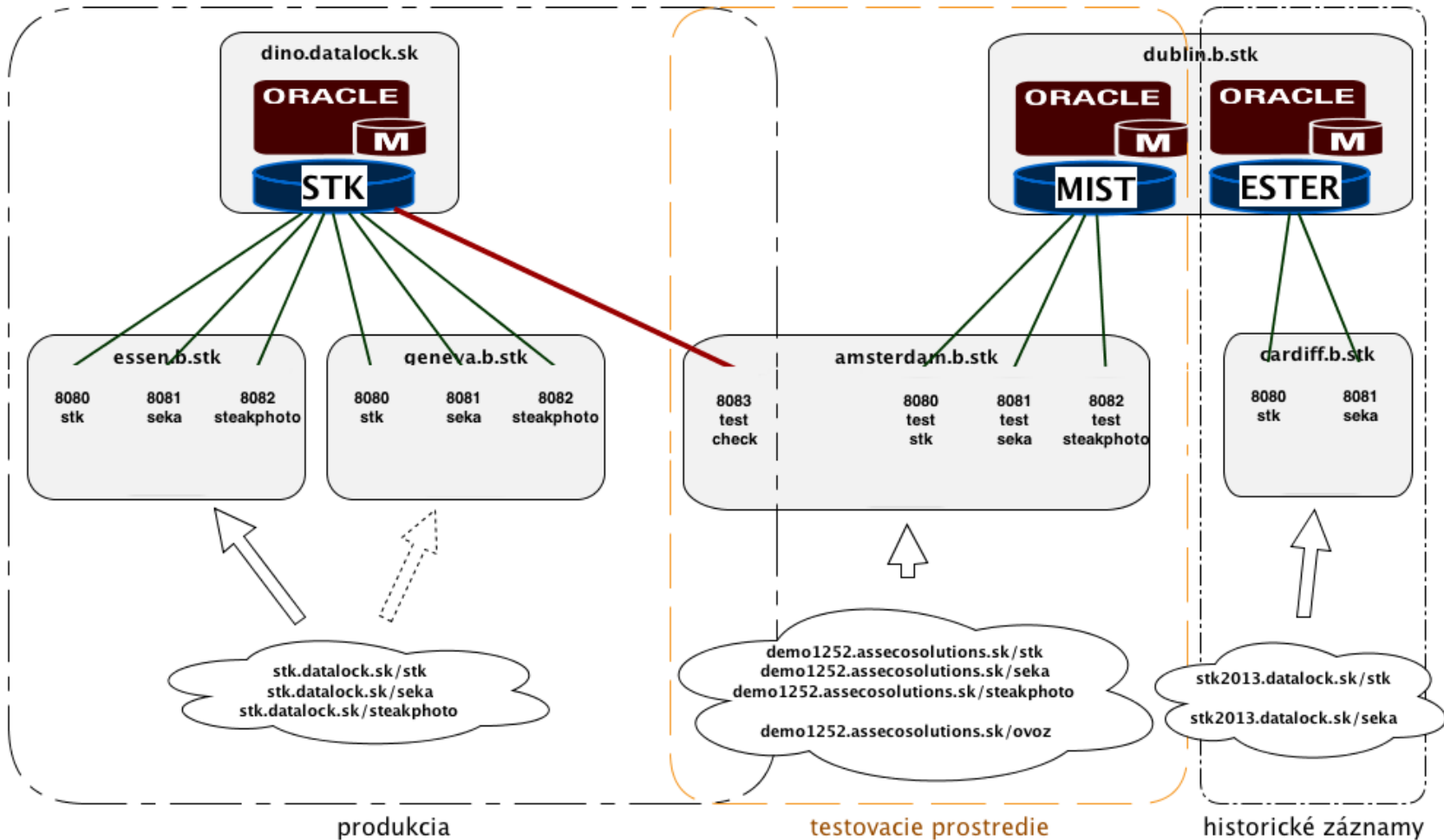


- Data of all vehicle technical inspections and emission checks performed in Slovakia are stored in an extensive database accessible through the World Wide Web
- It is part of the central vehicle inspection information system, a modern web client - server application
- The system's database is always in up-to-date state, because data are inserted at the same time as the inspection is performed
- State authorities can therefore easily supervise inspectors' work in real-time regime and use the stored data for enforcement of vehicle inspections regulations



- TESTEK started the development of the information system for technical inspections in January 2006 in co-operation with software company DATALOCK (today Asseco Solutions)
- One month later, with the system's extension for emission checks, S-EKA joined the partnership
- Since beginning of 2007, the system is used by all vehicle inspection stations and emission check workstations over the country
- Today the system has 131 active PTI stations and 298 active emission check stations, cca. 2200 active users and stores cca. 14 500 000 records.

