2025-2028

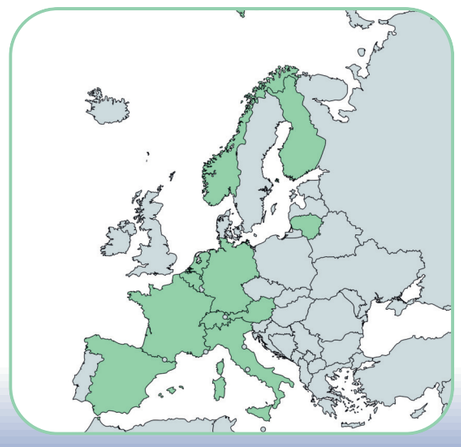
18 partners

11 countries

6.9M EU-funds

SPRINT

SHAPING EUROPE'S ENERGY FUTURE WITH SUSTAINABLE, SAFE, AND SCALABLE SODIUM-ION BATTERIES



SPRINT OBJECTIVE

As renewable energy grows, so does the need for safe, sustainable, and affordable energy storage. SPRINT is developing next-generation sodium-ion batteries—a safer, more sustainable, and cost-effective alternative to today's lithium-ion technology. With the support of 18 partners across Europe, SPRINT is scaling up quasi-solid-state technology using abundant, non-toxic materials, providing real-world demonstrations and a clear path to commercialisation.

SPRINT INNOVATIONS

Solid polymer electrolytes with solvent-free synthesis

Hard-carbon anodes derived from EU forest residues

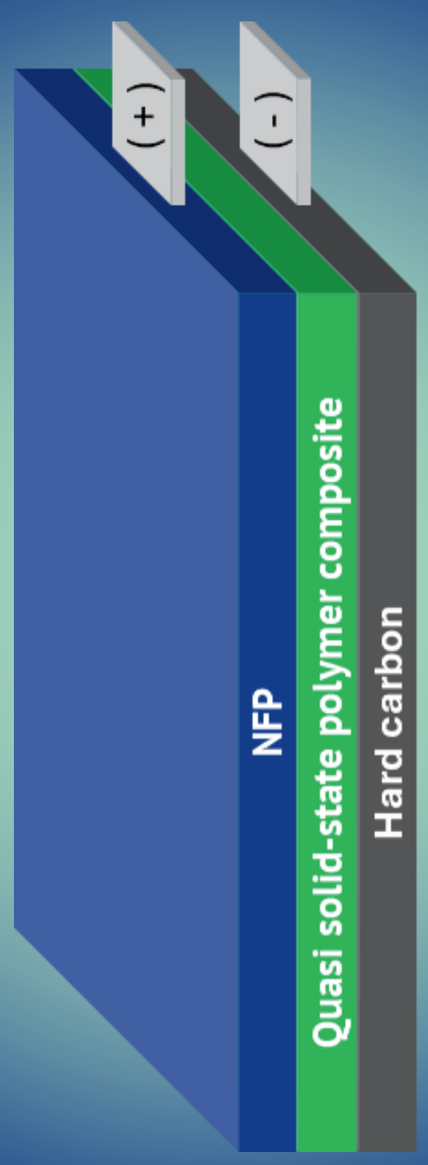
In-depth battery understanding

Optimised NFP cathode materials

Strategic operational interface optimisation

High safety, leak-free, non-flammable design

Dry electrode processing (incl. PFAS-free binders)



Energy density: >200 Wh/kg & >420 Wh/L

Power density: >500 W/kg

Cost: 0.04€/kWh/cycle

Cycle life: >5,000 cycles

GET IN TOUCH!

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Co-funded by the European Union