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Measures of Traffic Management

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Traffic Management measures can be evaluated according to their impact three major challenges

Growing urbanisation and increasing wealth drive the need for intelligent solutions - today and in future.



Today 280 million people already live in megacities (>10 mio¹)

Challenges in the field of...

...safety

1.2 mio fatalities and 50 mio injured worldwide p.a. (more than 3,000 fatalities per day!).

...environment

Activities referring to traffic are the second largest source of CO₂ emission (26%)

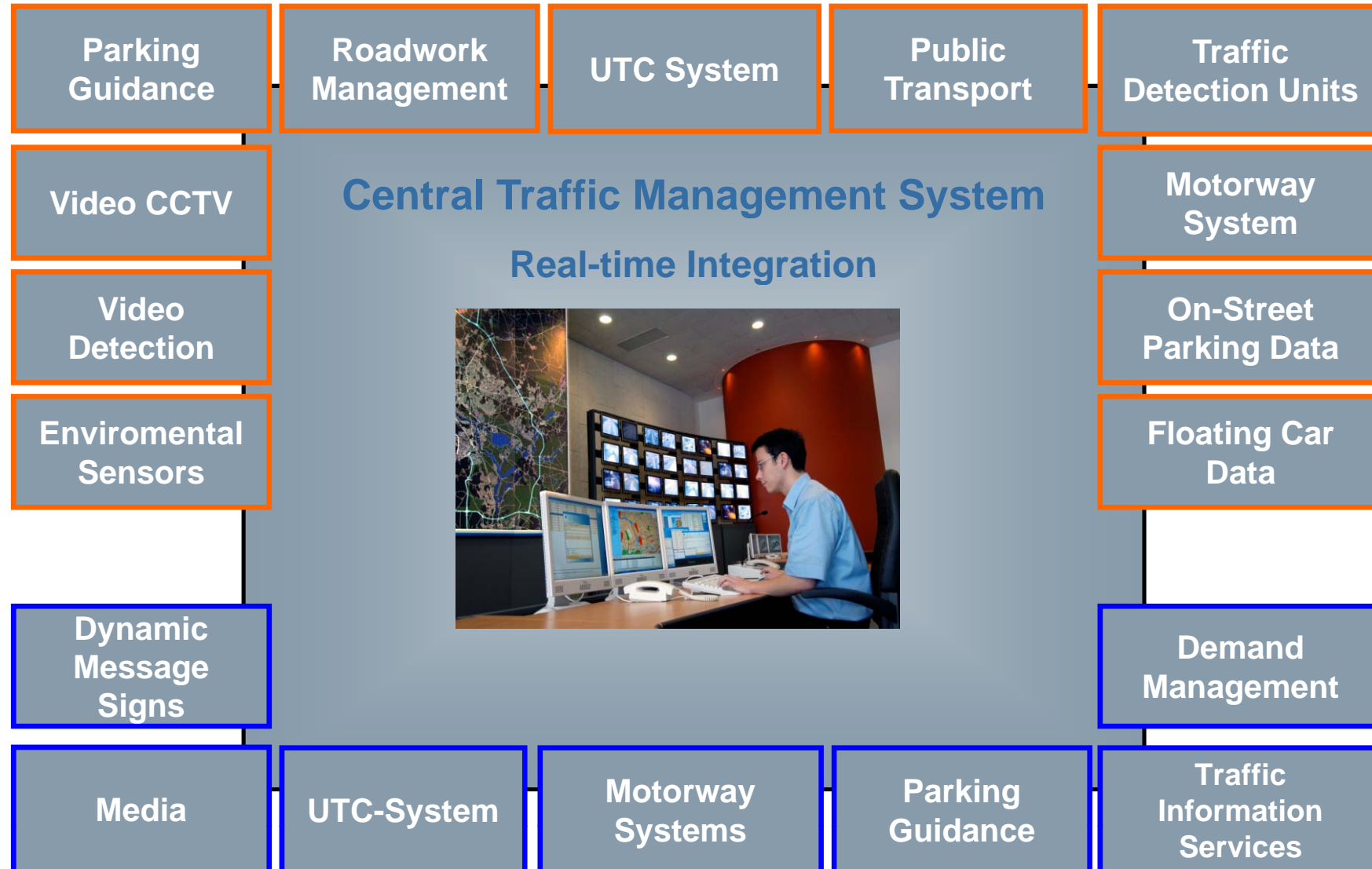
Traffic is a main source of PM10/PM2.5 and NOx

...mobility

The number of vehicles in developing countries increases five times faster than in developed countries.

