



Solid-statE lithium
metal bAttery
wiTh in situ
hyBrid ELecTrolyte

Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
INVESTMENT PROGRAMME (2021 - 2027)

HORIZON-CL5-2021-D2-01
DG/Agency: CINEA



HORIZON EUROPE PROGRAMME – HORIZON-CL5-2021-D2-01-03
Advanced high-performance Generation 4a, 4b (solid-state) Li-ion batteries
supporting electro mobility and other.

SEATBELT project – Grant Agreement no. 101069726



DELIVERABLE 9.2

**Communication materials and visual identity
of SEATBELT**



Funded by
the European Union



Synopsis description

Item	Description	Date (dd.mm.yyyy)
Deliverable No.	D9.2	
Related WP	WP9	
Deliverable Title	Communication materials and visual identity of SEATBELT	
Deliverable Date	31 December 2022	
Deliverable Type	REPORT	
Dissemination level	Public (PU)	
Written by	Claire Testori (CNRS)	25.11.2022
Checked by	Irune Villaluenga (UPV)	09.12.2022
Approved by	Didier Devaux (CNRS)	14.12.2022
Status	Final	

SEATBELT consortium

No.	Participant	Acronym	Type	Country
1	Centre National de la Recherche Scientifique	CNRS	RTO	FR
2	Commissariat à l'Energie Atomique et aux Energies Alternatives	CEA	RTO	FR
3	Polykey Polymers	PK	SME	ES
4	Life Cycle Engineering	LCE	SME	IT
5	Centre De Recherches Metallurgiques	CRM	RTO	BE
6	Consejo Superior de Investigaciones Científicas	CSIC	RTO	ES
7	Blue Solutions	BS	IND	FR
8	Münster Electrochemical Energy Technology	MEET	UNI	DE
9	Universidad Del Pais Vasco	UPV	UNI	ES
10	Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg	ZSW	RTO	DE
11	CIC energiGUNE	CICe	RTO	ES
12	Institut Laue-Langevin Europe	ILL	RTO	EU
13	Renault	Renault	IND	FR
14	Euro Support Advanced Materials	ES	IND	NL
15	Imperial College of London	ICL	UNI	UK



Table of content

1. Overall project presentation.....	4
2. Deliverable presentation	4
3. Acknowledgment	4
4. SEATBELT Logo	5
5. SEATBELT Website	5
6. SEATBELT Social networks	7
7. SEATBELT Goodies.....	8
8. SEATBELT Templates	8

Disclaimer



Funded by the
European Union

Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them. This project also contributes to the objectives of the Batt4EU Partnership under call topic ID: HORIZON-CL5-2021-D2-01-03 (Advanced high-performance Generation 4a, 4b (solid-state) Li-ion batteries supporting electro mobility and other applications).

1. Overall project presentation

As of 2025, new generations of Li batteries based on silicon/carbon (Gen. 4a) and Li metal (Gen. 4b) anode, where flammable liquid electrolyte is replaced by a non-flammable solid-one, will take over the current Li-ion device. However, only all-solid-state Gen. 4b Li batteries are expected to fulfil the needed cell gravimetric energy density specifications demanded by electromobility and stationary applications. Therefore, SEATBELT ambition is to generate a local EU industry that revolves around a cost-effective, robust all-solid-state Li battery comprising sustainable materials by 2026. SEATBELT intends to achieve the first technological milestone of developing a battery cell (TRL5) meeting the needs of Electric Vehicle (EV) and stationary industry. The low-cost SEATBELT cell is safe-by-design with sustainable and recyclable materials, reaching high energy densities (>380 Wh/kg) and long cyclability (>500 cycles) by 2026 in line with the 2030 EU targets. The cells are produced by low-cost solvent-free extrusion process comprising a combination of innovative materials: thin Li metal, hybrid electrolyte, a safe cathode active material without critical materials and thin Al current collector. The cell design being optimized by interface (operando and atomistic modelling) and process (machine learning) methodologies. In addition, new in situ imaging instrumentation will be developed to investigate safety properties and mechanical deformation to assess cell safety in real conditions. An innovative recycling cycle from materials to cell level will be also established. Thus, SEATBELT will be the start point of a first EU all-solid-state battery value chain, whose main players in RTD and Industry sectors are within the consortium. So, cells and modules will cycle using industrially relevant protocols dedicated to EV and stationary applications. SEATBELT consortium is composed of 14 beneficiary partners and 3 affiliated entities, and one associated partner, from 7 European countries.

