



Gyrobuss transportation





Overview

A gyrobus is an electric bus that uses flywheel energy storage, not overhead wires like a trolleybus. The name comes from the Greek language term for flywheel, gyros. The concept of a flywheel-powered bus was developed and brought to fruition. Developed by the Swiss company Oerlikon in the fifties, gyrobuses were used for approximately 7 years at Yvernon and Grandson in Switzerland, Léopoldville in Belgian Congo, and in Gand in Belgium. The reason was simple—they wanted something quieter and cleaner, but most importantly they wanted a vehicle that wasn't. Public transportation is intended to be a form of transportation that connects cities and countries together and at the same time reduces air pollution and emissions. But today, most public transportation uses petroleum-based power sources.



Gyrobuses transportation



Gyro Bus - The All Electrical Bus from the 1940s

What is a Gyro Bus? A Gyro Bus, short for Gyroscopically Balanced Bus, is a revolutionary mode of public transportation that utilizes advanced ...

Gyro Bus

The document discusses the concept and early development of the gyrobuses, an electric bus powered by a large flywheel instead of overhead wires or batteries. Gyrobuses were developed in the 1940s and ...



[The Future of Urban Transportation: Exploring the Gyro Bus](#)

What is a Gyro Bus? A Gyro Bus, short for Gyroscopically Balanced Bus, is a revolutionary mode of public transportation that utilizes advanced gyroscopic technology to maintain ...

(PDF) Concept of the Mechanically Powered Gyrobuses

The new gyrodrive concept is an innovation of the mechanical gyrobuses transmission by Hampl & Vitek (2006). The legitimate aim of substituting urban buses with zero emission vehicles is



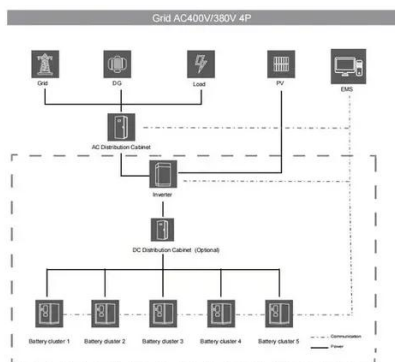
Gyrobus

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Gyrobus: The Flywheel-Powered Public Transportation

So Bjarne Storsand, the chief engineer of Maschinenfabrik Oerlikon, came up with the concept of the Gyrobus in 1946. The Gyrobus was powered by an electric motor, and that motor was

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Le Gyrobus: an electric bus in colonial Kinshasa

The Gyrobus was a spectacular if at first glance unassuming piece of transport technology. The electric bus combined the advantages of the tram - it used a cheaper energy source ...

Gyrobus



A Gyrobus is defined as a vehicle that uses a pure flywheel-based energy storage system, where the flywheel is charged at stationary terminals and provides power to the traction motor, allowing for ...



[The Gyrobus : public transportation using flywheel energy](#)

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Gyro Bus - The All Electrical Bus from the 1940s

In order to operate the Gyrobus, a generator delivered electricity to an electric motor, which in turn powered a spinning flywheel to store energy. Three booms on the vehicle's roof were ...





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