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Umovity

DIFFICULTIES

- **High Management Costs**: Traditional systems often entail significant ongoing expenses.
- **Substantial Hardware Investment**: Wideranging coverage requires considerable hardware resources.
- Manual Monitoring: Current methods are time-consuming and require extensive manpower.
- **Project Uncertainties**: ITS projects face prolonged timelines and uncertain delivery outcomes.



PTV FLOWS

- Cost-effective, and hassle free cloud based solution for real-time traffic management. Available in 84 countries
- The system helps to proactively manage traffic, thus reducing the length of delays, improving safety, and increasing the efficiency of the transport system.





Continuous monitoring of current and future traffic conditions



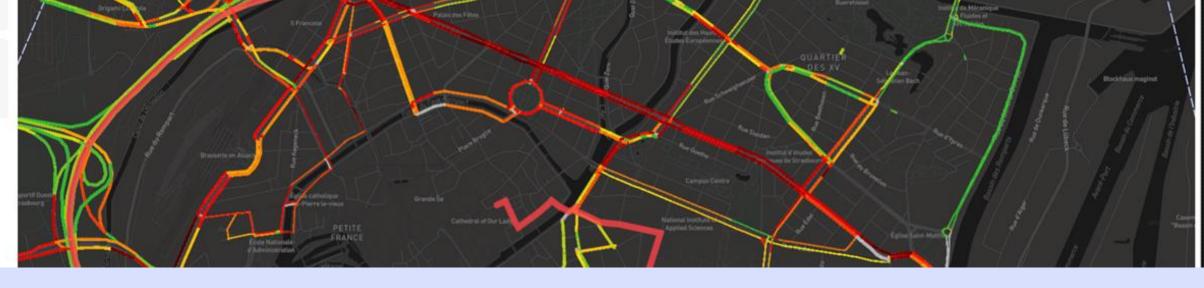
Easily collaborate and share alerts, information, traffic incidents



Analysis, inspection and extraction of historical data







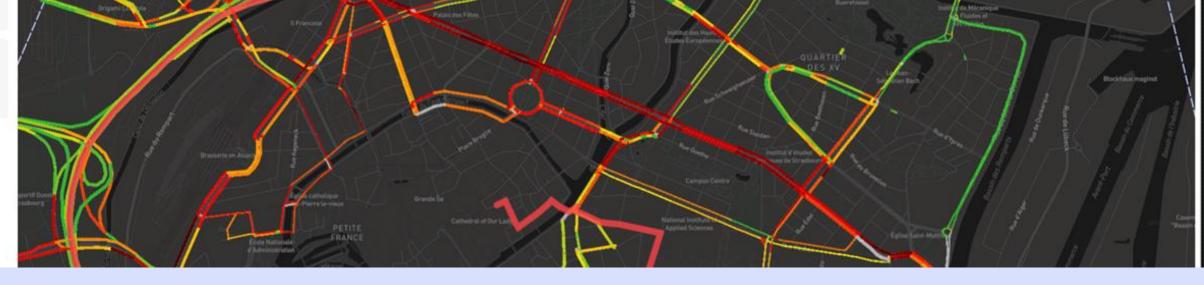
FEATURES

- Offered as a subscription service
- Accessible via **Web GUI** and **API** services
- Cloud first, no IT costs
- Automatic activation (<1 hours) and network update</p>
- Native integration of standard data (FCD and maps)

- Self-learning traffic forecasting
- Definition of KPIs and personalized alerts on corridors
- Automated alert sharing by email
- Probe density* 2024 roadmap
- Historical analysis* 2024 roadmap







