

**ASTRABAT**



**NEW  
EFFICIENT  
LITHIUM  
BATTERIES  
FOR  
ELECTRIC  
VEHICLES**

The **transport sector** is responsible for around **one quarter of Europe's** greenhouse gas (GHG) **emissions**. Electric mobility is key to helping the EU achieve its overall goal to reduce GHG emissions by 80-95% by 2050. **New battery and energy-storage technologies** are thus the way forward for the **transition to clean mobility**.



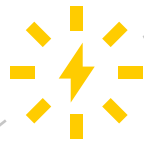
## THE PROJECT

The EU project **ASTRABAT** will investigate and develop a **new all-solid-state Li-ion cell architecture** suitable for the use of high-energy electrode materials.

## THE OBJECTIVE

The goal is to fulfil the need for a safe, high-energy, sustainable and marketable **battery for electric mobility** that could be manufactured in Europe on a massive scale. A new battery that not only goes beyond the state of the art in terms of performances, but is also easier to recycle.

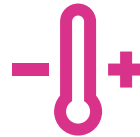
The new ASTRABAT cells will enable:



Higher  
energy density  
and power



Increased safety  
and longer  
life cycle



Larger operating  
temperature  
range



Lower  
electric vehicle  
costs



# ASTRABAT



[astrabat.eu](http://astrabat.eu)



[@astrabat](https://twitter.com/astrabat)



[astrabat-project](https://www.linkedin.com/company/astrabat-project)



[coordinator@astrabat.eu](mailto:coordinator@astrabat.eu)



**Fraunhofer**  
IKTS



**Fraunhofer**  
ISC

**WUT**

**umicore**  
*materials for a better life*

 **nanomakers**



**irCer**  
institut de recherche  
sur les céramiques

**LEITAT**  
managing technologies

 **Leclanché**  
Energy Storage Solutions

  
**YUNASKO**  
PULSE POWER INNOVATIONS



**elaphe**

 **LOMARTOV**  
Applied Innovation Engineering

**ICONS**

**PSA**  
GROUPE



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 875029.