

AM4BAT

Gen. 4b Solid State Li-ion battery by additive manufacturing

Stakeholders Engagement Workshop

ANNOUNCEMENT

The AM4BAT Project is pleased to announce the Stakeholders Engagement Workshop aiming to bring together battery technology developers from industry and academia, manufacturers and end-users, who are leading the development of novel battery concept, from the synthesis of the materials, their modification, formulation and up-scaling, to the component printing and the cell assembly. This workshop is taking place in Cambridge, UK. Prior to this workshop an **introductory webinar** will be held on the **15th December 2023 at 11:00 CET**

When/Where

15th December 2023 at 11:00 CET - Webinar

1 February 2024 – Clayton Hotel Cambridge, UK

2 February 2024 - Visit to Photocentric, Peterborough
(transport to/from Cambridge will be provided).

Participation is **free** but registration is required. To register:

[click here](#)

This workshop will provide participants an opportunity to engage with the **AM4BAT** Project (<https://am4batproject.eu/>), learn about project development and partners, and their products and services. It will also give the opportunity to visit the facilities of the **AM4BAT** partner **Photocentric** (<https://photocentricgroup.com>), who are award-winning specialist resin and 3D printer manufacturer. The visit is scheduled for the 2nd February, with organised transport from and back to Cambridge (lunch provided to attendees). This workshop will also give the opportunity to engage with various stakeholders from the battery community, who will participate in the event.

The overall objective of **AM4BAT** is to develop an anode-free solid-state battery (SSB), fabricated by Vat Photopolymerization 3D printing by LCD reaching energy density of 400 Wh/kg and 1000 Wh/L for Electric vehicles (EV) applications. The assembly and validation of a 3-Ah cell is aimed with a charge capability of 70% of its total capacity in 5 minutes and cyclability of 3.000 cycles reaching 80% of the initial beginning of load. The rapid rise of electric mobility and renewable energies is pushing the market for Li-ion batteries to next levels. By 2030, global battery demand is expected to have grown 19-fold versus 2018 volumes. Commercial Li-ion reaches their limits with gravimetric and volumetric energy densities of 300 Wh/kg and 700 Wh/L.



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