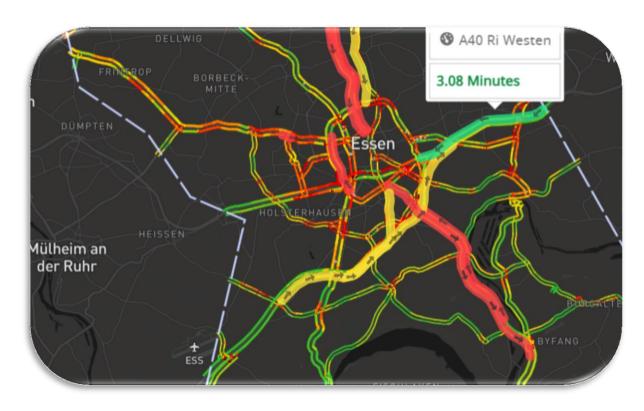
TECHNICAL BENEFITS & AUTOMATIONS

- Automatic provision of a TomTom network from Model2go (& OSM in the future)
- Automatic configuration of the instance (map, driving side, timezone, TomTom feed selection&activation) resulting in ZERO professional services needed
- Automatic creation of OpenLR code for each link (for the output)
- Automatic map matching of TomTom speeds on the network

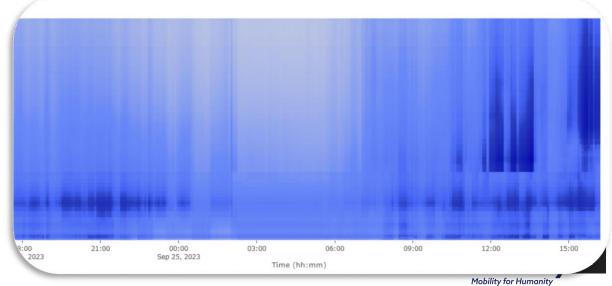
- Automated model update
- Automatic calculation of travel times on corridors taking into account the forecast
- Automatic calculation of percentiles on corridor travel times (e.g. 95p for unusual TT detection)



