



European Commission

INDUSTRY

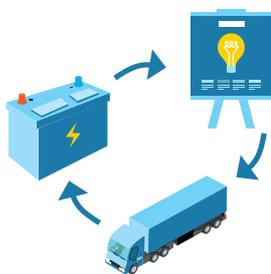
BOOSTING BATTERY

PRODUCTION IN EUROPE

... FOR SUSTAINABLE AND CLEAN ENERGY

Every year the **EU INDUSTRY DAY** is convened to discuss the future of European industry. In 2018, the EU Industry Day will incorporate the **Clean Energy Industrial Forum**, a series of events to boost cooperation between industry, policy-makers, investors and others in favour of European leadership. **Battery production in Europe** will be a key focus to further enhance our credentials as a credible and competitive advocate of clean energy.

WHY DO WE ACT?



Today, road transport alone accounts for 20% of greenhouse gas emissions. The development and production of batteries are at the heart of Europe's transition to **clean mobility and clean energy systems**. They are a key enabler of e-mobility and energy storage.

Economic sectors, such as automotive, change fast with **new players and business models**. A competitive battery value chain will underpin the transition. It will create highly-skilled jobs and boost growth and investment spilling over into related sectors, like services or products

The European batteries market is projected to **increase by a factor of 4 to 10 until 2025, creating a market worth €250 billion/year**. Europe needs to develop efficient, commercial and accessible energy storage solutions to stay ahead of the curve.

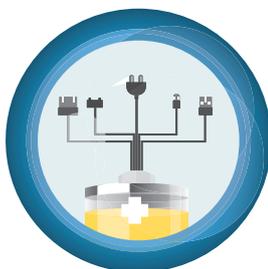
WHAT ARE OUR GOALS?



Improve **air quality** & mitigate **climate change**



Protecting public health and environment means drastically cutting greenhouse gas emissions



Increase the market penetration of **e-cars**



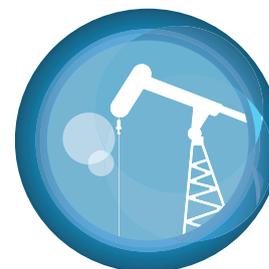
Spreading electric and clean transport solutions call for efficient, yet affordable batteries



Generate **new jobs and businesses**



Investing in skills development and promising SMEs



Reduce **dependency on fossil fuels**



Moving towards renewable energy sources requires better and longer electrical storage

WHAT ARE OUR ACTIONS?

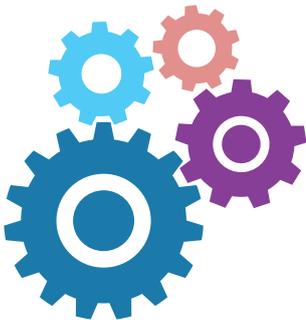
We build European alliances



EU Industry, the innovation community and Member States need to work together to ensure competitive and innovative battery manufacturing in Europe. This is a pre-condition to prevent major technological dependence on global competitors. That is why Commission Vice-President for the Energy Union **Maroš Šefčovič** initiated an **EU Battery Alliance**.

80 industrial and innovation actors will gather and present 20 priority actions at the EU Industry Day. Cells manufacturing projects and consortia are being formed. Cooperation with the European Investment Bank was established to pool support instruments. In May, the Commission will table an action plan for the next generation of high-performance and clean batteries.

We support a strong European energy sector



In the last ten years, the EU has invested €375 million in research and innovation projects in this field.

Now the Commission ...

... has launched a flagship initiative on batteries with €200 million to support European battery development and innovation from 2018 to 2020.

... and will give the largest loan so far under the InnovFin Energy Demonstration Projects. €52.6 million will be loaned to the start-up Northvolt to build a gigafactory for battery cells in Europe. The deal will be signed by Commissioner for Research, Science and Innovation **Carlos Moedas** at the Clean Energy Industrial Forum during the EU Industry Day.

We reward innovative ideas



The EU will award a **€10 million prize for the development of a reliable, safe, low-cost battery for electric vehicles**. The European Innovation Council (EIC) Horizon Prize incentivises applicants to find a solution to this challenge until 2020. The battery should be long-lasting and have a charging time comparable to a standard combustion vehicle. The prize will be launched by Commissioner **Moedas** at the EU Industry Days.

“We find ourselves at an industrial crossroad: Either miss the opportunity or take the leap for sustainable and clean energy. We can win from this transition, if we dare to change.”

– Industry Commissioner Elżbieta Bieńkowska –

