

Department for Research, Innovation and Business
Development

The Sustainable Battery Value Chain of the Future

The Swedish Energy Agency welcomes project proposals from researchers focusing on the sustainable battery value chain for increased energy and resource efficiency and circular processes.

This text has been machine translated. The full version of the call is only available in Swedish. If there are any uncertainties, please refer to the Swedish text.

About the call

This call is conducted within the Swedish Energy Agency's research program Sustainable Battery Value Chain. The call is open for applications across the entire thematic breadth of the program (more information [here](#)). All project proposals with the potential to contribute to the program's goals are welcome. In this call, we particularly seek projects within one or more of the following areas:

- New and developed battery chemistries that can contribute to increased resilience and reduced pressure on strategic critical value chains for Sweden and the EU.
- New knowledge and skills that strengthen the ability to produce components, cells, or raw materials for batteries.
- Development of equipment and/or technology necessary for various types of manufacturing or recycling processes for the battery value chain.
- Projects on cell and battery system modelling or development of modelling tools for battery systems, with increased detail for optimizing performance and lifespan for various applications within both vehicle applications as well as electrical systems, including property and industrial applications.
- The call is also open for project proposals conducted in international research collaboration across the thematic breadth of the program, with the opportunity to position the Swedish and European battery value chain in an international context. We particularly seek collaborations where one or more parties are geographically based in one of the following countries: Japan, South Korea, the Nordic countries (Norway, Finland, Denmark, and Iceland), Germany, Spain, France, and Canada. The Swedish Energy Agency will primarily only provide support to project parties that have operations in Sweden. Support can be given to project parties without operations in Sweden in exceptional cases (see appendix 1 in the Swedish version of the call for more information).

Collaboration is important, and research projects that are connected to industry, academia, and society are sought to facilitate the dissemination and further use of research results. For example, this can be done through:

- Projects in collaboration between actors in different parts of the battery value chain and/or in different industries in Sweden and internationally.
- Projects where individuals work within academia instead of industry for a period, or vice versa.
- Collaboration activities such as seminars where the project's results are presented in a broader context or where companies are given the opportunity to evaluate developed battery concepts to contribute to the ecosystem's competence development.
- Activities for communicating knowledge bases for policy development and policy recommendations to decision-makers in relevant forums.
- Reference groups.

The project should contribute to achieving one or more of the following goals:

Date
12 May 2025

- New and further developed cost- and resource-efficient battery concepts for storage and use in electrical systems, and vehicles have been developed.
- World-leading knowledge and competence among both Swedish researchers and companies have been developed in:
 - Mature and immature battery technology for use in electrical systems, vehicles, and crafts.
 - Energy- and resource-efficient processes for producing components, cells, or raw materials for cells.
 - Sustainable and cost-effective recycling processes and recycling methods.
- A developed close collaboration and an active network between academia and industry, and an expanded battery research activity within both Swedish companies and academia.
- International research collaboration in the battery value chain with the countries specified in the call has been developed.
- Relevant knowledge bases for policy development have been produced.

Projects concerning battery development should adhere to the publication guidelines developed within “[Reporting methodologies – Batteries Europe](#)”. The Swedish Energy Agency views this method positively for creating uniformity, but it is not part of the assessment.

The call refers to support in the form of grants. In this call, a total of approximately 120 million SEK is available for the project parties that are granted support.

Project proposals that fall within the breadth of the program but involve experimental research to a greater extent, are larger pilot and demonstration projects, or focus on research questions on application challenges with less focus on the battery, are referred to calls within other relevant programs, such as [Pilot-och demo](#), [Framtidens elsystem](#) or [FFI](#).

Please see the full version of the call for more information (only in Swedish).