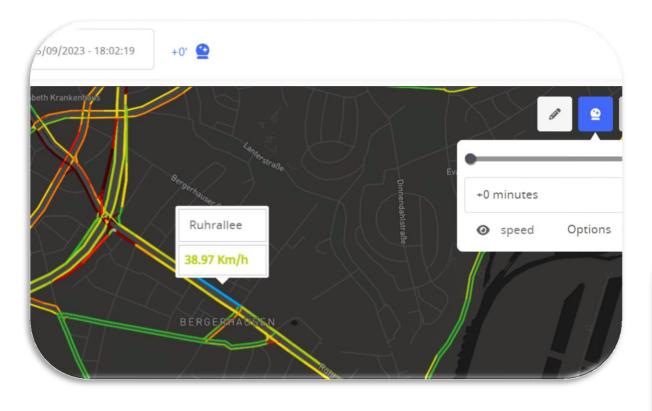
MONITORING

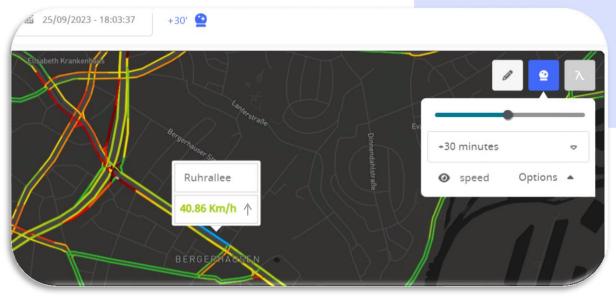


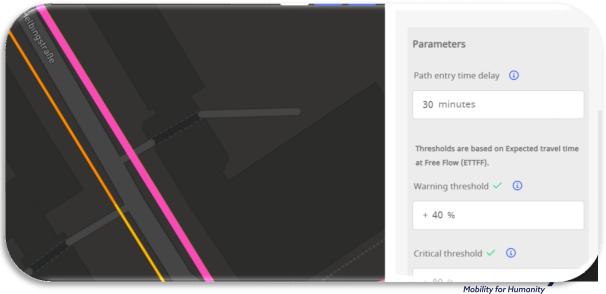




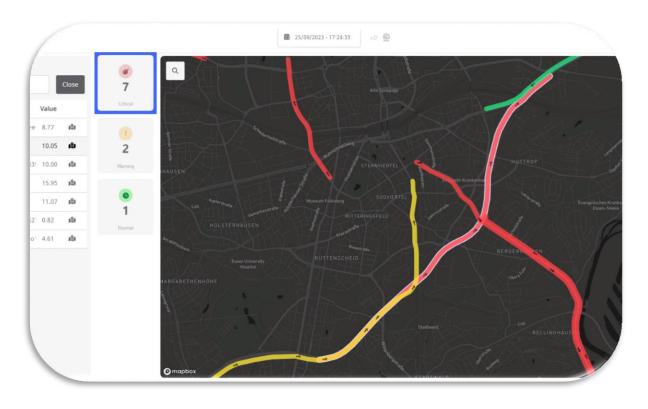
FORECAST



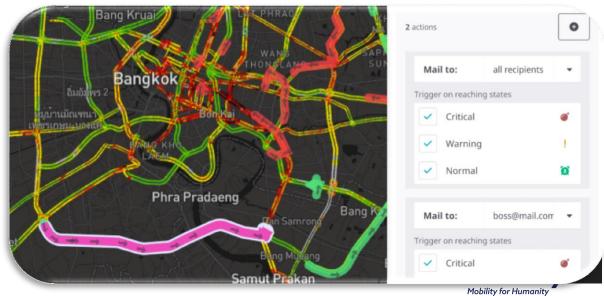




ALERTS & AUTOMATION









Tuesday, 02/27

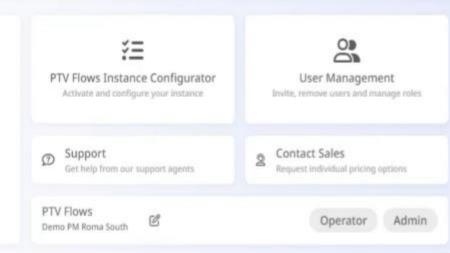
Hi, Luca

Let's go! There is a lot to do today!

Help Center

Learn about this product's features







API Keys Manage your API Keys

ALCOBENDAS, SPAIN

Objective: delivery of the new TMC system for the city of Alcobendas

System integrator: TEVA GROUP



- Use Cases:
 - Traffic Monitoring Effortlessly track traffic conditions in real-time,
 - Forecasting Leverage machine learning and algorithms to predict traffic patterns
 - Information Dissemination Provide timely traffic updates to stakeholders
- Year: 2024-2026





SOME EXAMPLES OF USE CASES



Motorway network

- Network performance Indicators for the road authority
- Predictive alerts of queues for possible traffic rerouting
- Activation of reserved lanes based on predicted travel times



TMC - Police stations

- Comprehensive traffic monitoring and forecast for the whole network
- Traffic management with automatic alerts for 3rd part system (e.g. VMS);
- Timely notification of problems to stakeholders (e.g. urban police)



Construction site monitoring/ temporary TMC

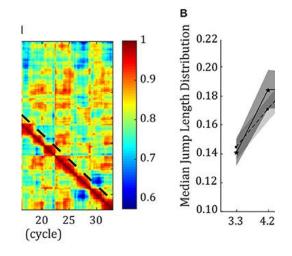
- Real-time impact assessment of construction sites (through kpi)
- Queue monitoring around the construction site

SOME EXAMPLES OF USE CASES



Pre/post studies

- Activate PTV Flows and monitor variations of KPIS before and after any intervention/roadwork/ signal timings/etc
- Currently it requires the client to download data but we will add historical analysis features soon



FCD tenders

- It requires evaluation of requested output that must be standard or a system integrator is needed
- Speed Estimation and forecast is always included



Event/ Transportation hubs/ PUT

- Congresses, Fairs, sport events, airports and other hubs need to monitor and inform people about reachability (to/from)
- PUT monitoring of corridors to improve arrival times



Questions



