

AutoTram® Extra Grand – The World's Longest Bus



Implementation of AutoTram® Extra Grand for trial runs in Germany, *Fraunhofer ISC*

Greetings from Fraunhofer Office India.

Founded in 1949, **Fraunhofer-Gesellschaft** is the leading organization for applied research in Europe, where 69 Institutes and Research units conduct its research activities across locations in Germany. Fraunhofer-Gesellschaft employs a staff of 24,500, who are qualified scientists and engineers working with an annual research budget totalling more than 2.1 billion Euros. Our global footprint is very strong with offices and research centres in the USA, Europe and Asia. Some of our renowned innovations are the birth of MP3 format, the white LED, record for best solar cell efficiency and the smallest of cameras ever imagined.

Fraunhofer Institute for Transportation and Infrastructure Systems IVI has been operational in a wide array of transport-related research and development topics, ranging from the fields of electro mobility, traffic planning and traffic ecology, traffic information, vehicle propulsion and sensor technologies, while also incorporating traffic telematics, the information and communication sectors, as well as disposition and logistics.

Recently, Fraunhofer IVI has grabbed the attention of the whole world for developing a 30.7 m long **AutoTram® Extra Grand** – the world's longest bus – equipped with hybrid propulsion technology and an electronic multi-axle steering system. It combines the advantages of a conventional bus and tram technologies into an intermediate public transport vehicle concept. The key advantages of this newly developed AutoTram® are High transport capacity (> 250 passengers), diesel-electric hybrid propulsion system, all-electric operation by means of li-ion batteries, range extender for charging processes during operation, variably configurable modular concept, high operational flexibility, tram-like swept path (German regulation »BOKraft-Kreis«), low infrastructure costs and low environmental impact.

With these features, the AutoTram® Extra Grand is an ideal vehicle for its implementation into existing public transport systems, designed to meet both the demands of public transport vehicles to be operated in environmentally sensitive areas, and simultaneously provide high availability and suitability for daily use.

Kindly get in touch with us if you are interested in this technology or require further information.

Thanks and Regards,

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