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## **Toulouse Blagnac Airport test new indoor location solution**

Toulouse Blagnac Airport in France has installed a pilot mobile indoor positioning solution to try and improve passenger comfort, better manage visitor traffic and to help passengers get to where they want to go easily and on time.

The service, from indoor location solutions provider Pole Star and its commercial partner Hub Télécom, a Wi-Fi operator, is powered by NAO Campus, the Pole Star indoor positioning solution.

The NAO Campus-powered mobile application will guide passengers through the airport and it also informs travellers with the time to destination and the waiting times at the different key points on the route.

"When passengers arrive at the airport, we don't know exactly where they are and we have to wait for them to come to us with their boarding passes. The pilot developed by Hub Télécom and Pole Star and powered by the NAO Campus indoor location solution, allows us to accompany each passenger via his or her smartphone," said Laurent Verbiguié, head of information technology and innovation at Toulouse Blagnac.

"Depending on their itinerary in the airport, we know exactly where each passenger is and we provide them with useful real-time information. Ultimately, this system could help us to better manage visitor traffic and improve customer satisfaction."

Using the existing Wi-Fi infrastructure, NAO Campus is a multi-network fusion engine capable of managing transitions between GPS (which does not work inside the airport), Wi-Fi and motion sensors located inside the smartphone. This limits the density of the Wi-Fi network needed and minimises deployment costs while providing optimal accuracy from 1-5m.

NAO Campus is embedded into the smartphone application and offers many advantages over solutions which operate with a remote server, for example no Wi-Fi or data connection. This solution provides a real time positioning without latency to communicate with the server and ensures minimum battery consumption.

In July 2011, Paris-Charles de Gaulle Airport integrated the NAO Campus indoor location solution into its application, My Way Aéroports de Paris. A free service to guide passengers, My Way Aéroports de Paris was extended to cover the entire airport in June 2012.

**5 October 2012**

