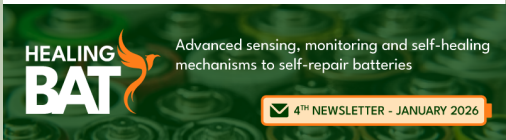


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Welcome to our first newsletter of 2026!
Or wait... Have you just arrived? We're glad you're here.

A new year brings new opportunities to innovate together. We're building a collaborative community because partnerships drive impact.

If this is your first issue, enjoy the highlights and subscribe so you never miss an update. If you're a regular reader, share this edition to help showcase HEALING BAT's science: smart sensors, real-time monitoring, and self-healing materials designed to make batteries safer, more durable, and ready for Europe's future.

In this edition, we look back at key milestones and events from 2025 that set the stage for an exciting year ahead. Ready to dive in? Here's how HEALING BAT is shaping the future of batteries one breakthrough at a time!

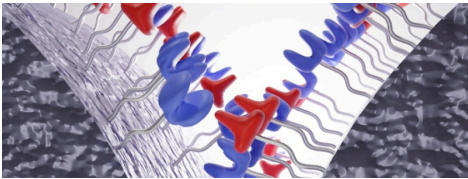
Find out more about the HEALING BAT project

 Our project partners

 Our work packages

 Our project resources

News & articles



HEALING BAT is featured in IDTechEx's Self-Healing Materials report

HEALING BAT was highlighted in IDTechEx: Self-Healing Materials 2025–2035, with a mention under Energy Storage for our work on self-healing batteries and intelligent monitoring.



HEALING BAT highlighted among BATTERY 2030+ CSA3 projects

As part of BATTERY 2030+, HEALING BAT is showcased under Battery Functionality. The CSA3 explainer video introduces the programme's five research areas and the projects driving Europe's next-generation battery innovation.



Featured in media: HEALING BAT's sense and repair toolbox

A recent magazine article spotlighted HEALING BAT's innovative approach to self-healing batteries, combining smart sensors, advanced materials, and intelligent monitoring to make energy storage safer and more sustainable.

Latest events



HEALING BAT's fourth General Assembly

The HEALING BAT consortium gathered on the 19th and 20th of June 2025 to celebrate the project's 4th General Assembly, just as it reached its halfway point.



HEALING BAT at the European Polymer Congress 2025

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Past Issues

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In June, the partner Delft University of Technology participated in the European Battery Consortium (IBAT) meeting in Delft, the Netherlands.

functionalised PDMS cross-linked with metal salts, demonstrating reversible adhesion, self-healing, and recycling potential toward safer, longer-lasting solid electrolytes.



HEALING BAT driving battery innovation at AABC Europe 2025

Coventry University represented the project at AABC Europe, one of the most influential EV battery gatherings, engaging OEMs, researchers and industry leaders across chemistry, manufacturing, raw materials, and battery intelligence.



Swiss Battery Days 2025

The Swiss Battery Days at ETH Zurich were co-organised by our partner PSI (Paul Scherrer Institut), together with Empa and the Swiss Battery Association (BAT). The event brought together early-career and senior researchers across battery materials, cell manufacturing, diagnostics, and industry-relevant topics, strengthening the link between academic research and real-world applications.



HEALING BAT Consortium Meeting at PSI

The consortium met at our partner PSI (Paul Scherrer Institut) premises to align next steps across materials, sensors, testing, and digitalisation, reinforcing coordinated progress toward self-healing batteries and robust systems engineering.

BATTERY
20-30+

+ Info

HEALING BAT is part of Battery 2030+, a large-scale research initiative to make Europe a world leader in the development and production of sustainable batteries of the future.

What's next for 2026?

As part of the Battery 2030+ initiative, HEALING BAT enters 2026 focused on advancing Europe's leadership in sustainable battery innovation. Expect deeper collaboration across research and industry, more demonstrations of autonomous repair in lithium-based technologies, and contributions to shaping standards for safer, longer-lasting energy storage. 2026 is all about turning prototypes into impactful solutions for Europe's green transition!

Do not miss any of our newsletters!

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HEALING BAT

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