



Tendering environmentally enhanced services in public transport - Frankfurt/Main

The City of Frankfurt am Main (Germany) placed environmentally enhanced services in public transport by competitive tendering. Drastic reductions of noise- and air pollution results in additional costs of less than 0,07 \geq /km.



Description

The awarding authority of Frankfurt am Main in Germany (traffiQ) placed environmentally enhanced services in public transport. In the north of the city, 20% (3.3 million km/a) of the public bus transport was tendered. Within a pilot-tendering throughout the EU announced in summer 2005, incentives for offers considering enhanced environmental buses were set.

Four tenders filed, all of them complying with the EEV-Standard (EEV = Enhanced Environmental Friendly Vehicle) and additional enhanced noise-standards (75 dB(A) respectively 77 dB(A)). The contract was awarded to ALPINA, a tenderer from Bad Homburg (Germany). The new busses went into service in December 2006 with change of timetable.

32 standard-size-buses VOLVO 7700, 17 mid-sized-buses vanHool A 330 N and 2 Minibuses Kutschenits VW City IV came into operation. Except for the Minibuses, all these EEV-standard vehicles are diesel powered. Therefore in Frankfurt/Main operates the largest diesel powered EEV- standard bus fleet.

Because of the EEV-standard, ALPINA Bad Homburg is going to get subsidies of 1,4 M \geq from the BMU (The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety) . TraffIQ and so the city of Frankfurt has to expect an additional expenditure of 230.000 Euro/a. These costs will be paid in the interests of the health of people and environmental protection.

Results

By using EEV busses, the tendered transport performances will result in a significant reduction of air- and noise pollution. Compared to today's emission limits, particulate matter emissions will decrease to around 20% and those of nitrogen oxides to around 50%. Even compared to the EURO V standard (valid for the placing of vehicles on the market from 2009) nitrogen oxides are reduced clearly. The reduction of noise by 3dB(A) for both categories of busses (

Compliance with the standards resulted in additional costs of less than 0,07 \geq /km compared to the former costs. This difference corresponds to a very low percentage of the total kilometre costs and was deliberately accepted in return for the intended reductions of noise- and air pollution.

Know how

The tendering was issued using expertise offered by experts from and based on a BMU founded project published in June 2005.

Future prospects

The awarding authority judges today's situation much more conducive to tender environmentally enhanced services than in the beginning of 2005. Gathered experiences result in a point of view to tender enhanced standards anytime again.

you will find more information on <http://www.traffiq.de/>.

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Documents

[Abgasstandards und technische Daten.pdf](#) (32 kByte)

[Pressemitteilung_06_012_05_.doc](#) (26 kByte)

[Fachartikel \[en\]](#) (653 kByte)

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