



Traffic Management for greener cities

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Imtech Traffic & Infra



**URBAN MOBILITY
MANAGEMENT**



**INTER-URBAN MOBILITY
MANAGEMENT**



**OBJECTS
(BRIDGES, TUNNELS, LOCKS)**



**TRAFFIC MANAGEMENT
CENTERS**



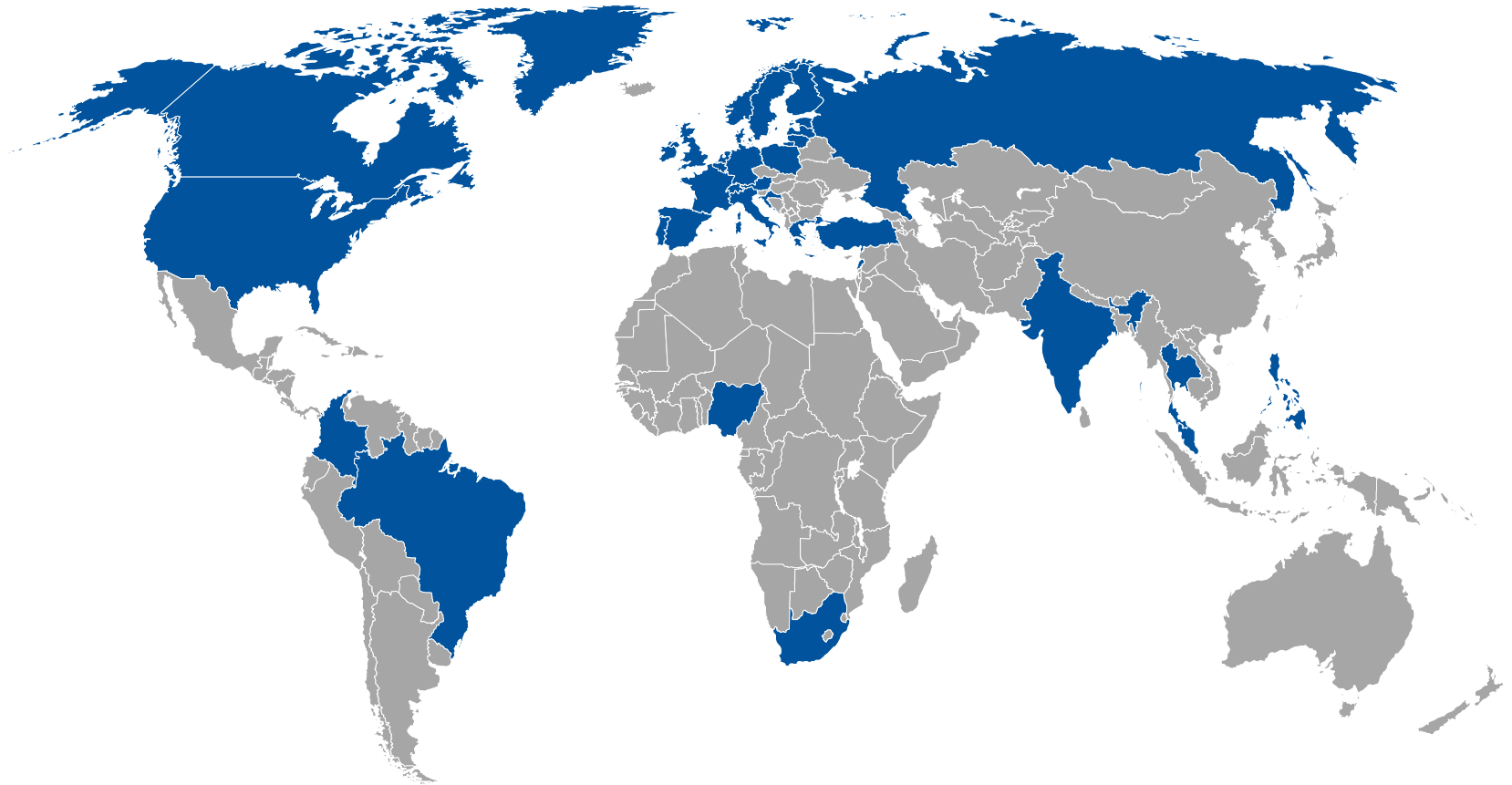
PARKING



PUBLIC LIGHTING



Intech Traffic & Infra > world wide activities





Challenges in Traffic Management

Traditional challenges

Maximising use of current infrastructure

Balancing conflicting traffic flow demands

Providing predictable journey times

Adaptability to policy changes

Environmental challenges

Reducing CO₂ emissions

Reducing health-affecting emissions

Encouraging use of low-emission transport

Balancing priorities



ImFlow

Next generation UTC System

Isolated intersections

- Providing real-time adaptive control

Adaptive networks (areas)

- Real-time optimisation of traffic flows at network, route and intersection level
- Conditional public transport priority

