

Colombes, 10th June 2024

## ARKEMA SHOWCASES INNOVATIVE AND LEADING MATERIAL PORTFOLIO AT THE BATTERY SHOW EUROPE 2024

Arkema, a global leader in specialty materials, is set to showcase a unique portfolio of solutions for electric vehicle (EV) and energy storage system (ESS) battery systems at the upcoming Battery Show Europe 2024 in Stuttgart, Germany, June 18-20, Booth #8-F10. For decades, the company has been supporting the battery industry through every stage of its evolution, by providing innovations for inside and outside the cell.

Arkema offers a unique and wide range of specialty materials, coatings and adhesives designed for both internal and external battery cell applications, supported by robust global manufacturing and supply capabilities.



"Arkema continuously invests to be at the forefront of innovation to help develop and industrialize the next generations of batteries," Woldemar d'Ambrières, said Market Manager Global for Batteries at Arkema. "It is our responsibility, as a global leader in specialty materials, to codevelop new solutions with our partners to help increase energy density and battery lifespan, enhance battery efficiency and improve their safety."

## INNOVATION AND INVESTMENTS FOR FUTURE GENERATION BATTERIES

Arkema's extensive global R&D network is focused on advancing material solutions to meet the demands of emerging technologies such as high silicon lithium-ion, sodium-ion, semisolid, and all-solid-state batteries.

Additionally, Arkema is investing significant R&D efforts into advancing dry process battery technologies, aiming to enhance energy storage efficiency and sustainability. Developments include innovative polymer materials and high-performance electrolytes.

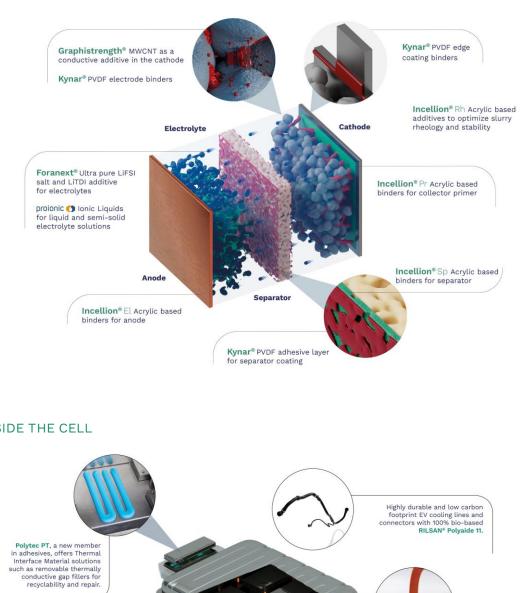
Arkema announced investments in 2 start-ups to strengthens its position as the partner of choice for co-developing the safer, more efficient and more sustainable batteries of the future:

- Tiamat, a pioneer in sodium-ion battery technology, will accelerate Arkema's development of technical solutions adapted to new lithium-free technologies.
- Proionic, a leading Austrian start-up in the production and development of ionic liquids compatible with gel polymer electrolytes for semisolid batteries.

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## INSIDE THE CELL



OUTSIDE THE CELL



Bostik high-performance structural adhesives for battery cells-to-cells, cells-to-module, and cells-to-pack assembly.

High-performance busbar insulation coatings with the 100% bio-based RILSAN<sup>®</sup> olyamide 11, KEPSTAN<sup>®</sup> PEKK and Polyimide films and varnish. Polya

High-performance busbar

Battery heat control and prevention of slow thermal runaway with ultra high-performance **polyimide films**.

Insulation with lower carbon-intensive footprint, using SARTOMER® solvent free UV curable specialties.

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## ARKEMA

ARKEMA'S MATERIAL OFFERING FOR BATTERIES includes KYNAR® PVDF cell cathode binders and separator coating, INCELLION™ acrylic based binders and additives for anode, separator and primer, FORANEXT® Ultra-pure LiFSI salt and LiTDI additives for electrolytes, GRAPHISTRENGTH® conductive additives, Bostik adhesives, Polytec PT Thermal Interface Materials, RILSAN® Polyamide 11 for EV busbar insulation and cooling lines, KEPSTAN® PEKK and Polyimide films, and SARTOMER® UV curable solutions for insulation.

To learn more, link <u>here</u> and visit the Arkema booth, #8-F10, at the Battery Show Europe 2024 in Stuttgart, Germany, June 18-20.

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Building on its unique set of expertise in materials science, Arkema offers a portfolio of first-class technologies to address evergrowing demand for new and sustainable materials. With the ambition to become in 2024 a pure player in Specialty Materials, the Group is structured into 3 complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 92% of Group sales in 2023, and a well-positioned and competitive Intermediates segment. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around € 9.5 billion in 2023, and operates in some 55 countries with 21,100 employees worldwide.

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