

Title: Can exhaust motors generate electricity

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Combustion engines, the engines in gas-powered cars, only use a quarter of the fuel's potential energy while the rest is lost as heat through exhaust. Now, a study published in ACS ...

They can, they do, they're more efficient and basically better in every way than mechanical turbos. They just require high voltage systems, which are expensive, but hybrid trucks are already on the road ...

That may soon change, as a team of researchers claims to have discovered the means of converting exhaust heat into energy, using a small device called a thermoelectric generator (TEG).

In this study, two types of triangular shaped TEG systems such as copper made TEG and steel made TEG exhaust channels were constructed and tested to convert IC engine exhaust heat ...

The generator is capable of producing up to 56 watts of electricity in airflow conditions typical of a car's exhaust pipe. However, in more extreme locations, such as those found in ...

Attached to a car's exhaust pipe, the device--called a thermoelectric generator --could convert the heat into electricity and put it to use in the vehicle, making the car more fuel-efficient. ...

If strapped to the exhaust of something larger, like a helicopter engine, the device could generate three times as much power. In their paper, the team said the technology was proving to be...

By capturing and utilizing this waste heat to generate electricity, industries can reduce energy consumption, lower operating costs, and contribute to a more sustainable and energy ...

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