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EBA Battery Academy in a nutshell

June 2021

WE ARE THE
TRUSTED
INNOVATION
ECOSYSTEM
FOR
SUSTAINABLE
ENERGY
IN **EUROPE**

THE LARGEST
SUSTAINABLE
ENERGY ACCELERATOR
IN THE **WORLD**

330+
STARTUPS

MORE THAN **500**
PROJECT
ASSOCIATES
& PARTNERS

THEMATIC FIELDS & TECHNOLOGY FOCUS

- Smart and efficient buildings and cities
- Nuclear instrumentation
- Energy efficiency
- Energy storage
- Energy for transport and mobility
- Renewable energies
- Smart electric grid
- Energy for circular economy

THE KNOWLEDGE TRIANGLE

- Strengthen EU innovation
- Creates tomorrow's entrepreneurs
- Increases sustainable growth
- Encourages global competitiveness
- Cultural and social transformation

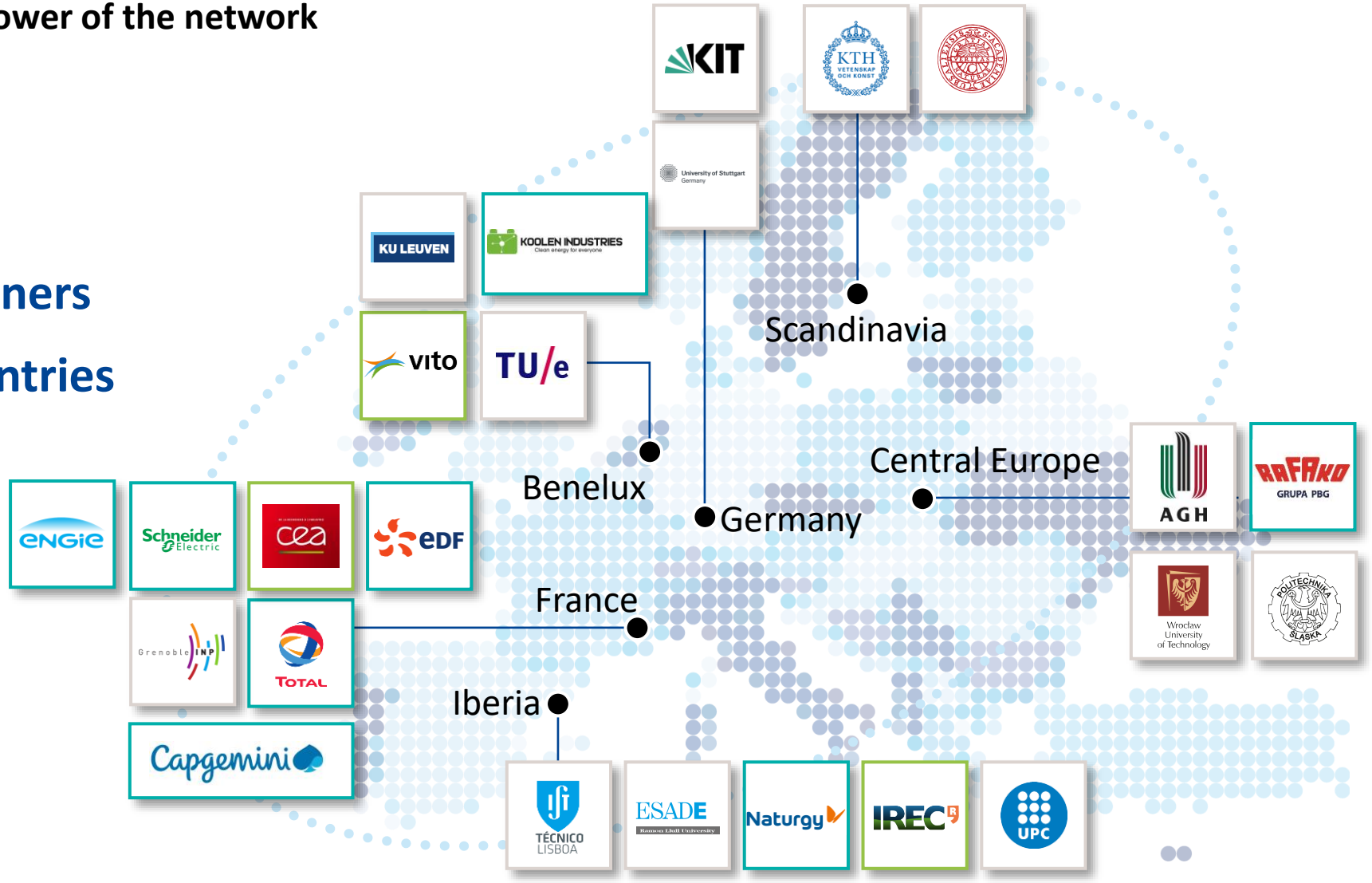
Making connections: the power of the network

