Workshop Public Transport Quality monitoring

How smart can a bus be and at which cost?

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TRANSDEV GROUP KEY FIGURES

**France**
- 2,55 milliards d'euros de chiffre d'affaires
- 34 200 collaborateurs

**Pays-Bas**
- 1,08 milliard d'euros de chiffre d'affaires
- 11 900 collaborateurs

**Allemagne**
- 0,58 milliard d'euros de chiffre d'affaires
- 4 400 collaborateurs

**Amérique du Nord**
- 1,07 milliard d'euros de chiffre d'affaires
- 15 700 collaborateurs

**Autres pays**
- 0,24 milliard d'euros de chiffre d'affaires
- 4 000 collaborateurs

**Europe autres**
- 0,68 milliard d'euros de chiffre d'affaires
- 7 500 collaborateurs

**Australasie**
- 0,43 milliard d'euros de chiffre d'affaires
- 5 300 collaborateurs

**Total**
- 83 000 collaborateurs
- 6,6 mds d'euros de chiffre d'affaires
- 19 pays

*Chili, Chine, Colombie, Corée du Sud, Maroc et Inde
Portugal, Espagne, Irlande, Royaume-Uni, Suède et Finlande
How smart can a bus be?

In France the AVM and real time information was for a long time only for the big urban networks (more than 250 000 inhabitants - because of the investments and the cost of the on board system and infrastructure)

- because of the cost of the on board system and infrastructure

But thank to standardization of the on board architecture and GSM and GPS technology now it’s possible to offer solutions with a raisonnable price

Also there are new actors in the AVM and real time solutions in France, which proposed solutions for small to middle sized urban networks (Hanover, Lummis, Wix-Erg, AEP)
How smart can a bus be?

On board passenger information

In France, the on-board information is regulated by a law (3 May 2007) in the appendix 11 of the minimum equipments.

- Electronic destination
- Internal panel
- Voice message inside the vehicule
What is the cost to be smart?

Simple geolocation system:
From 250€ to 500 € / bus / year

Middle size AVM and real-time information:
From 2000€ to 10000€ / bus of investment
From 500€ to 1000€ / bus / year
For info or further questions on this workshop and the activities of the JASPERS Networking Platform, please contact:

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