More information at:



Project website: <https://seatbelt-project.eu/>

CORDIS website: <https://cordis.europa.eu/project/id/101069726>

2. Deliverable presentation

To ensure a widespread dissemination to the public of the results of the SEATBELT project, specific communication materials and a strong visual identity was created. The objective is to promote the results to the identified stakeholders (general public, industry, academics, RTOs, commercial intermediates, policymakers, etc). This deliverable describes the SEATBELT logo, the website, the different social media accounts as well as the advertisement goodies and the computer office template. The dissemination tools were developed by CNRS and are managed by CNRS with the contributions from all the project partners.

3. Acknowledgment

The author(s) would like to acknowledge all the consortium partners for their work on this deliverable.

4. SEATBELT Logo

The project logo is presented in **Figure 1** and was specifically created and produced by the CNRS communication department based on the solid-state battery cells and the outcomes of the project. All over the course of the project and for any purpose related to the project, even after its ends, the logos will be used on all the dissemination tools (website, social media, presentation, press communication, etc.).



Figure 1. The SEATBELT logo with a) the developed name of the project and b) just the acronym.

The logo is composed of:

- The acronym on the **letter S** represents recycling.
- The horizontal lines on the **letters E** represent the battery gauge.
- The **star** at the bottom of the logo represents the stars of Europe.

For reference, the color code of the logo is indicated below in **Figure 2**:

	C85 M50 J0 N60	R16 V60 B98	#103C62
	C75 M0 J100 N0	R58 V170 B53	#3AAA35
	C50 M0 J100 N0	R149 V193 B31	#95C11F
	C29 M8 J100 N2	R198 V198 B0	#C6C600

Figure 2. Color codes (CMYK, RGB, and HEX) of the SEATBELT logo.

5. SEATBELT Website

The website is the main entry point and gateway to communicate all public information related to the SEATBELT project, the consortium partners, previous and upcoming events, etc. In addition, the communication tools (logo, templates) can be found on the website. For completeness, the website was created in September 2022 in Wordpress format. The design and implementation of the website was done by the SEATBELT project engineer (CNRS) in conjunction with the project coordinator.

The website is found on the following page: <https://seatbelt-project.eu/>

Navigation within the website is easy and intuitive. Indeed, on the top of each page the navigation menu can be found. From the menu it is possible to select the following topics: Home, CINEA, News, Partners, Project, Conferences, Deliverables, and Contacts. The navigation menu is supported by a considerable number of hyperlinks which directs the visitor to the right pages. The website is composed of different tabs such as:

- **Homepage** (see **Figure 3** below for an example): The project presentation with all important information and a summary of the project.
- **CINEA**: Presentation and link to the CINEA organization.

- **News:** Presentation of the last project news. This section is intended to be updated regularly all along the course of the project as well as after its official end. Whenever an information is communicated to the stakeholders, this News tab will be updated with videos and/or pictures whenever possible.
- **Partners** (see **Figure 4** below for an example): Presentation of the consortium partners (beneficiaries and non-beneficiaries) with the organization chart and link to their official organization website. A European map acts as entry point to this section pinpointing the partner locations. In addition, when clicking to one of the partners, the visitor will be directed to a page comprising the link to the partner website, a short description and the involved persons (with their pictures).
- **Project:** Presentation of the project by a direct link to the CORDIS website of SEATBELT.
- **Conferences:** Presentation of the past and future conferences, workshops, congress for which the SEATBELT members participate to previous the results. This section will be updated regularly.
- **Communication:** Presentation of the produced SEATBELT goodies and the SEATBELT logo.
- **Contacts:** Contact details of the project engineer and coordinator. In addition, direct link to the LinkedIn and Twitter pages of the project are included.



Figure 3. The SEATBELT website homepage.