6 regional offices

24 shareholders

+400 additional partners

Activities in +24 countries



Our Shareholders

- Research Institutes
- Universities
- Industry Partners
- Regional offices

Partners in the ecosystem

Bringing the *Knowledge Triangle* to life

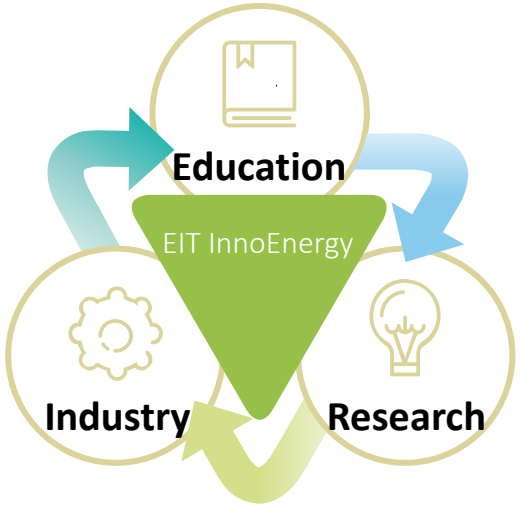
Strengthen EU innovation

Creates tomorrow's entrepreneurs

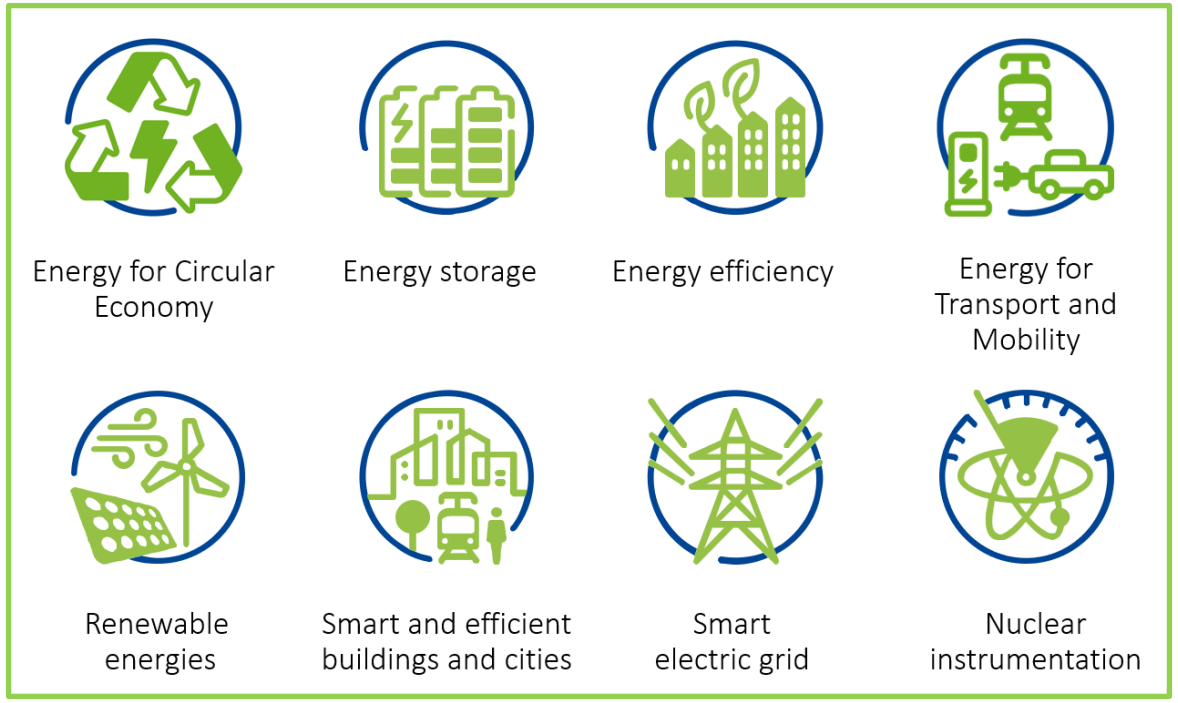
Increases sustainable growth

Encourages global competitiveness

Cultural and social transformation



Thematic fields and technology focus



The Green Battery Boom

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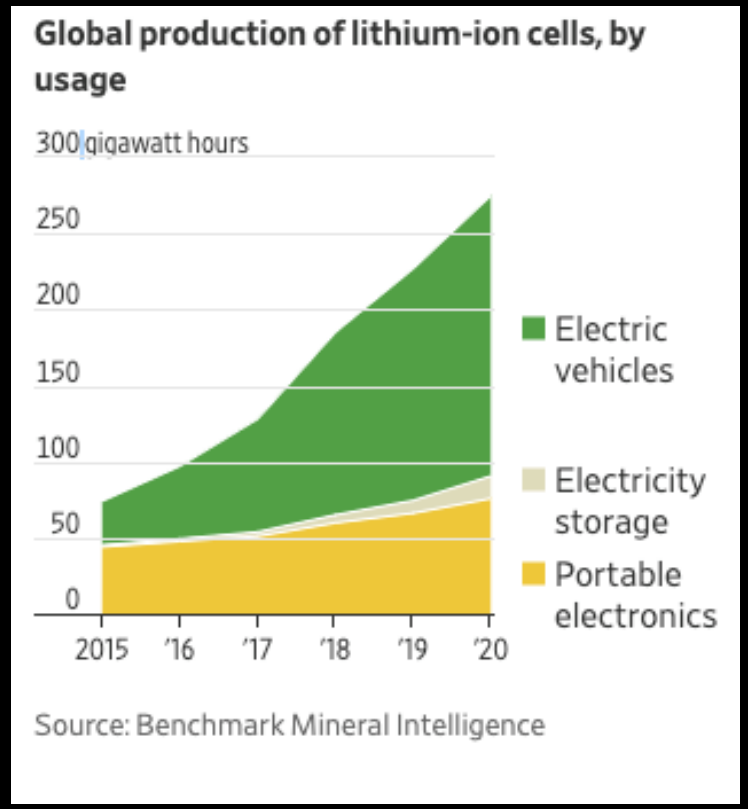
WE WILL PUT A GREEN BATTERY IN EVERYTHING YOU KNOW



The **EBA250 network** includes organizations from both the public and private sectors. A collaboration of more than 600 participants, covering the entire battery value chain.

The European battery value chain is undergoing rapid development, attracting €60 billion investments on

New projects across the value chain are expected to create 3 to 4 million direct and indirect jobs by 2025.

Among them, it is estimated that **800.000 direct workers will need to be trained, upskilled, or reskilled by 2025** to serve the needs of the European battery industry. This amounts to an average of 160.000 workers to be trained every year.

