



Advanced Digitalisation

The research and innovation program

Long-term, powerful and collaborative

Advanced Digitalisation



13:20 – 13:35	Overview of Advanced Digitalisation – Lena Backlund • The Advanced Digitalisation program • Focus within Digital infrastructure and communication
13:35 – 13:50	SweWin Competence Center Emil Björnsson (Professor, KTH Royal Institute of Technology)
13:50 – 14:05	WiTECH Competence Center Tommy Svensson (Professor, Chalmers University of Technology)
14:05 – 14:20	ISAC – Ericsson sensing testbed and Advanced Digitalisation project Peter Almers (PhD, Ericsson)

We are



Advanced Digitalisation is built on a partnership between Swedish industry and the state to strengthen competitiveness, enable a sustainable transition, and promote security in a changing world.

The challenges are shared, and we need to work together to meet them.

The partnership entails a joint commitment to collaborate with determination and a long-term perspective.

In the programme, we identify industrial needs and opportunities linked to the goals and share the risk of implementing initiatives through 50/50 financing.



We want



Advanced Digitalisation has been founded on a clear vision that Sweden will continue to be a leading nation in innovation and research.

Through our combined efforts, we aim to see next-generation digital solutions developed here - at an accelerated pace.

We strive to promote initiatives grounded in relevant, up-to-date challenges—and in doing so foster mobilization, collaboration and broad synergies.

We are committed to ensuring that the efforts we support today build the knowledge base needed to develop tomorrow's advanced solutions.



Ambition and strength

- In March 2023, the government announced that the state will contribute SEK 2.3 billion to Advanced Digitization through 2027.
- In the 2024 Research and Innovation Bill—*and in a mandate to Vinnova for 2025*—these funds were further supplemented.
- The programme represents a billion investment, since the partnership requires industry to match the state's contribution on a one-to-one basis.
- The partnership's ambition is for the programme to continue at least until 2031, with a budget at least as large as it is today.





