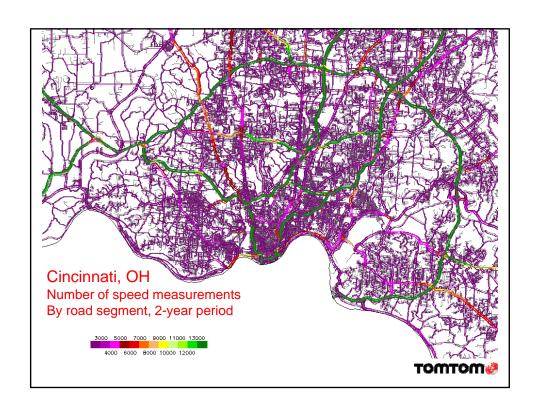


TomTom Speed Data characteristics

- 99% private car data; TomTom WORK data stored separately
- Speed measurements stored at TomTom map segment level, which average between 10 yards and 1 mile (much more granular than TMC)
- Customized: users can define peak periods, obtain information using specific calendar periods (excluding holidays, etc.)



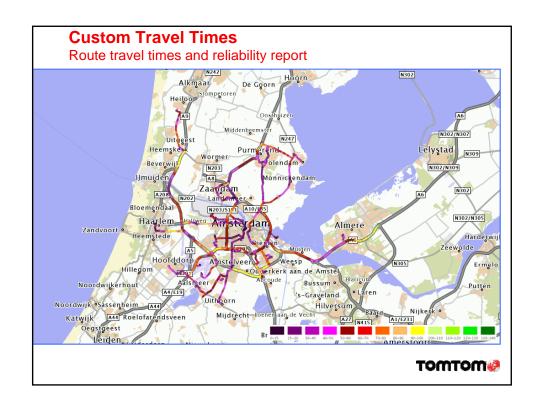


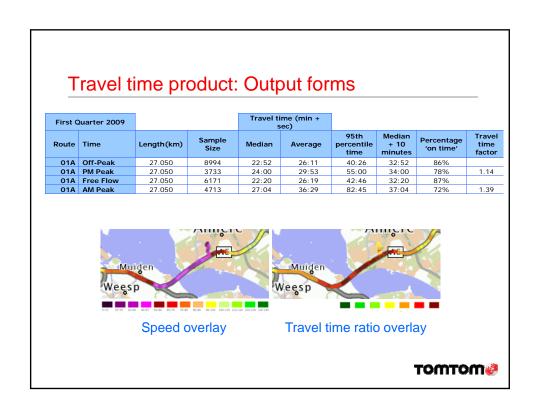


Case Study 1: Amsterdam, Netherlands

- Joint project of:
 - City of Amsterdam
 - Amsterdam MPO
 - Netherlands Ministry of Transport
- · Goals:
 - Report travel times
 - Report travel time reliability
 - Identify bottlenecks
 - Provide a basis for prioritizing improvement projects
 - Validate new generation traffic models







Conclusions

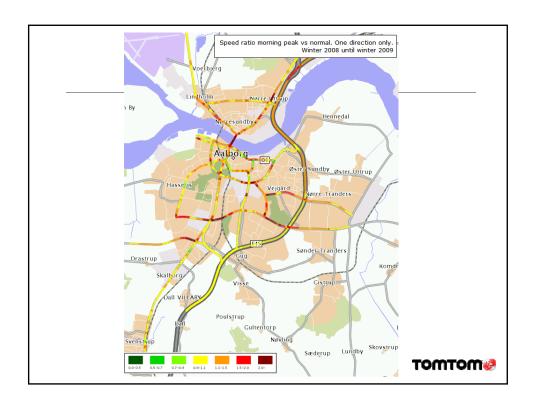
- TomTom speed data more reliable than current standard methods of performing field drives using smart phones or stop watches
- TomTom speed data as reliable as highway loops for measuring speeds



Case Study 2: Aalborg, Denmark

- City of Aalborg together with five other cities in Europe are involved in the ARCHIMEDES project within the CIVITAS+ framework. The focus of the project is sustainable transport.
- The goal of Aalborg is to reduce emissions by reducing urban congestion through intelligent traffic management measures.
- TomTom is providing improved traffic speed monitoring and historical information for management purposes.