EUROPEAN BATTERY ALLIANCE | EBA250

eit InnoEnergy
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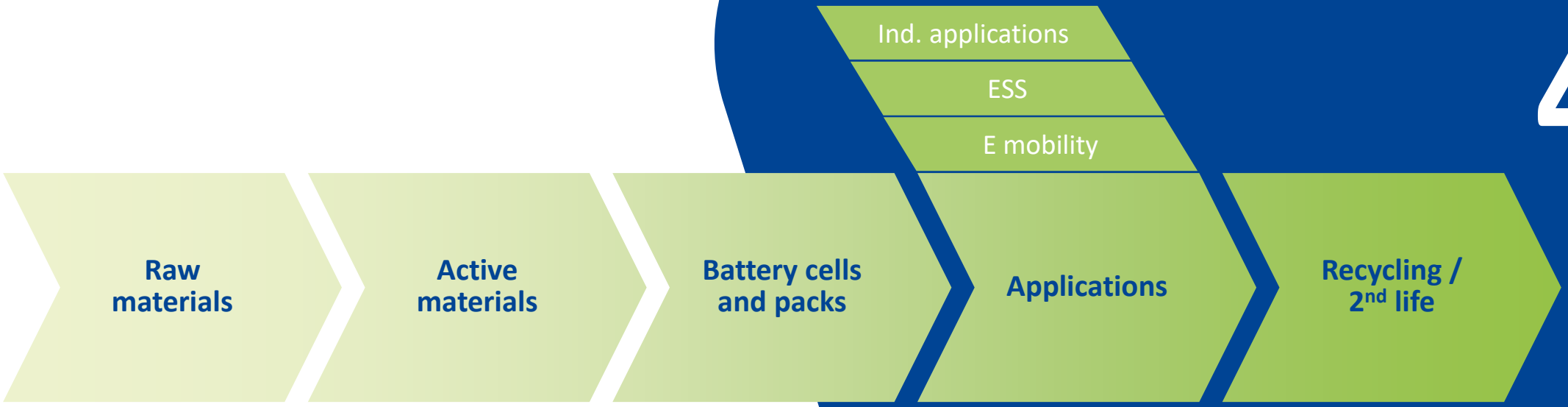
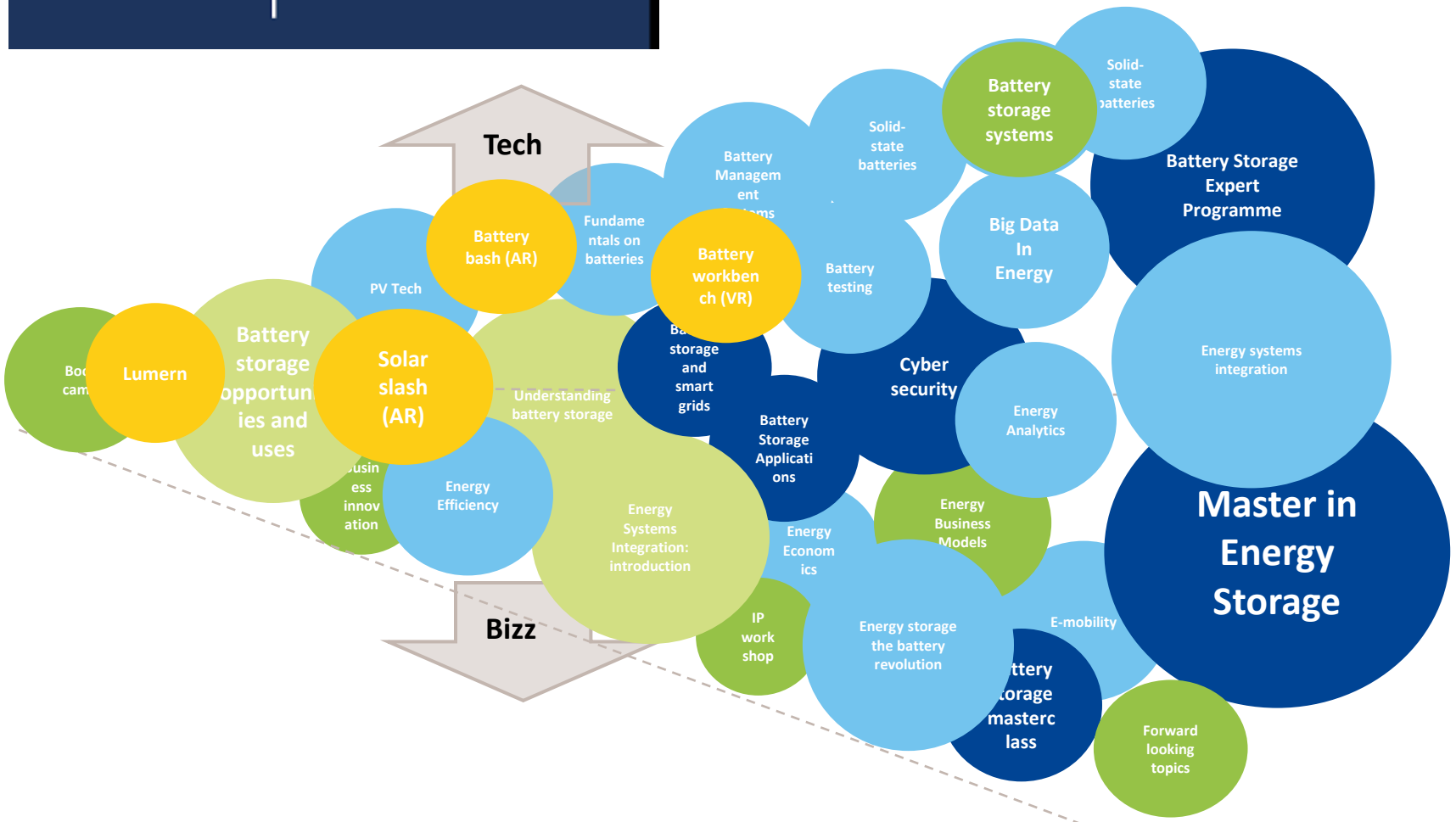
€250bn
estimated annual value by 2025