¹ Definition megacity: metropolis with more than 10 mio inhabitants

A Traffic Management coordinates the different subsystems in a city to implement traffic strategies



— Upstream Systems

— Downstream Systems

The toolbox of traffic management systems features three categories of dynamic measures

Soft Measures

- Realtime urban traffic control
- Accurate traveller information
- Intelligent gating



Restrictive Measures

- Selective access restrictions for critical situations
- Dynamic speed limits/lane control to account for incidents

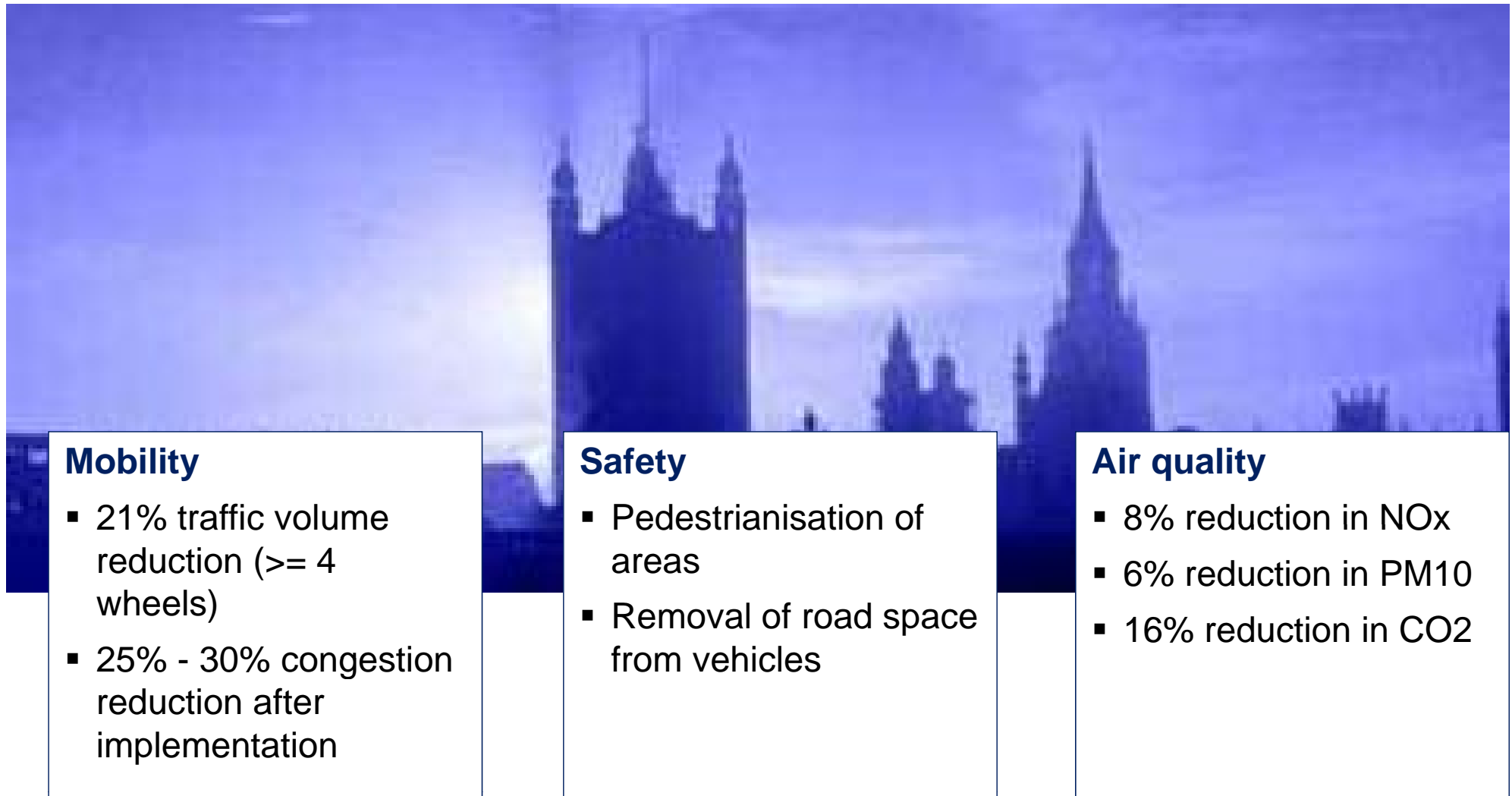


Demand Management

- Congestion charging
- Intelligent parking management



The impact of the Congestion Charging scheme in London in 2003



A nighttime photograph of a city street intersection, likely in Berlin, showing light trails from cars and illuminated buildings. The scene is captured from an elevated perspective, showing a mix of historic and modern architecture. The sky is a deep blue, and the city lights create a vibrant, glowing atmosphere. Light trails from cars are prominent in the center of the image, curving around a central point. Buildings on the left are illuminated with warm yellow lights, while modern buildings on the right have cooler, white and blue lights. The overall composition is dynamic and urban.

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Thank you

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