

Title: Range extender microturbine

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Extend the range of drones, robots, ground vehicles, or sea vessels with the ARC generator. This compact diesel range extender recharges large lithium batteries on the go, offering a lightweight ...

Delta Motorsport: Developing a Micro-Turbine EV Range Extender Using ATI Products vehicles. One of the most promising and exciting projects to address this obstacle has been undertaken by UK-based ...

This study investigated a micro turbine generator (MTG) as a range extender for a series hybrid electric vehicle application for a range of constant and dynamic power demand strategies.

Applications include automotive gas turbines for electric vehicle range extenders, combined heat and power (CHP) applications and stand by or emergency power. Micro gas turbines offer advantages in ...

Delta is all set to develop the MiTRE - a "micro-turbine range-extender" for electric cars. This is set to take on the primary anxiety that seems to hold back the uptake of electric cars, the idea that their ...

A team of engineers at a UK company called Delta-Cosworth (formally Delta Motorsport) have developed a miniature gas turbine generator for use as a range extender fitted to electric vehicles.

Several attributes of the MGT are predicted to cause concerns for vehicle sub-system requirements such as high ambient temperature and start-stop behaviour. This paper describes the ...

Building on Delta's TSB-supported feasibility study, the aim of this project is to design and build a small, light weight and most importantly low cost microturbine-based generator for use as a ...

Our Micro-Turbine Range Extender is light-weight, cost efficient and powerful way to extend the range of electric cars.

Compact 60 kWe Microturbine Range Extender: Innovative cold-end bearing architecture; Advanced radial



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turbine cooling for higher firing temperatures; High speed alternator; 33 to 45% LHV efficiency

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