

1st Forum on the Horizon Prize for Innovative Batteries for eVehicles IndTech Conference 2018, Vienna

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The EIC Horizon Prizes

Each EIC Horizon Prize has an ambitious goal: to solve a major challenge society is facing

The Prize does not detail how this should be achieved or who should achieve it

The focus is not on a specific technological solution, but on new ways of thinking, outside the box, across sectors and disciplines





The current EIC Horizon Prizes

- Affordable High-Tech for Humanitarian Aid
- Fuel from the Sun
- Innovative Batteries for eVehicles
- Early Warning for Epidemics
- Blockchains for Social Good
- Low-Cost Space Launch

https://ec.europa.eu/research/eic/index.cfm?pg=prizes

- Award Ceremony for the Prize on the Materials for Clean Air yesterday in this Conference
- Launch of the Prize on Innovative Batteries in February 2018
 by Commissionner Moedas in person





The EIC prizes – creation of for a 1st forum on the battery prize

The goal of this forum is to create a stakeholder community

To spread information on the prize and carry the message to new potentially interested contributors

To boost interest on participating to this exiting challenge

To ignite the creative process to develop breakthrough solutions to society's challenges





The EIC Horizon Prize on Innovative Batteries for eVehicles

First automobile was electric powered Range and recharging limitations Petrol powered cars dominate Energy density (fossil fuels 1 MWh gasoline 1 MWh Li-lon 1 MWh pumped hydro dominant over batteries) 105 liter 3300 liter 3,670,000 liter

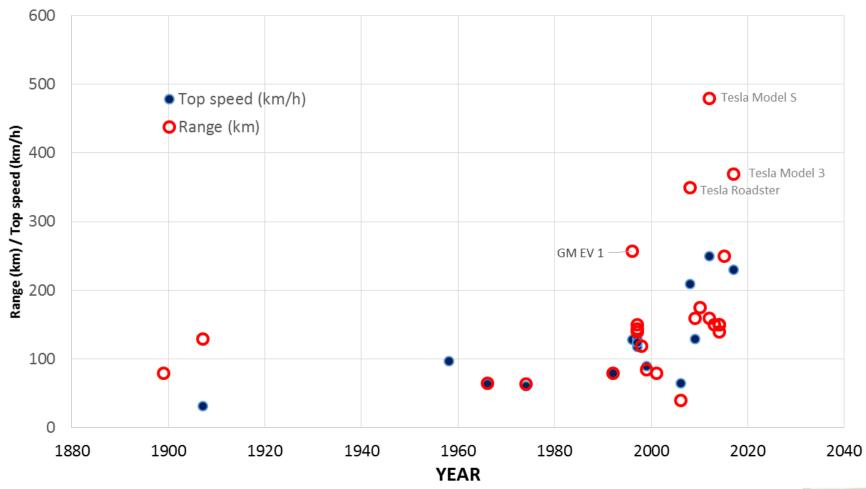








The battery challenge







The battery challenge

The EU has been investing in battery research since FP6.

A renewed effort underway to:

- advance battery performance
- establish European manufacturing base

Research encompasses both cell chemistry and cell manufacture.

A worldwide drive for improved battery technologies has made a difference





Clean Mobility Package and Strategic Action Plan on Batteries

The immediate challenge to create a competitive and sustainable battery cell manufacturing industry in Europe is immense, and Europe has to move fast. With this **Strategic Action Plan**, the Commission aims to put Europe on a firm path towards leadership in a key industry for the future, supporting jobs and growth in a circular economy, whilst ensuring clean mobility and an improved environment and quality of life for EU citizens.

The **prize** will contribute to the **objectives of the Commission's Clean Mobility Package**, which aims to reduce CO2 emissions, boost deployment of clean vehicles and foster an integrated industrial policy on batteries that will be invented and produced in the EU.





The EIC Horizon prize - Innovative batteries for eVehicles

The European Commission is committed in accelerating battery development:

- Over € 100 million had been made available for the 2018 work Programme - including a €10m EIC Horizon Prize on "Innovative batteries for eVehicles"
- Over € 200 million of research funding will be made available for the 2019-2020 calls





The EIC Horizon prize - Innovative batteries for eVehicles

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Prize launched by Commissioner Carlos Moedas during the EU Industry Days - 22-23 February 2018 in Brussels





The EIC Horizon prize - Innovative batteries for eVehicles

Challenge:

- A driving range of at least 600km
- Repowering time comparable to refuelling a standard petrol/diesel car
- Low cost
- Recyclable
- As few as possible toxic, rare earths and critical raw materials
- Preferably be made of materials available in Europe

(more details in the RULES OF THE CONTEST)

Timetable

- 23 February 2018 contest opened
- 23 February 2019 deadline for registration of interest
- 17 December 2020 deadline to submit applications
- Jury evaluation foreseen from May to July 2021
- Tests and demonstration of the 3 best applications
- Prize award: ~ end 2021

Further info: https://ec.europa.eu/research/eic/index.cfm?pg=prizes batteries

Contact: EC-BATTERIES-EIC-PRIZE@ec.europa.eu









Watch the video:
We need a battery revolution!

SOLVE THE CHALLENGE

€10 million

Apply by 17 December 2020



Thank you

Contact:

EC-BATTERIES-EIC-PRIZE@ec.europa.eu