Altris and Ligna Develops the World's First Ultrathin Sodium-Ion Battery

Altris is taking another step in building a smarter and more resilient European battery ecosystem. Together with Ligna, Jemac and RISE, the company is developing the world's first ultrathin sodium-ion battery for next-generation connected electronics – an effort supported by Vinnova and fully developed in Sweden.

Together with Swedish partners Ligna and Jemac, Altris is developing the world's first ultrathin sodium-ion battery – designed for the next generation of connected electronics and produced entirely in Sweden. With this partnership, Altris and its partners strengthens the wider ecosystem, helping Europe advance toward a truly sustainable and competitive battery industry.

"Developing the world's first ultrathin sodium-ion battery shows what focused collaboration across the value chain can achieve. By combining our cathode technology with Ligna's manufacturing expertise and the capabilities of Jemac and RISE, we are accelerating innovation in Europe while reducing reliance on imported materials. Europe will not win by building bigger, but by building smarter – together", says Christer Bergquist, CEO of Altris.

With support from Vinnova, the project moves from concept to commercial reality by combining:

- Altris' industrialised sodium-ion cathode technology
- Ligna's roll-to-roll thin-cell manufacturing
- Jemac Sweden AB's hardware integration expertise
- RISE Research Institutes of Sweden's testing and validation capabilities

This collaboration demonstrates how focused specialisation across the value chain accelerates innovation and reduces Europe's dependency on imported battery materials. By pioneering ultrathin sodium-ion cells, Altris aim to unlock safer, more sustainable alternatives for small electronics, wearables and IoT.