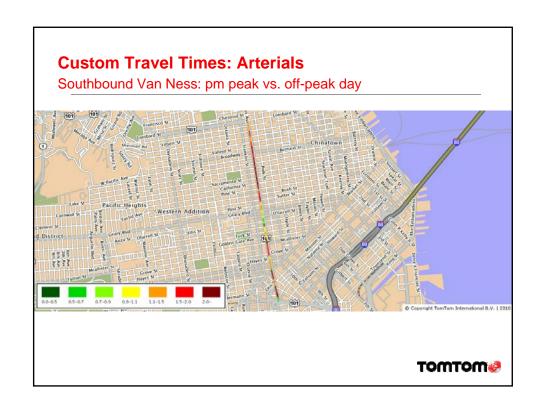


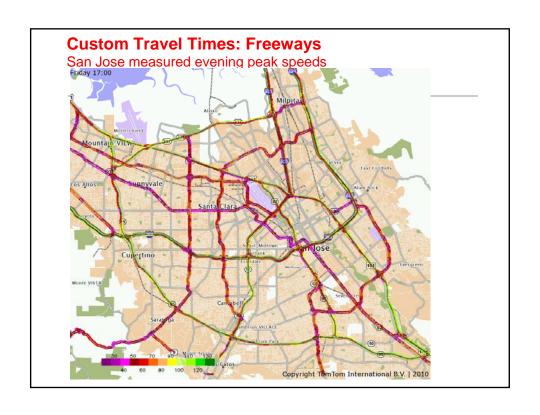


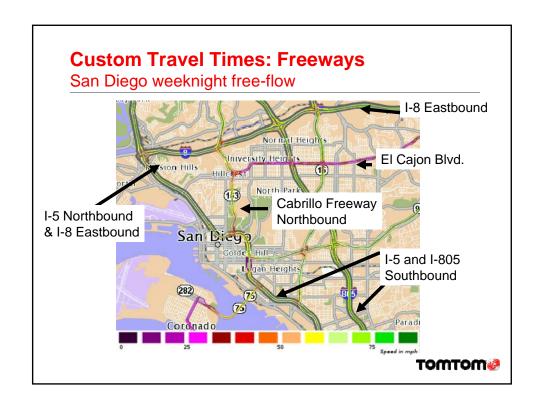
US examples:

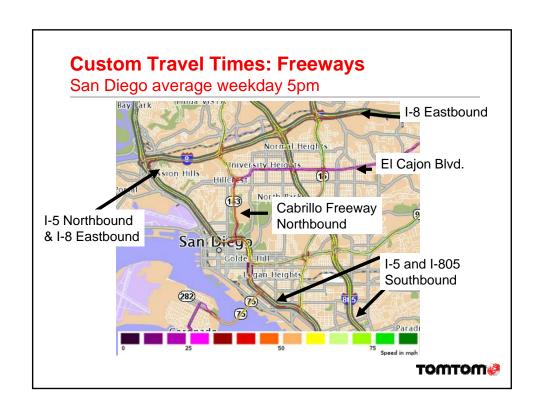
- · Arterial in San Francisco
- San Jose freeway speeds by time of day
- San Diego isoquant map (travel times)
- · National measures of delay

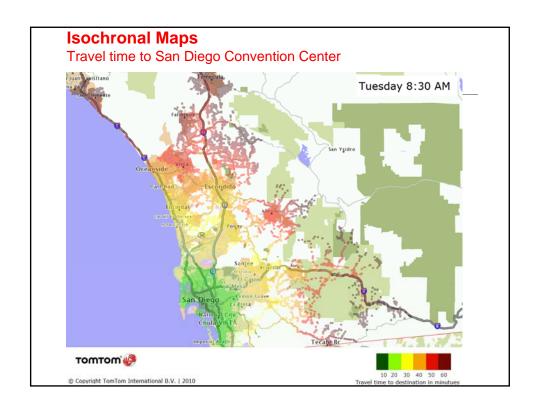


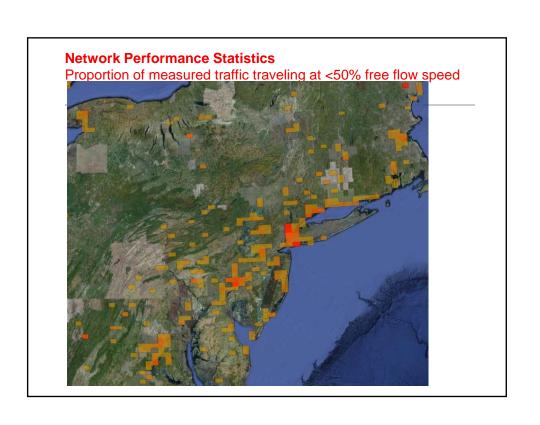














Future Developments: Origin Destination

- · Currently in product development
- · Case study: Interbest

TomTom OD data characteristics:

