

# Position Information from Moving Traffic

DLR Research Cooperation with TomTom



Since October 2006, DLR and navigation device manufacturer TomTom have had a research contract regarding their strategic cooperation. TomTom is a licensee of the FCD technology (FCD = Floating Car Data) which has been developed at DLR over the last five years. This technology uses the position information of vehicle fleets gathered with GPS (Global Positioning System) which are controlled by a logistics planning system. This information is also used for a second purpose: From the movements of all vehicles of such a fleet, the traffic situation of a large area can be determined and depicted by reconstructing the driven

route and, above all, the speeds achieved. For the people on the road, this has the advantage of significantly improved route recommendations with which current traffic jams can be avoided. Demonstration projects (Berlin, Hamburg, Stuttgart and Nuremberg) can be seen at [www.cityrouter.de](http://www.cityrouter.de).

The cooperation with TomTom has the aim of further developing the usability of FCD technologies. TomTom's experiences from practical implementation and usage are complemented by the technological expertise of DLR.

The Dutch company, which was founded in 1991 and has been operating under the name TomTom since 2001, is the largest provider of navigation products in the world. With navigator software, navigation devices and solutions for cell phone navigation, TomTom

has customers in 30 countries. The company is listed on the AEX stock exchange, Amsterdam. An employer of 1,400 staff, the globally active company's name is derived from the tom-tom drums of Native Americans which were able to transmit messages over distances of many kilometers.

**Dr. Peter Wagner**

**Information:**  
[www.tomtom.com](http://www.tomtom.com)