

CELTIC-NEXT

Project Proposal Pitch

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Lean
energy sources 

Decentralized electrification of transport

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Teaser

The team of our startup offers an alternative solution for the electrification of transport using lighter batteries and additional environmentally friendly resource-saving biofuel energy sources using machine learning.

The solution will help eliminate such disadvantages of electric vehicles as high cost, overweight, small power reserve, long charging time, exposure to natural anomalies. It will also reduce the costs of creating charging infrastructure, energy-intensive batteries, additional generating capacities and energy transmission systems.

The project will make a significant contribution to the fight against global warming by reducing greenhouse gas emissions by transport and the consumption of alternative fuels without limiting legal mobility requirements and will bring high profits to its participants.

Organisation Profile

The team of our startup consists of specialists with experience in the field of energy efficiency research of power units, as well as in the field of technology, business and marketing.

The goal of our team is to save biofuels, provide cleaner air in cities, accelerate the electrification of transport and increase its mobility, reduce global consumption of useful resources and CO₂ emissions through the development and implementation of resource-saving powertrains.

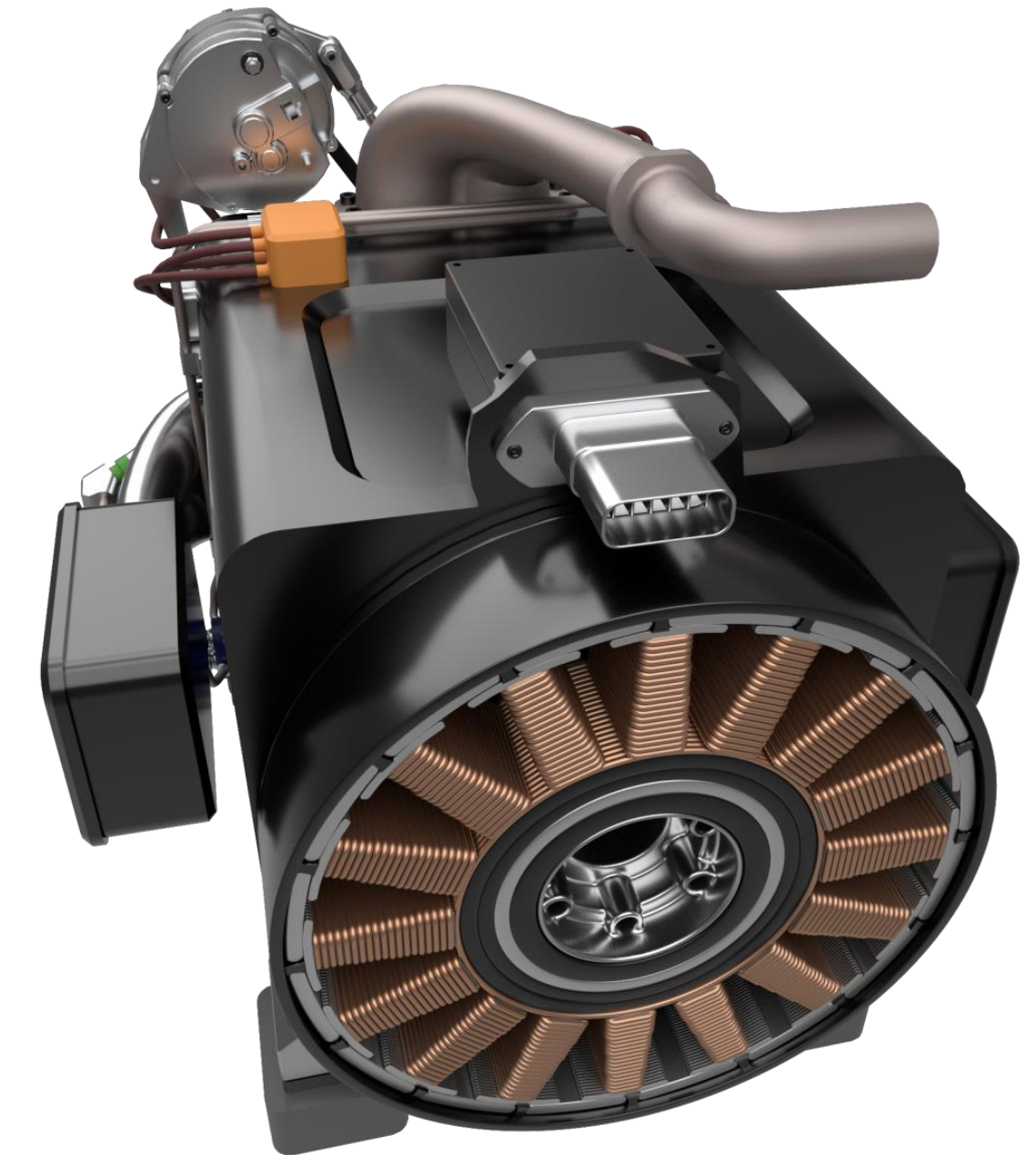
Resource-saving solutions are protected by EU and US patents, the level of technological readiness of the TRL-4 project.

Proposal Introduction

Our team has developed a comprehensive method for converting piston engines into eco-friendly, resource-saving power units, which includes three components:

- inexpensive engine upgrades based on patented technical solutions;
- use of renewable biofuels in engines;
- using machine learning of power units for their most economical operation.

Updating piston engines based on patented technical solutions will allow them to meet environmental standards, maintain their position in the market and reduce the cost of electrification of transport, becoming efficient and environmentally friendly sources of mechanical energy in on-board generators of electric vehicles.



Proposal Introduction

We have conducted computational research and evaluated the effectiveness of patented technical solutions using advanced CAD and CAE tools, developed machine learning algorithms to control the operation modes of renewable fuel power units, which will allow us to use the results of the analysis of previous trips to choose the most economical route, taking into account fuel consumption and other factors. battery charging, time saving, route traffic, weather forecast and other available data.

It remains for our startup to take the final step – to create a prototype of an on-board generator for an electric car with an updated engine from a well-known manufacturer that will run on biofuels and use machine learning.

The demonstration of its improved characteristics will allow us to quickly begin the widespread introduction of resource-saving power units for various purposes.

Partners

The project team invites partners to jointly implement an environmental project within the framework of an international consortium:

- scientific and technical partners - for joint development, manufacture and testing of prototypes of resource-saving power units for various purposes;
- IT partners - for joint development of software and hardware for machine learning of resource-saving power units;
- investors – to participate in our highly profitable environmental startup.

We are ready to consider all possible mutually beneficial forms of cooperation with our partners.

Contact Info

For more information and for interest to participate please contact:



Your Photo

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Presentation available via:



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***Decentralized electrification
transport***