Metropolitan cities

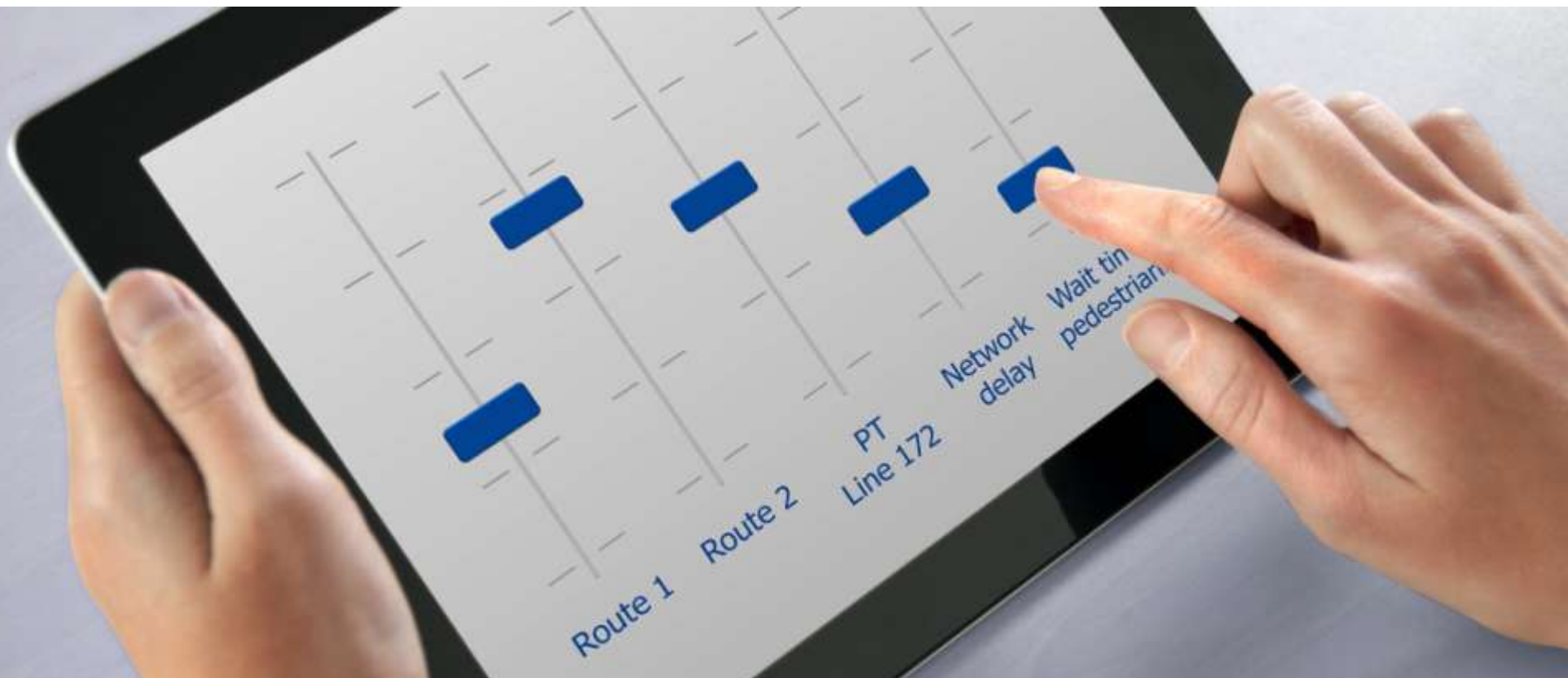
- City divided in areas





ImFlow – Closing the gap

Real-time optimisation based on user defined policies
Superb traffic performance





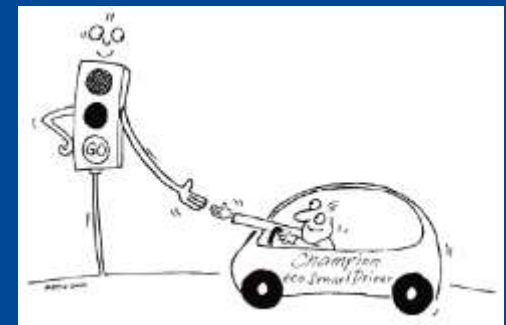
Policy based traffic management with cooperative technology

Interaction between individuals & traffic management systems

- Drivers help to effectuate the policies

Positive influence on emission levels by

- Avoiding acceleration, stops and congestion
- Promoting 'eco' driving behaviour
- Biasing modal split towards low emission modes





In-car Information

The image displays four screenshots of an in-car navigation system interface, each with a callout box explaining a feature:

- Count down red light:** A callout points to a red vertical bar on the left side of the screen.
- Speed advice:** A callout points to a blue square sign with the number '30' in the center.
- Count down green light:** A callout points to a green vertical bar on the left side of the screen.
- Priority at traffic signal:** A callout points to a green circle with a white 'P' in the center.
- Blue light enabled:** A callout points to a small blue car icon on the left side of the screen.

Each screenshot also shows a digital speedometer, a compass, and the text 'Europaweg/Hortsedijk' at the bottom.



ImFlow - Freilot - Eco-driving

Policy

- Give priority to 'heavy' vehicles to encourage eco-driving

Why

- Acceleration for heavy vehicles is expensive
0,3 – 1,0 litre fuel to accelerate from 0 to 70 km/h



Co-funded by the EC





EcoMove

Policy

- Balance traffic in the most energy efficient way

Target

- Reduce fuel consumption by 20% and therefore CO2 emission



Co-funded by the EC



Our contribution to a smart and sustainable city


Reduces:

- Congestion
- Travel time
- Fuel consumption
- Emissions

Improves:

- Traffic flow
- Public Transport services
- Safety
- Accessibility



A nighttime photograph of a city street intersection. In the foreground, a traffic light pole is visible with a bright green light glowing. To the right, a traffic light shows red and yellow lights. The background features several tall, modern buildings with illuminated windows, and a Ferris wheel is visible in the distance. The overall scene is lit with city lights, creating a vibrant urban atmosphere.

Thank you for your attention

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