- · Person profile and trip length distribution representative
- No trip purpose or person characteristics linked to the data due to privacy limitations built into our systems

TOMTOM

Case Study: Interbest outdoor advertising

Outdoor Media Advertising

What?

Speeds at any location
Origin – Destination for any location*

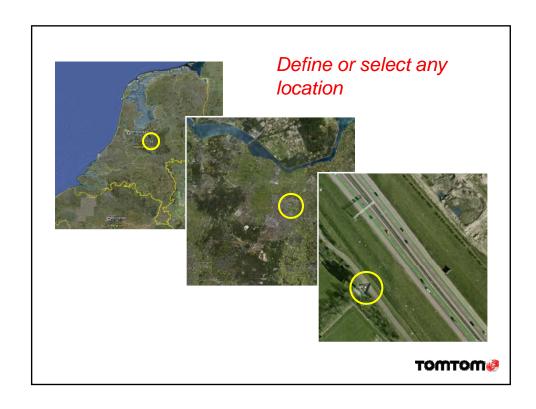
Purpose?

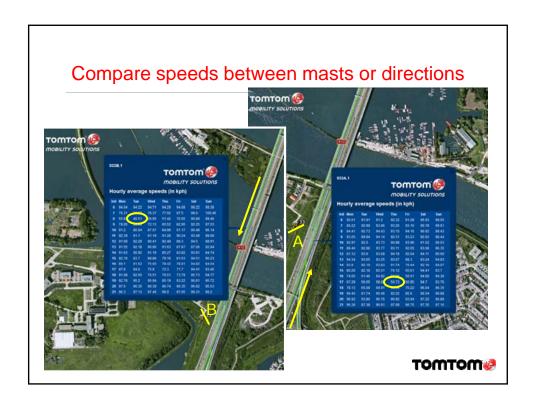
Choice and valuation of new locations Valuation of current locations Coverage of campaign

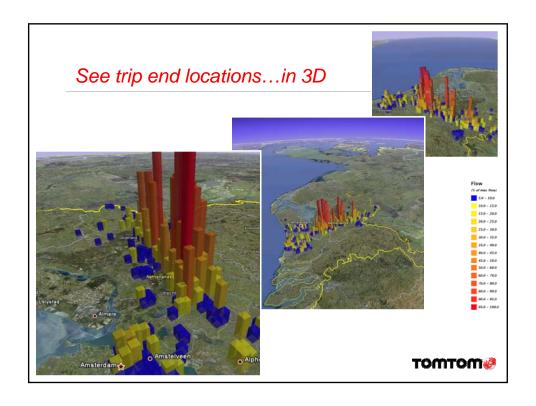
*available for all highways and motorways in Western Europe and North America. Arterials often available as well.

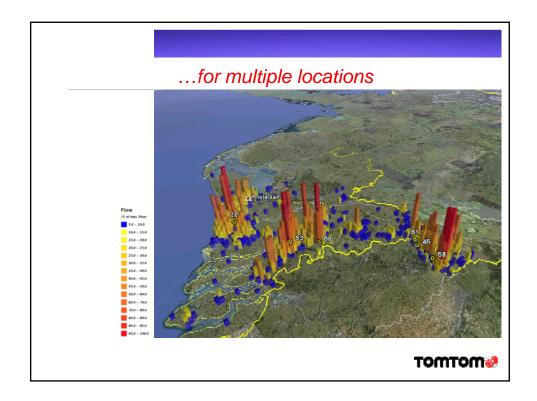












For more information...

- TomTom / Tele Atlas booth at:
 - 2010 ESRI International User Conference July 13-15 in San Diego
- Nick.Cohn@TomTom.com



