

Advanced Digitalisation Programme

Powerful, long-term and collaborative

The research and innovation programme Advanced Digitalisation aims to accelerate Sweden’s ability to develop and use new digital technologies and digital services in industry. It will give Swedish industry a leading role in the digital solutions of the future. It is crucial that we succeed, both for the industry’s global competitiveness and society’s climate transition, welfare and security.

The programme was started in 2021 by ABB, Ericsson, Saab, the Association of Swedish Engineering Industries (Teknikföretagen) and Sweden’s innovation agency Vinnova, with the vision of a

clear digital leadership. The vision means that Sweden and Swedish businesses should be among the global leaders when it comes to the development of digital technology in selected areas of strength and to quickly introduce and see the effects of new technology in different industries and sectors of society.

Advanced digitalisation refers to the new opportunities arising from advanced technologies in areas such as electronics, information and communication technology, software-intensive systems, as well as open data and industrial platforms.

The programme has formulated six overall objectives:

- › **Contribute** to the next generation of advanced, powerful and secure digital solutions – developed in Sweden.
- › **Strengthen** Sweden’s attractiveness when it comes to research and innovation investments.
- › **Contribute** to upskilling and implementation capacity of Swedish businesses in the field of advanced digitalisation.
- › **Ensure** increased competitiveness for Swedish industry, operating in Sweden.
- › **Provide** a platform for collaboration and work as a knowledge hub for other Swedish initiatives in the field of digitalisation.
- › **Contribute** to society’s digital transformation, sustainable development and the efforts to achieve the Swedish environmental objectives.

This happens within the programme

The programme will run at least to 2030 and will be implemented with resources from industry, academia, research, public organisations and other actors. The initial budget during the years 2021–2024 is around SEK 1.2 billion. The budget is gradually being developed with the goal to cover around SEK 2 billion per year, half of this is public funds and half is co-financing from industry.

The programme will be transparent. The main principle is that funds from the reserved budget are distributed through open and transparent processes where project selection takes place in free

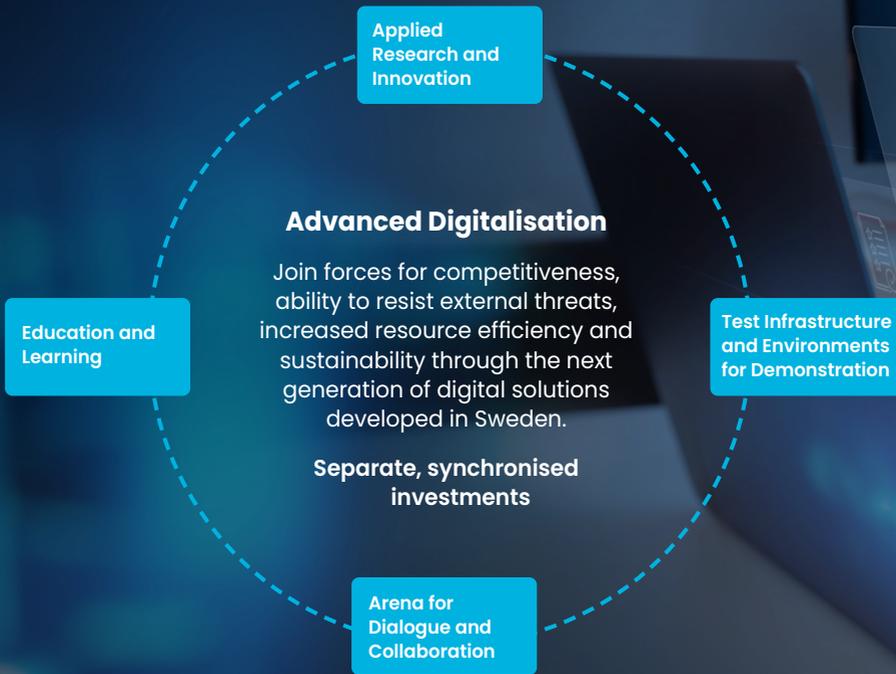
competition. Allocation of funds is made through open calls and includes, for example, feasibility studies, research and innovation projects or innovation competitions. This is complemented by funding of individual projects, project proposals in other innovation programmes and support for Swedish participation on the international scene.

In order to realize the programme’s ambitions, participants from industry, universities, research institutes, public organisations and other actors will be offered participation in exciting and innovative projects.

Organization of the programme

Strategic decisions and working methods are produced by the programme’s Board of Directors and The Reflection group. The programme is managed and coordinated by the programme office.

Vinnova is responsible for the programme’s calls. Ongoing work, in preparation for calls and analyses, also takes place in programme councils and working groups.



The programme's ambition and approach

The **ambition** of the programme is to be long-term and powerful and to serve as a platform for national collaboration on advanced industrial digitalisation. The programme also strives to contribute to gathering forces for a sustainable and digitalised Sweden by 2030. The joint effort from industry and the public sector is crucial for the programme's contribution not only to Sweden's transition towards increased sustainability with a lower climate footprint, but also for taking a leading position in the digital field worldwide. Together, we aim to achieve a significant and lasting change.

Through four areas of intervention – Applied Research and Innovation, Test Infrastructure and Environments for Demonstration, Education and Learning and Arena for Dialogue and Collaboration – the programme will contribute to strengthening Sweden's competitiveness, increasing the ability to quickly adapt new digital solutions, strengthen industry-relevant research and create world-leading test environments. The programme's efforts will also contribute to reduced climate impact and a safer digital environment.



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