

Synthomer Invests in Battery Testing to Accelerate Cell Material Innovation

Synthomer Plc has invested in battery testing facilities to accelerate materials development for lithium-ion battery cells and other energy storage technologies. The facility was installed in 2020 at the company's UK Accrington site and is now fully operational, allowing the manufacture and test of batteries containing Synthomer's polymer and inorganic materials.

A growing number of battery manufacturers are taking advantage of Synthomer's Litex LB styrene-butadiene rubber (SBR) binders to improve the performance and lifespan of their anode systems. Synthomer is innovating further to offer enhanced solutions for the most demanding of transportation, storage and portable device applications, whilst reducing the environmental impact of battery processing.

Synthomer is also researching novel active materials for next generation battery technology through its wholly-owned inorganic chemical subsidiary, William Blythe. With over 175 years' experience in chemical synthesis, William Blythe possesses a range of manufacturing capabilities that can be utilised in the production of the rigorously defined, complex compounds that are required to deliver step changes in battery performance.

This new investment demonstrates Synthomer's commitment to market led and strategic innovation, as well as enabling growth in sustainable markets such as energy storage. We look forward to working with current and future partners in our new facility.

Commenting on the new capability Mike Butler, Business Development Manager at William Blythe, said "The capability to test electrochemical properties of materials is a step-change in William Blythe's ability to serve cell manufacturers. In recent years we have gained significant experience in the synthesis of a range of battery materials, with a particular focus on niche and graphene oxide based applications for lithium ion technologies and beyond. "

"This facility marks an important step in our ongoing work in ensuring we offer technology leading battery binders to the market" commented Tom Castle, Business Development Manager at Synthomer. "It will play a key role in supporting the continued development of next generation binders that meet our partners needs for high-performance batteries with superior energy capacity, lifespan and charging rates."

To learn more about Synthomer's Litex LB polymer binders please contact Tom Castle. For details on William Blythe's active material program please contact Mike Butler.

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