

Traffic Flow Optimization

Manage the future of smart mobility, today



It's estimated that 70% of the global population will live in cities by 2050, with passenger demand set to double.

Local authorities, road owners, operators and construction companies need data-driven actionable insights to make traffic flow work.

With HAL24K's predictive intelligence, it will.

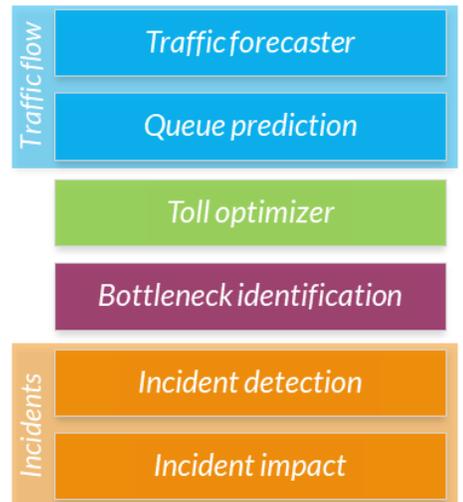
Make your traffic management smarter

HAL24K's Traffic Flow Optimization provides you with the versatile, AI-based building blocks that work with your existing infrastructure.

Microsoft Azure makes our SaaS solutions scalable, robust and secure so your team can use multiple data sources to create and implement smart solutions to monitor and predict traffic, and avoid bottlenecks.

Traffic Flow Optimization

AI solutions to understand, control & optimize traffic flow



Keep traffic flowing

- Data-driven decision making and control through real-time insights
- Enable quick and effective response to bottlenecks
- Boost driver experience through timely and accurate information
- Optimize operations and planning with minimal impact

Efficiently manage road infrastructure

- Improve design & configuration of critical infrastructure
- Optimize maintenance efficiency and cost
- Maximize road infrastructure capacity and use
- Extend lifetime value of assets

Unlock value from data

- Manage multiple data streams as raw input, in real-time
- Easy ingestion and visualization of dataflow
- Reads international traffic data exchange standards
- Feeds existing traffic management and control systems

Optimize operations at critical tolls



"HAL24K solutions mean accurate predictions and near real-time visualization of traffic enable us to cut congestion"

Olympia Odos, Greece

Optimal control at intersections



"HAL24K's queue prediction solution provides new insights, enabling us to optimize the configuration and control of our intersections and keep traffic flowing."

Province of Noord -Holland, Netherlands

Stable, scalable and secure solutions for data-driven traffic control

Traffic Flow Optimization delivers real value



AI to forecast demand at toll stations

90% average accuracy for 72-hour forecasts
Inform operations teams and road users



Queue length predictions at intersections

Predicts 95% of arriving queues per lane
Plan and control traffic flows



Early detection of traffic incidents

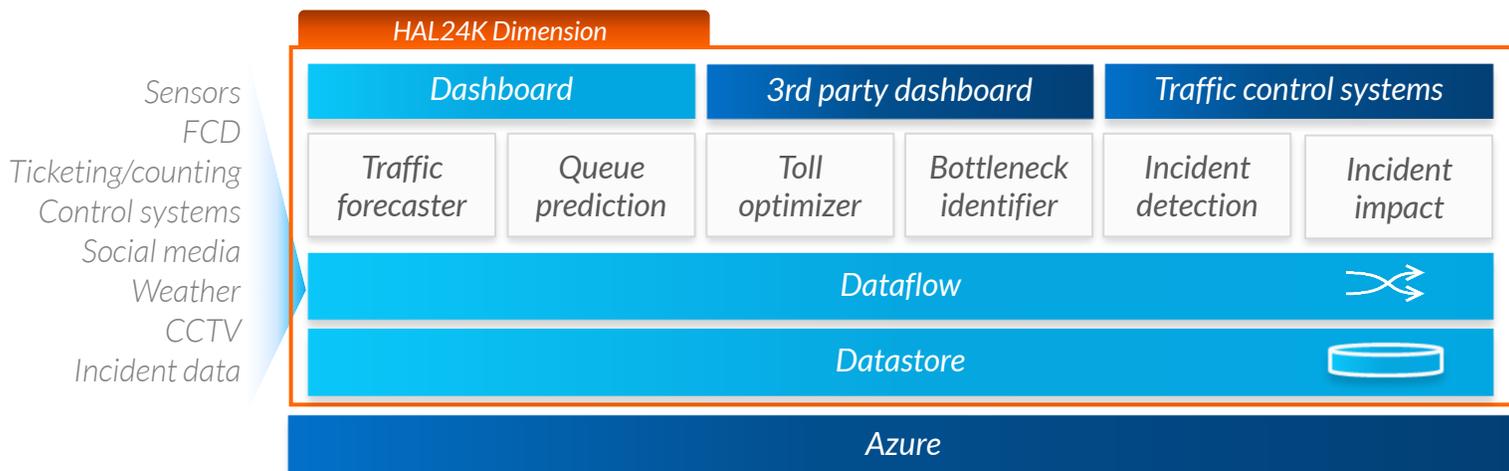
Detects incidents 14 mins quicker
Quick and effective response

Operationalize traffic solutions with Dimension

HAL24K's data intelligence platform, Dimension, enables seamless operationalization of smart mobility solutions. Dimension offers easy ingestion and management of data, deployment and visualization of AI output, and integration with your systems.

How it works

- Secure, open and proven technology
- Drag and drop static and dynamic datasets
- Time navigator to look into the past or future
- Reads international data exchange standards
- Easy ingestion of real-time and historical data
- Manages data in compliance to regulations
- Standard adaptors for many databases, APIs, and file formats
- Easy integration with existing business and control systems
- Easily control user rights
- Replicated microservices technology maximizes uptime



Why HAL24K?

Award-winning HAL24K combines advanced data science with modelling, analysis and visualization. It means your teams can make real-time, data-driven decisions in even the most complex and multidimensional environments.



See what's possible

Contact HAL24K and request a demo
sales@hal24k.com

