Heartspace
Sep 18, 2025

heartspace

Home / Industry News / Cleantech / Article

← Back to Industry News

Cleantech ★

EU Project Develops Magnesium Batteries for Sustainable Energy Storage

Summary generated with AI, editor-reviewed

Heartspace News Desk September 18, 2025 Share

Funded by the European Union

Funded by the European Union's Horizon Europe research and innovation programme under the Grant Agreement No 101202882. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.



Photo by Brett Jordan on Unsplash

Key takeaways

- European researchers are advancing magnesium battery technology to offer a sustainable energy storage alternative
- The EU-funded HighMag project, coordinated by the AIT Austrian Institute of Technology, aims to deliver powerful, cost-effective batteries
- This initiative addresses the increasing need for efficient energy systems and electric vehicle power

European researchers are advancing magnesium battery technology to offer a sustainable energy storage alternative. The EU-funded HighMag project, coordinated by the AIT Austrian Institute of Technology, aims to deliver powerful, cost-effective batteries. This initiative addresses the increasing need for efficient energy systems and electric vehicle power. Magnesium presents advantages over lithium, including wider

Create alerts | Read original

Funded by the European Union

Funded by the European Union's Horizon Europe research and innovation programme under the Grant Agreement No 101202882. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

HighMag focuses on creating high-performance materials and optimizing cell structures. Pilot-scale testing will assess safety and recyclability. Project manager Dr. Yuri Surace stated, “With HighMag, we are developing sustainable, powerful, and cost-effective alternatives to lithium-ion batteries.” The team seeks to move this technology from labs to production. Environmental and safety aspects are integrated throughout development. The consortium comprises 13 European and Israeli institutions. They collaborate to prove the viability of magnesium batteries for future energy and mobility needs.

Related Topics

magnesium batteries energy storage sustainable technology lithium-ion alternatives

AIT Austrian Institute of Technology HighMag project

Want coverage like this for your company?
Local & industry wins build trusted proof, SEO/geo signals and prime national editors.
Check fit (2 min)

Read the full story on Source →

More Cleantech News

Cleantech

Forbes: Global Clean Energy Investment Reaches Record $3.3 Trillion in 2025

Create alerts Read original

Funded by the European Union

Funded by the European Union’s Horizon Europe research and innovation programme under the Grant Agreement No 101202882. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.