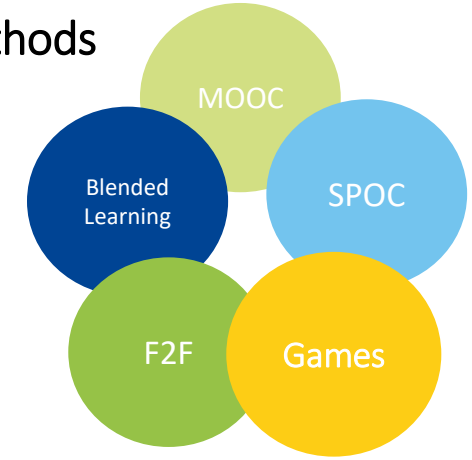
4m
new jobs



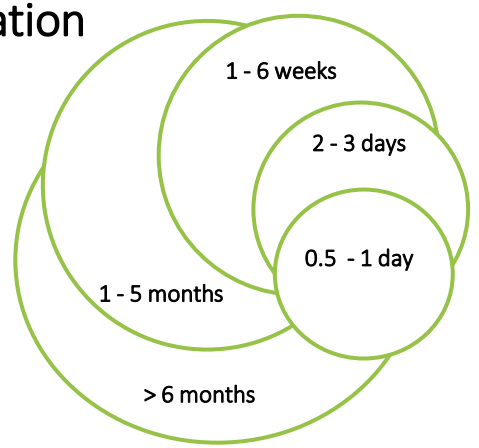
800.000
to upskill & reskill



Methods



Duration



Skills competencies covered by InnoEnergy offering, today

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	Raw Materials	Active Materials	Battery Cells and Battery Packs		Applications			Recycling/2nd life
"White collars"	Electrochemistry Material refinement & purification processes Environmental management	Electrochemistry "Wet chemistry" processes Clean room processing Integrating processes in the environment Material Synthesis	Inorganic chemistry Material science (polymer, membranes, solvents, …) Electrochemistry and cell design Electrochemical energy storage Power & energy density Energy conversion efficiency Performances factors & optimisation Modelling, simulation & design Data science & statistics	Packaging and Safety Battery Testing and Monitoring Data Science Mechanical engineering Battery management systems DC system design Thermodynamic & Kinetic properties	EV types & technology Recharging infrastructure Vehicle to Grid Sustainable mobility Business models Policy & Regulation Batteries in trains &aircrafts	Smart buildings Sustainable living Energy management Power plants & VPP Smart grids, off grid systems, micro grids Battery banks Business models Policy & Regulation	Battery storage for solar power Control and regulation of wind turbines Coupling to fuel cells System optimization Cost calculation & life cycle analysis Policy & Regulation	Material properties & life cycles Rare resources processing & recovery Resource Chemistry Separation processes & technology Electrochemistry Control & process engineering Circular economy models Environmental management & legislation Standardization
Vocational & Professional	Material extraction, refinement Sourcing Logistics Measurement & control Chemical safety, waste handling Environment management (waste water handling)	Chemical processes Physical processes Chemical equipment design Measurement & control Chemical safety, waste handling	Physical processes (clean & dry room) Mixing, coating, drying Measurement & control Chemical safety, waste handling High speed mechanical assembly	Electro-mechanical manufacturing Automation Engineering Vehicle technology Power electronics Electrical safety	Electric vehicle fundamentals. Operation, diagnosis, and repair Batteries & Battery systems Electric motor controllers, invertors Diagnostic tools and equipment Troubleshooting	Energy installations, (incl. photovoltaic) Electric vehicle charging Automation/control Power electronics Digital skills Electrical safety	Robotics & automation Renewables & Electrical grids Digital skills Electrical safety	Material extraction, Refinement Chemical/physical processes Logistics Digital skills Chemical/electrical safety, Waste handling

European Battery Alliance Day
20th May 2021, Madird

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Maroš Šefčovič

European Commission Vice-President for Interinstitutional Relations and #Foresight. Coordinating the #EUBatteryAlliance.

View full profile

Maroš Šefčovič • 2nd
European Commission Vice-President for Interinstitutional Relations and #Fore...
1w •

Hats off! The #EUBatteryAlliance continues to deliver on the ground.

I am thrilled to be in #Spain for the first-ever MoU to implement our EU Battery Academy, a public-private partnership on learning services by industry for industry covering the entire #battery value chain.

Set to train 150,000 people in ES by 2025.

EOI Escuela de organización industrial

Stay competitive

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InnoEnergy
Knowledge Innovation Community

www.innoenergy.com

InnoEnergy is supported by the EIT,
a body of the European Union