

## FMN communications GmbH accelerates the public transport

As specialist for data radio technology FMN communications GmbH has developed special radio units in Nordhausen which prove themselves in the public transport and make it faster and saver.

Over system vendors FMN communications GmbH supplies nearly all companies, which are related to the public transport in bigger cities or congested areas in Germany. Bus, tram or suburban railway companies all together have one in common, as service company in passenger transport they are being measured particularly on compliance of the schedule. Nothing is more noticed and runs feelings high than a late bus or train.

The radio units WZ FS 2-3, WZ FSE 2-3 and the WZ LSA 2-3 make a small contribution to improve the schedule fidelity. With these radio units it is possible to control and switch the traffic lights on particular routes that way that the busses or trains constantly have a free way. The radio transmitter installed in the bus or tram informs the radio receiver on the traffic light about the oncoming vehicle and provides in time a safe switch of the traffic light to free way.

This does not only lead to shorter travel times for busses and trains but also to significant cost saving. Shorter travel times and better schedule fidelity increase the attractiveness of the public transport, which can lead to higher passenger numbers and reduction of the motorized individual traffic. By what not least the environment is being preserved.

The radio units are available in various frequency bands and ranges as well as different power levels. That way the regional conditions can be considered.



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PRESSES

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Numerous cities in Germany and Europe amongst them Munich and Berlin have already implemented such accelerating measures which have been evaluated positive and will be expanded. In Munich for example the number of passengers in the tram increased by 14 percent and the operating costs could be reduced by 4,2 Mio € per year.

Since last year the traffic lights for the MIVB in Brussels are also on green. In December 2008 on route 23 - as first of 8 routes together - the "green wave" could be provided with the radio units of



FMN communications GmbH. Thanks to this system 5 minutes travel time can be saved on 16 km route.

Till 2010 145 intersections and approx. 900 vehicles will be equipped with this technique in Brussels. The new system is a premiere for Belgium and will accelerate the average speed of the busses and trains; waiting time on red traffic lights will be reduced radical respectively do not apply anymore.

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