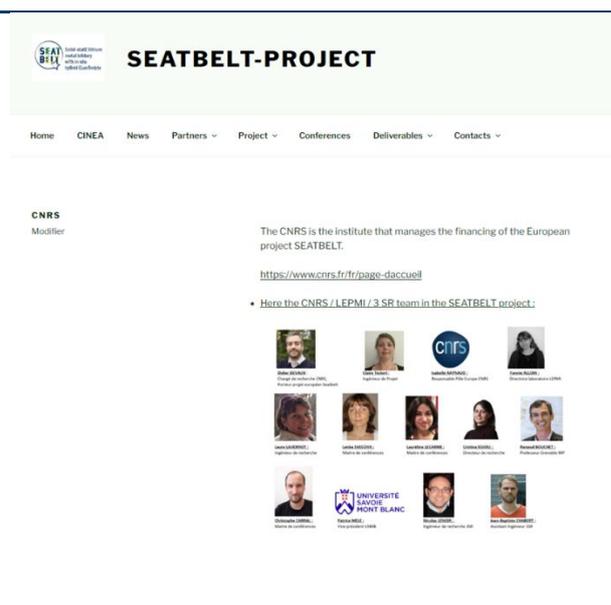


Figure 4. Example of one partner page (CNRS here for the example).

6. SEATBELT Social networks

Two main social networks are used to disseminate results, news, information to the targeted stakeholders: 1) LinkedIn and 2) Twitter. For the former, LinkedIn is a professional-orientated network which permits to target professional, journalists, scientists on a worldwide scale. For the latter, Twitter is a general public-orientated network which permits to quickly disseminate a news or a hot topic to a more general audience. In addition, registration to other social networks will depends on the dissemination actions and levels needed to achieve bases on the results and outcomes of the project with for example Instagram or Mastodon. Moreover, depending on their policy evolution and new restrictions, some social media may be unregistered.

- **LinkedIn** (see **Figure 5** below for an example): The project is presents and regular posts are done with also one post per partners with their logos and pictures.
 - Link: <https://www.linkedin.com/in/projet-seatbelt-6b6325246>.
- **Twitter** (see **Figure 6** below for an example): The project is also presented with regular posts made of small videos.
 - Link: <https://twitter.com/SEATBEL97383409>.

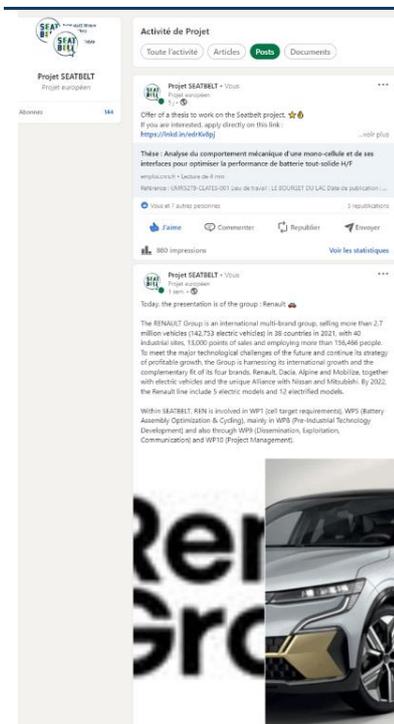


Figure 5. The SEATBELT LinkedIn.

