DeepBlue v2t
Core

DeepBlue Core is the trafficnow centralized software for interpreting wireless probe data in the most efficient way for providing robust travel-time information for motorized vehicles during all traffic conditions. The system is designed for generating **travel times, congestion alarms and traffic data**. The Core uses real-time data quality assessment, and adapts the data intervals according to the statistical probe quality. The system offers a series of different algorithms and filters to adjust to all types of roads and infrastructure.

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DeepBlue v2t Core

DATA

Optimized for DeepBlue & RTMS
Advanced algorithms for travel-time generation
Congestion alarms and warnings
Multi-algorithmics for diverse infrastructure
Quality Factor for statistics diagnostics
Automatic adaptive intervals
Traffic data including numerours reports

SETUP/SYSTEM

Web-based solution
Different User levels
Multi-language support
Multiple simultaneous sessions
GPS –based setup
Linux, MySQL
Local install at Traffic control center
Clouding at Virtual Control Center
IP-based network; FTP, SSH, TCP Socket

DIAGNOSTICS

Health monitoring
Battery level alarms
Data transfer logs
Reboot logs
Modem diagnostics
Dynamic IP-updates
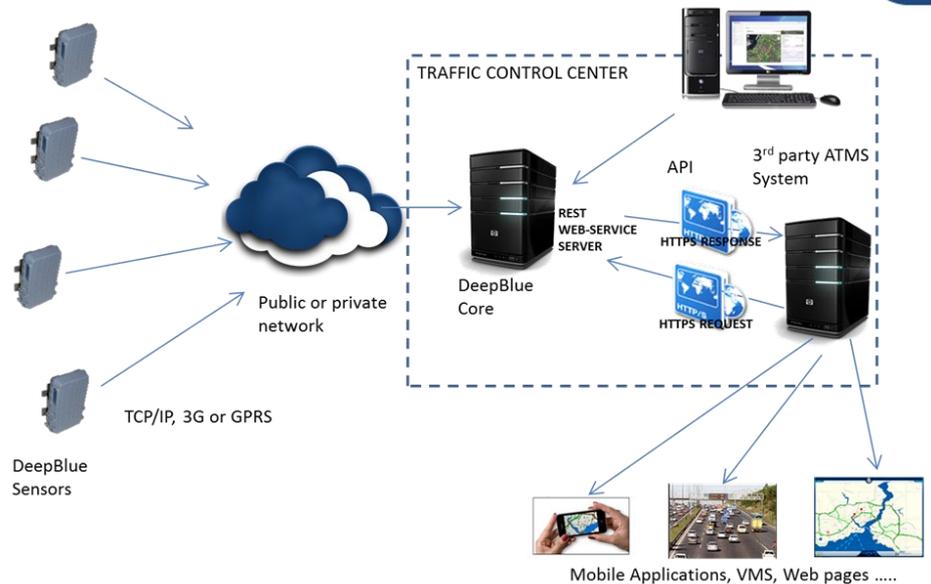**Automatic email notifications**

VISUALIZATION

Google Maps (requires license)
OSM
Graphs

OUTPUT

Integration through Web services
Excel for report/data download

System	Guidelines
Processor	Dual
CPU/CLOCK	2.60 GHz Octa-
Controller	12 Gb/s RAID
Communication	Gigabit EThernet
RAM	32 GB
OS	Linux

TRAFFIC CONTROL CENTER

API

3rd party ATMS System

REST WEB-SERVICE SERVER

HTTPS RESPONSE

HTTP/s REQUEST

DeepBlue Core

Public or private network

TCP/IP, 3G or GPRS

DeepBlue Sensors

Mobile Applications, VMS, Web pages .....

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