

CAN Bus – Real-time monitoring of vehicle status



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What are we doing?

- Transport companies own many vehicles, which they have to keep information about
- Vehicles are equipped with **CAN bus**, which provides data from sensors in vehicle
- We collect data provided by CAN bus
- Data are evaluated



Example frame:

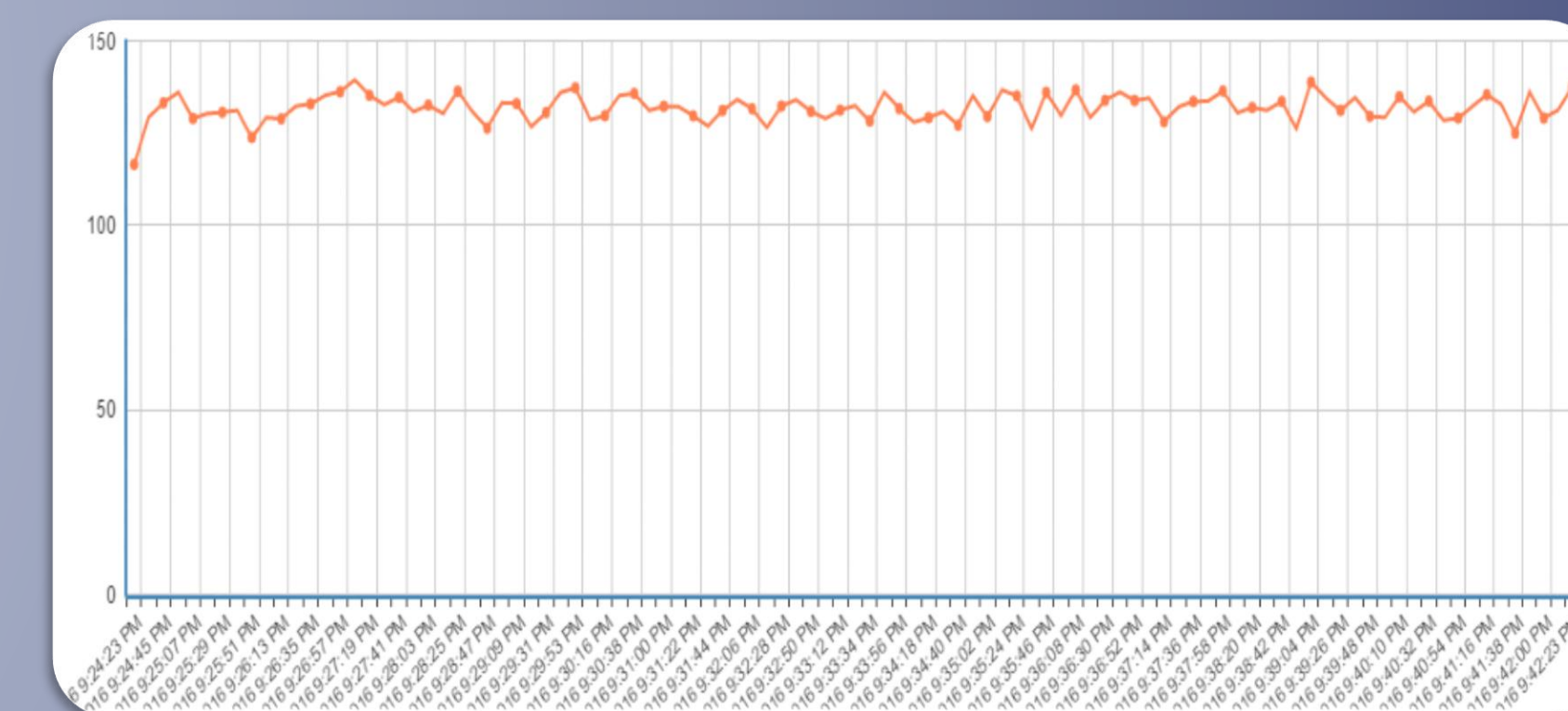
```
AT+QLCANINFO=00,2,13728.3km,0.02l,,28.4%
,,0km/h,1073rpm,0.0%,51C,25s,0s,25s,0.02l,,
,66,,0,,, <CR><LF>
```



Reporting results

- Data are stored in MongoDB
- We use existing reporting tool **SLAMDATA**

Examples of application



Reported data in SlamData tool

Features!

- Application is **fully configurable**
- Allow to **configure**, which data should be collected, what to **log** and many other things. See example.
- Data visible for driver of vehicle are store in database and available for statistical use
- Everything is logged and divide into audit and technical log

Example of configuration

	Vehicle speed	144	km/h
	Engine speed	1042	rpm
	Coolant temperature	0	°C
	Fuel percentage	88	%
	Range	12901	km
	Accelerator pedal pressure	30	%

Displayed data in vehicle



Linux



mongoDB



FUNTORO
msi corporation