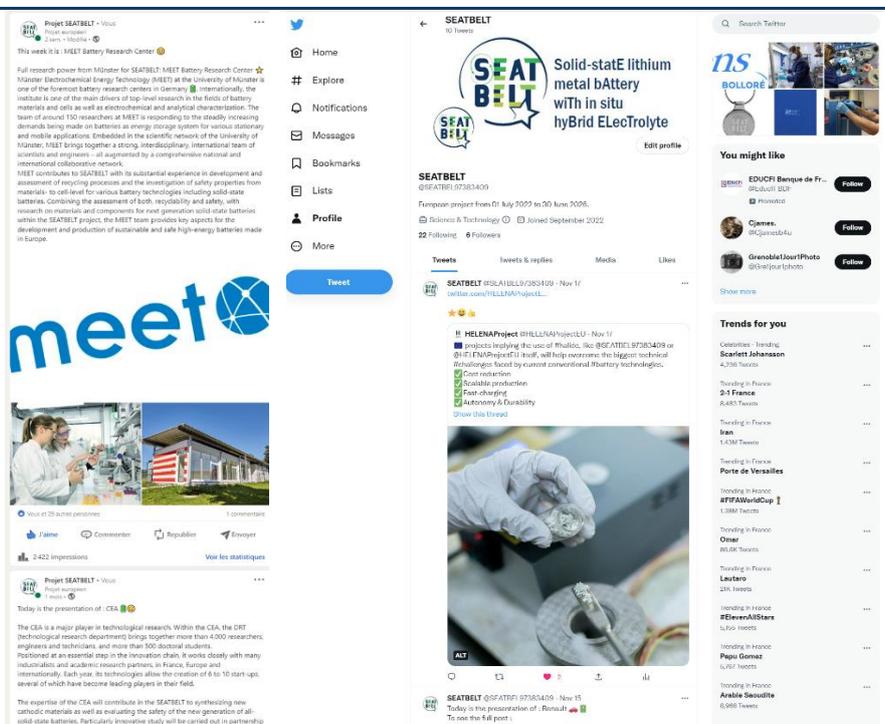


Figure 6. The SEATBELT Twitter.

7. SEATBELT Goodies

For the project, several goodies were created and are intended to be distributed to the different partners and encountered stakeholders during the trips and conferences in which the researchers will participate to present the project. The first series of goodies consists in a blue notebook and a round key displayed in **Figure 7** and **Figure 8**, respectively.



Figure 7. SEATBELT notebook goodies

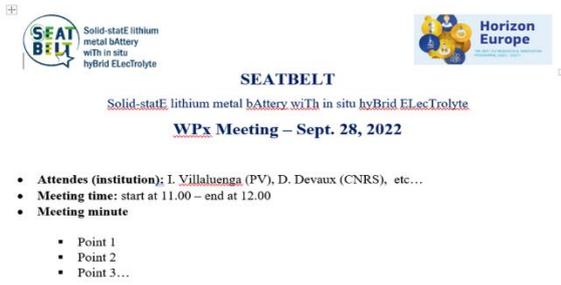


Figure 8. SEATBELT round key goodies.

8. SEATBELT Templates

To ensure a proper dissemination of the results and acknowledgement of the project and the EU institution, two templates were designed and adapted to the content intended to be communicated either internally within the consortium partners and externally for public audience.

- **Internal communication:** the template is shown in **Figure 9** for internal communication and reporting to be used by all consortium members for the different WPs. This template will be used to generate meeting agenda as well as minutes of online and onsite meetings.
- **Deliverable template:** this document is intended to be used as a template for the deliverables produced all along the project. Indeed, this document contains all the essential and mandatory parts for a deliverable report such as a front page with titles, disclaimer, reference to the EU project, description of the project and acknowledgement.
- **Presentation template:** the template is shown in **Figure 10** and is used to disseminate results within the project partners as well as outside the consortium for example during oral presentation (workshop, conference, etc.).



SEATBELT
 Solid-statE lithium metal bAttery with in situ hyBrid ELecTrolyte
WPx Meeting – Sept. 28, 2022

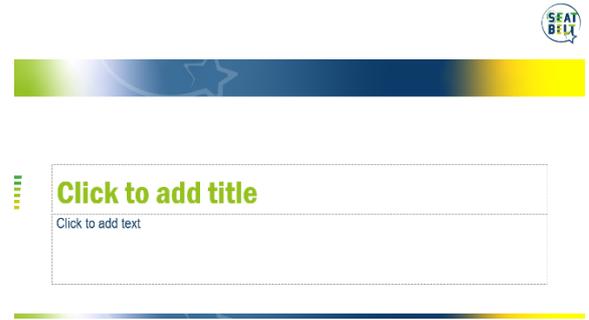
- **Attendes (institution):** I. Villaluenga (PV), D. Devaux (CNRS), etc...
- **Meeting time:** start at 11.00 – end at 12.00
- **Meeting minute**
 - Point 1
 - Point 2
 - Point 3...



SEATBELT Solid-statE lithium metal bAttery with in situ hyBrid ELecTrolyte
 Horizon Europe
 HORIZON-CL5-2021-D2-01-03
 DG/Agency: CINEA

Click to add title
 Click to add subtitle

Funded by the European Union



SEATBELT

Click to add title
 Click to add text

Figure 9. SEATBELT template for internal communication.

Figure 10. SEATBELT template for presentation.