Industry i focus

The Board of the Advanced Digitalisation program



SAAB



V O L V O



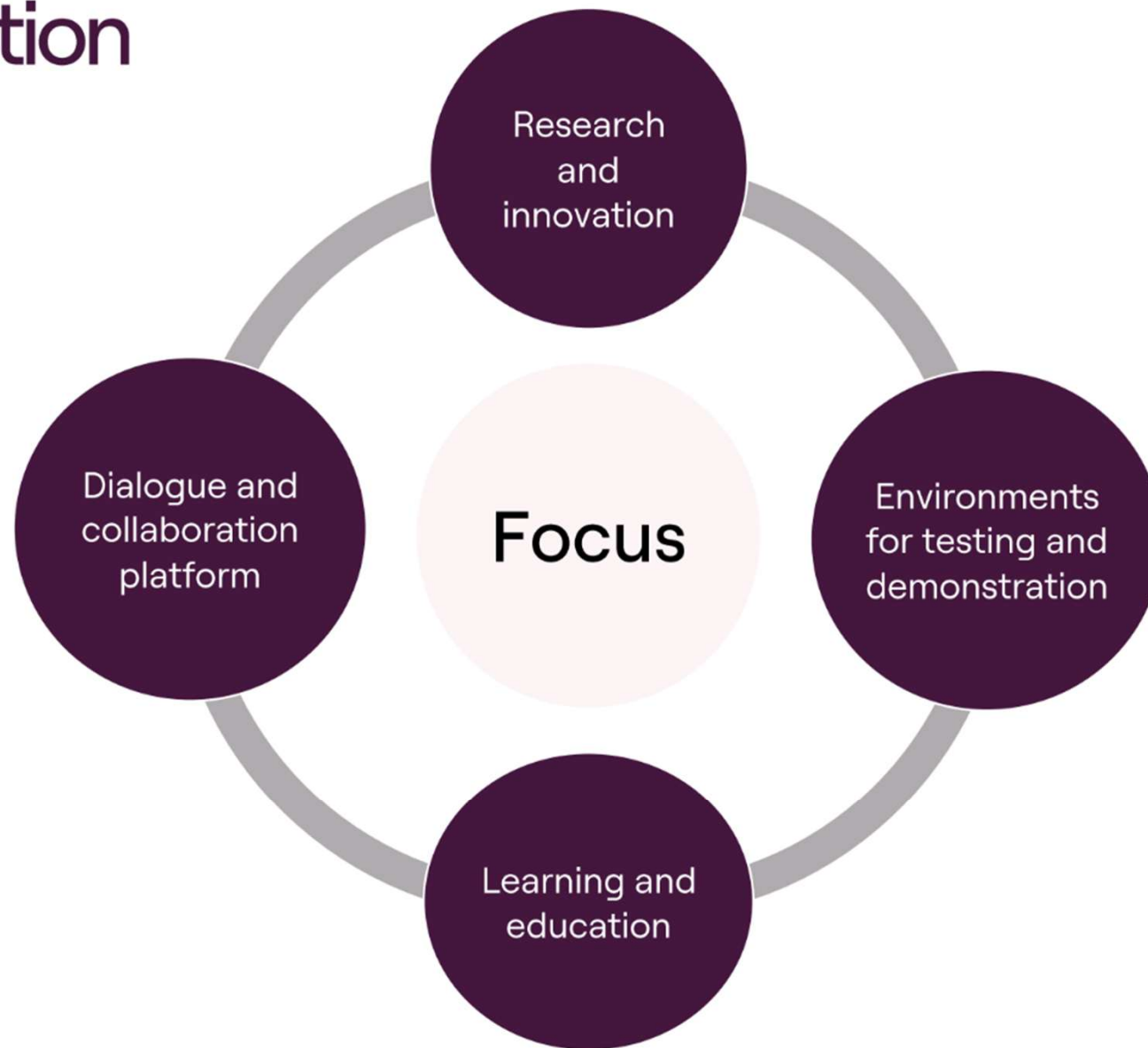
SWEDISH INCUBATORS
& SCIENCE PARKS



Teknikföretagen
Technology Industries of Sweden

VINNOVA

Areas of action



Portfolio data



379

Granted projects

800+

Unique actors

410 mnEUR

Amount invested in projects

Out of which EUR 100 million are
projects within Digital infra&com

Focus areas 2026

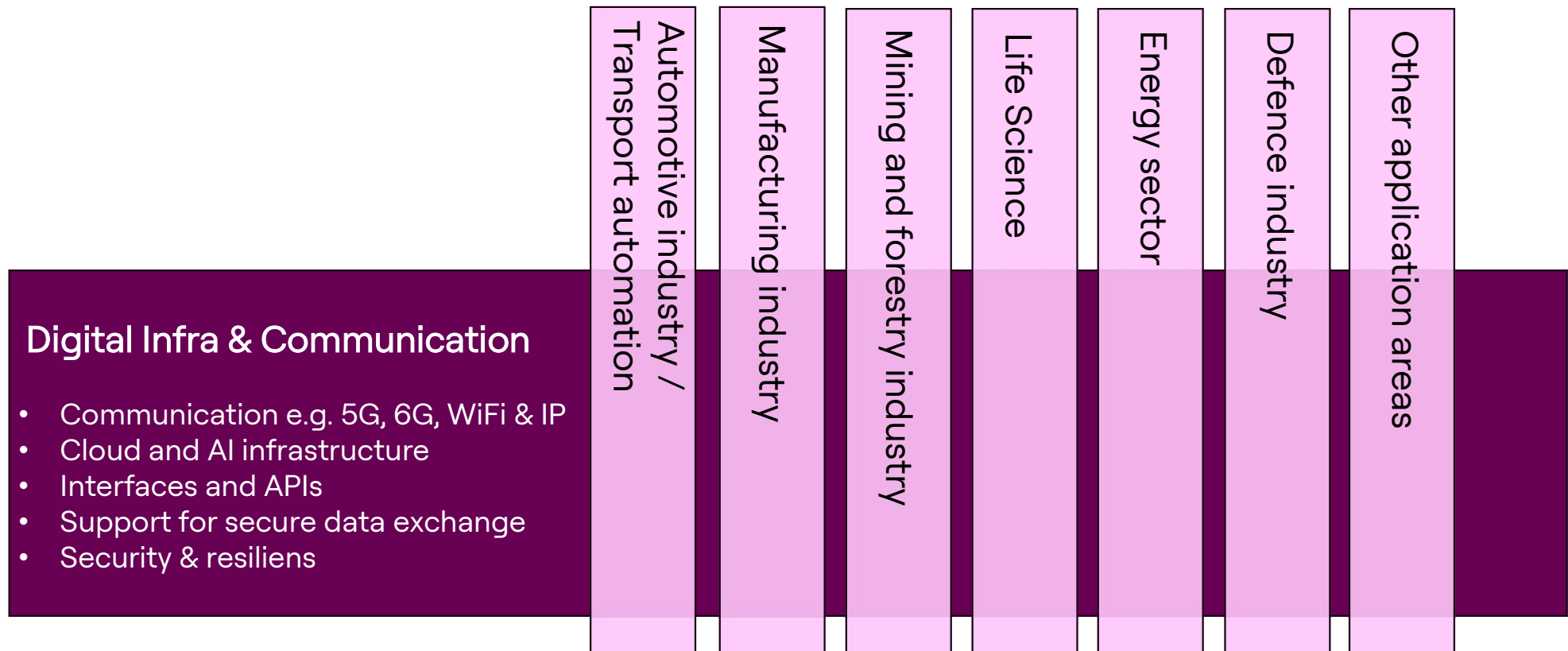


- Advance digital infrastructure and communication to boost innovation
- Accelerate data interoperability and AI development
- Ensure cybersecurity and digital resilience
- Drive flexible energy management
- Promote learning and competence
- Strengthen the early phase – deep-tech and startups
- Utilize international collaboration

Digital Infrastructure & Communication



Application Areas / Sweden's strong industrial sectors



Industry needs

Digital infrastructure & communication



Enable industry to leverage the latest wireless technologies – to drive efficiency and automation.

Enable possibilities to test new industrial applications more quickly and easily, using the latest digital infrastructure.

Infrastructure must be robust, resilient to disruptions, secure by design, and ensure digital sovereignty.

Growing data volumes require more capacity for AI training, simulations, and data analysis — driving demand for computing power.

Enable early industrial adoption and testing of 6G and satellite communication technologies – to be first to benefit from new capabilities.

13:35 – 13:50

SweWin Competence Center

Emil Björnsson (Professor,
KTH Royal Institute of Technology)

13:50 – 14:05

WiTECH Competence Center

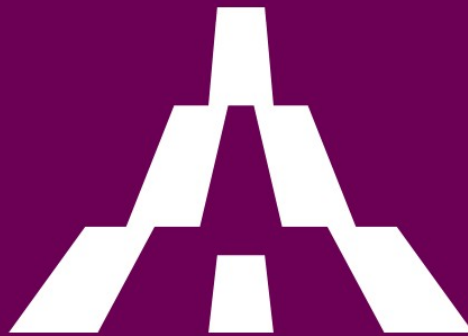
Tommy Svensson (Professor,
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ISAC – Ericsson sensing testbed

Peter Almers (PhD, Ericsson)

Case



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