High energy density modular batteries for a sustainable construction industry

Fact Sheet

Project Information

WATTELSE
Grant agreement ID: 101009840

Funded under
PRIORITY ‘Societal challenges

Total cost
€ 2 358 500,00

EU contribution
€ 1 650 950,00

Coordination
WATTALPS
France

EC signature date
9 November 2020

Closed project

Start date
1 November 2020

End date
31 January 2023

Project description

Making construction equipment greener through innovative electric storage solutions

As the use of fossil fuel engines reaches an end, within the context of the EU’s climate targets, original equipment manufacturers (OEM) of non-road mobile machinery make a shift to electrification. This implies facing demanding needs in term of autonomy, productivity, operation cost and investment costs. The EU-funded
WATTELSE project will introduce a versatile, modular lithium-ion battery system using patented state-of-the-art technologies. WATTELSE’s tailored solution addressed to OEMs will deliver high power rate or high energy density, depending on the construction needs. WATTALPS’ modular lithium-ion battery system is designed to be repurposed and reused at the end of a first life. It is also optimised for dismantling and recycling when not usable anymore.

**Fields of science**

natural sciences  › chemical sciences  › electrochemistry  › electric batteries

social sciences  › economics and business  › economics  › production economics  › productivity

engineering and technology  › environmental engineering  › air pollution engineering

natural sciences  › earth and related environmental sciences  › environmental sciences  › pollution

engineering and technology  › civil engineering  › architecture engineering  › sustainable architecture  › sustainable building

**Keywords**

Non-Road mobile machineries  NRMM  Lithium-ion  batteries

**Programme(s)**

H2020-EU.3. - PRIORITY ‘Societal challenges

H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs

H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies

**Topic(s)**

H2020-EIC-SMEInst-2020-4 - H2020-EIC Accelerator pilot -SME Instrument - Green Deal

**Call for proposal**

H2020-EIC-SMEInst-2018-2020

See other projects for this call
Sub call

H2020-EIC-SMEInst-2018-2020-4

Funding Scheme

**SME-2 - SME instrument phase 2**

Coordinator

**WATTALPS**

Net EU contribution

€ 1,650,950,00

Address

410 rue aldo eriani, zone artisanale la pichatiere
38430 Morians
France

SME

Yes

Region

Auvergne-Rhône-Alpes > Rhône-Alpes > Isère

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding

€ 707,550,00

**Last update:** 27 December 2023

**Permalink:** https://cordis.europa.eu/project/id/101009840