# Structure



# Communication with roller brake testers



Application server + database

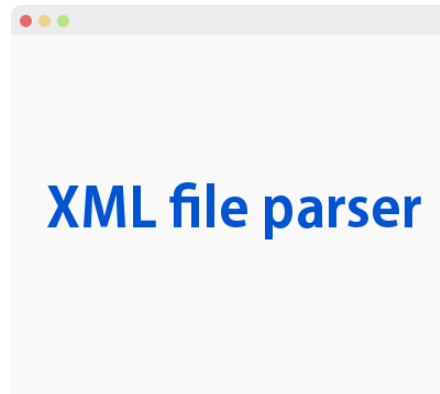


Brzdné sily a účinok brzd			
<b>1 B<sub>v</sub></b>	L: 10.92	R: 9.19	kN
<b>1 p<sub>o</sub></b>	380	984	kPa
<b>1 B<sub>p</sub></b>	L:	R:	kN
<b>2 B<sub>v</sub></b>	L: 10.16	R: 10.29	kN
<b>2 p<sub>o</sub></b>	414	944	kPa
<b>2 B<sub>p</sub></b>	L: 11.7	R: 8.45	kN
<b>f<sub>o</sub></b>			N

# Communication with emission testers

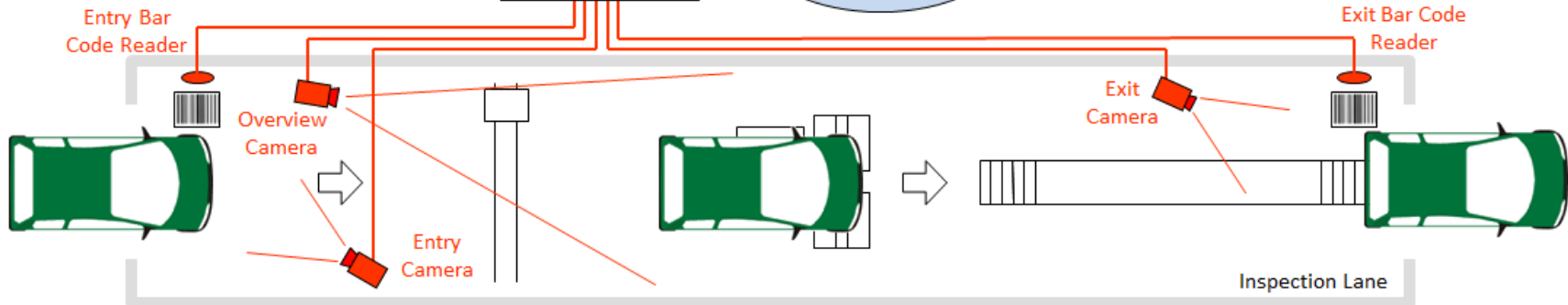
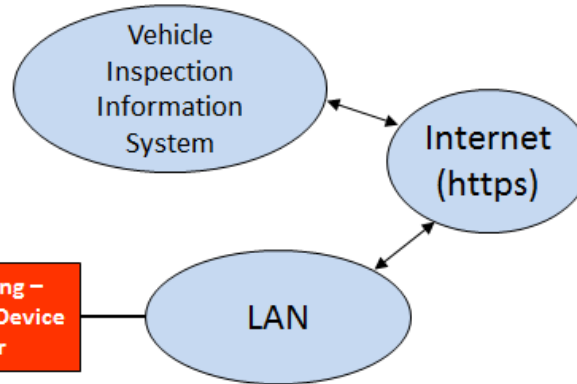
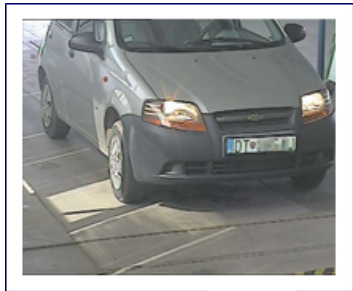


Application server + database



Voľnobežné otáčky					
Parameter	Min	Max	Namerané	Import	
Teplota motora	[°C]	60	<input type="text" value="71.0"/>	<input checked="" type="checkbox"/>	71
Voľnobežné otáčky	[min-1]	510 810	<input type="text" value="750.0"/>	<input checked="" type="checkbox"/>	750
Obsah CO	[%]	0,2	<input type="text" value="0.067"/>	<input checked="" type="checkbox"/>	0,067
Obsah HC	[%]	100	<input type="text" value="28.0"/>	<input checked="" type="checkbox"/>	28
Zvýšené otáčky					
Parameter	Min	Max	Namerané	Import	
Zvýšené otáčky	[min-1]	2300 2700	<input type="text" value="2440.0"/>	<input checked="" type="checkbox"/>	2440
Obsah CO	[%]	0,2	<input type="text" value="0.026"/>	<input checked="" type="checkbox"/>	0,026
Hodnota lambda	[-]	0,97 1,03	<input type="text" value="1.002"/>	<input checked="" type="checkbox"/>	1,002

# Automated vehicle inspection monitoring



The End



Thank you for your attention.