



## ***KIT PRESENTATION AM4BAT***

Contact

Name: Daniel Martí  
[dmarti@leitat.org](mailto:dmarti@leitat.org)

## PROJECT OBJECTIVES –ENGLISH

**The project in a sentence:** **Development of solid-state batteries by 3D printing**

Next-generation lithium-ion batteries will **need to offer higher energy and power densities at a lower cost**. Current battery manufacturing is struggling to further improve these key metrics. The EU-funded AM4BAT project will leverage additive manufacturing **technologies for fabricating 3D lithium-ion batteries**. Using vat photopolymerisation 3D printing, the aim is to develop **a high-performance battery with energy density of 400 Wh/kg for electric vehicles**. AM4BAT outcomes will contribute to the creation of a sustainable European battery manufacturing value chain, helping the EU to succeed in the electric mobility rollout.

The overall **objective of AM4BAT is to develop an anode-free solid-state battery (SSB)**, fabricated by Vat Photopolymerization 3D printing **for Electric vehicles (EV) applications**.

## PROJECT OBJECTIVES –SPANISH

**El proyecto en una frase:** *Desarrollo de baterías de estado sólido mediante impresión 3D*

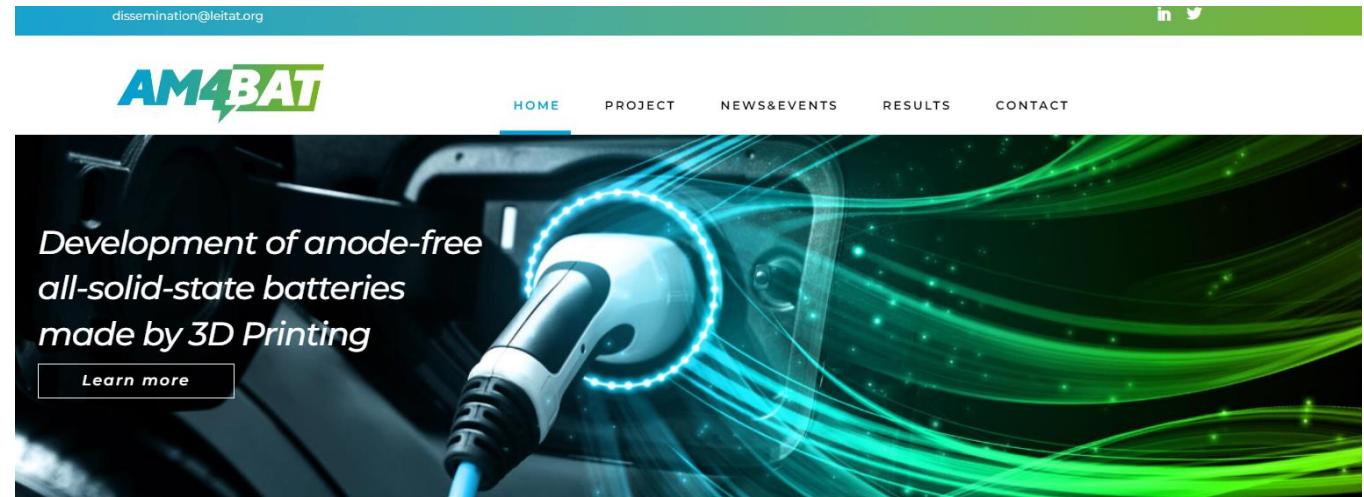
Es un proyecto que investiga sobre la **próxima generación de baterías de iones de litio** tendrá que ofrecer **mayores densidades de energía y potencia a menor coste**. La fabricación actual de baterías tiene dificultades para mejorar estos parámetros clave. El proyecto AM4BAT, financiado por la UE, aprovechará las tecnologías de fabricación aditiva (**impresión 3D**) para fabricar baterías de iones de litio en 3D. Mediante impresión 3D por fotopolimerización en cuba, el objetivo es desarrollar **una batería de alto rendimiento con una densidad energética de 400 Wh/kg para vehículos eléctricos**. Los resultados de AM4BAT contribuirán a la creación de una cadena de valor europea sostenible para la fabricación de baterías, ayudando a la UE a tener éxito en el despliegue de la movilidad eléctrica. El objetivo general de AM4BAT es **desarrollar una batería de estado sólido (SSB) sin ánodo**, fabricada mediante impresión 3D de fotopolimerización en cuba por LCD para aplicaciones en **vehículos eléctricos (EV)**.

- Leitat coordinates and leads the project with 7 European partners (countries involved: Spain, France, Austria, Belgium, Germany, Czech Republic and England).

Leitat coordina y lidera el proyecto con 7 partners europeos. (países involucrados: España, Francia, Austria, Bélgica, Alemania, República Txeca e Inglaterra)

## AM4BAT Website

<https://am4batproject.eu>



### About the Project

Development of all-solid-state batteries made by 3D printing

Next-generation lithium-ion batteries will need to offer higher energy and power densities at a lower cost. Current battery manufacturing is struggling to further improve these key metrics. The EU-funded AM4BAT project will leverage additive

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)

## ***Task 9.1 Dissemination and Communication***

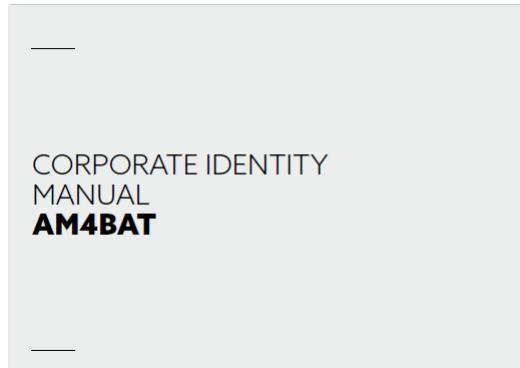
### **Logo**

The brand: The project's logo has been created according to its most relevant features. First, the blue to green gradient, meaning energy and sustainability. The lighting inside the number 4, representing the power and then, the capsule between the letters BAT, referring to the solid-state batteries.



## Task 9.1 Dissemination and Communication

### Corporate identity manual



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### APPLICATIONS

These are the only variants of the brand that can be used for communication and promotion AM4BAT's elements.

A more simplified version (responsive version) of restricted use is provided for exceptional cases in which it is necessary to use smaller files, such as in the profile picture (website) on social networks.

The variants shall be used in the same way as in the original mark.



### TYPOGRAPHY

#### Corporate typography

**TT NORMS**

TT Norms All the	TT Norms Medium	TT Norms Bold
TT Norms Extra	TT Norms Extra	TT Norms Extra
TT Norms Light	TT Norms Light	TT Norms Light
TT Norms Regular	TT Norms Regular	TT Norms Regular

#### Complementary font

**MONTserrat**

Montserrat Light	Montserrat Regular
Montserrat Medium	Montserrat Bold

#### Substitute font

**Arial**

Arial Regular	Arial Bold
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## Task 9.1 Dissemination and Communication

Linkedin:

<https://www.linkedin.com/company/am4bat/>



AM4BAT Project  
@am4batproject

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101069796.

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*THANK YOU*