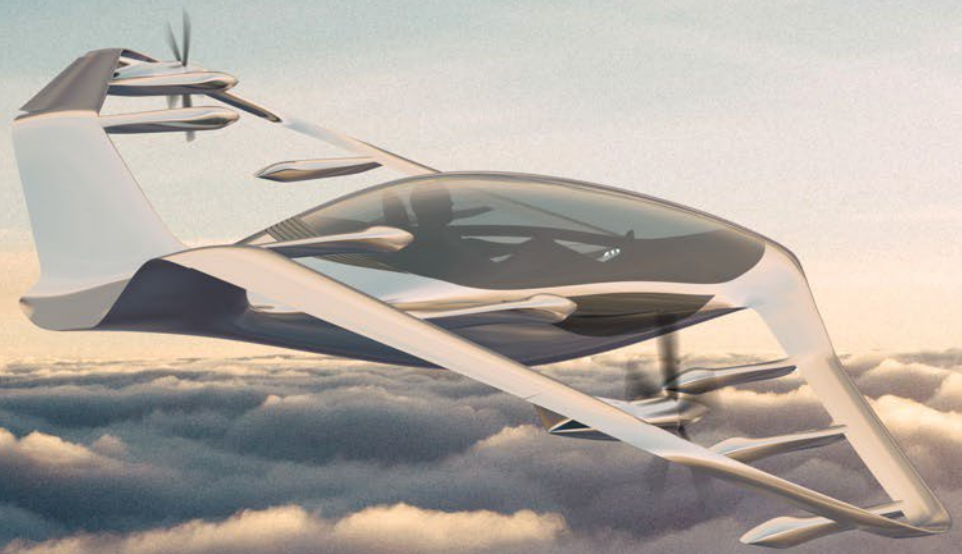
Image credit: Katla Aero



A sneak peak for MODPROD into:

Aero EDIH

a European Digital Innovation Hub

Funded by the European Union

Independent Business Group

LINKÖPINGS UNIVERSITET

RI. SE

NORRKÖPING SCIENCE PARK

Region Östergötland

The European Digital programme 2021 - 2027

5 key areas to accelerate the recovery of European economy and boost the digital transition of Europe

Ensuring a wide use of digital technologies 1.1 B€

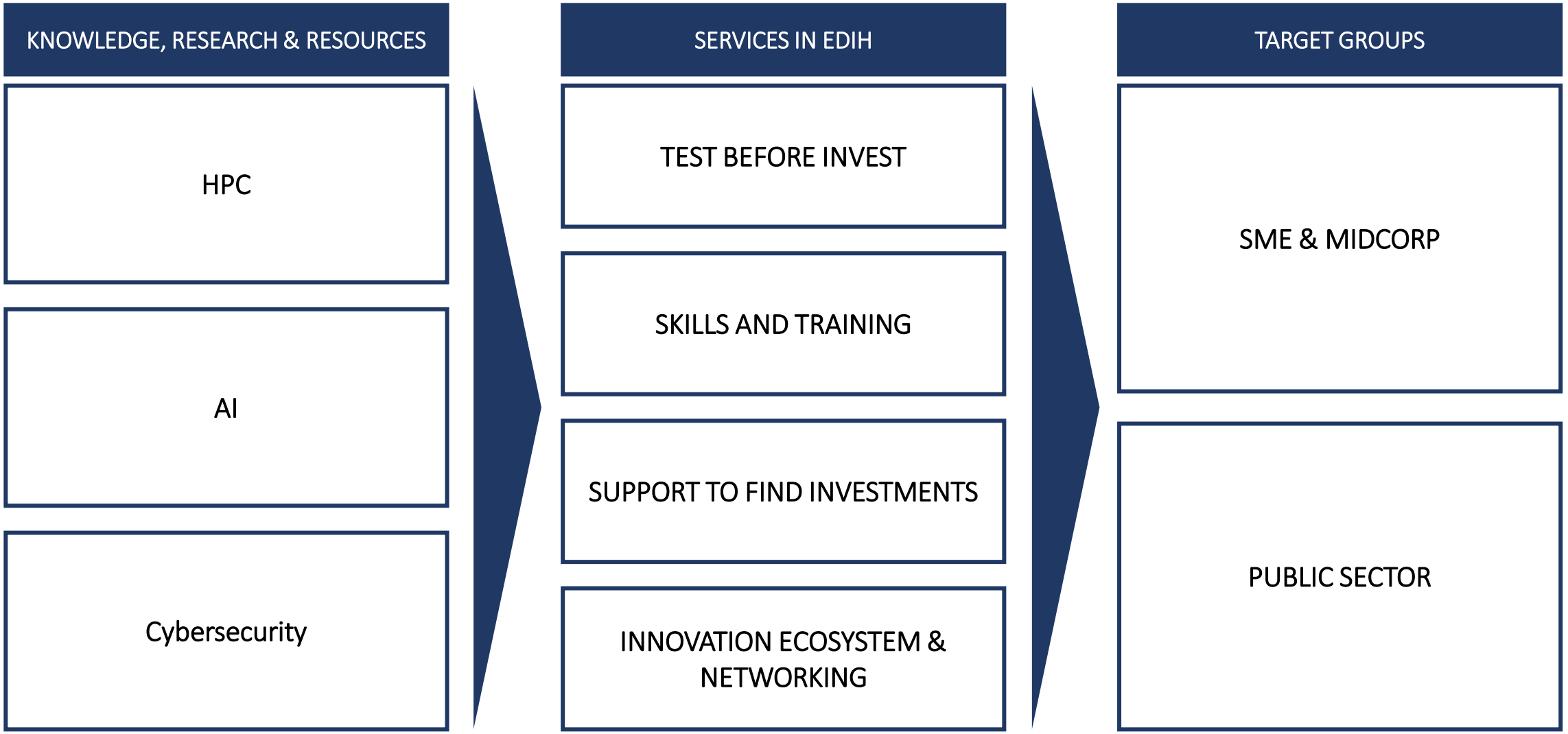
Advanced digital skills 580 M€

HPC
2.2 B€

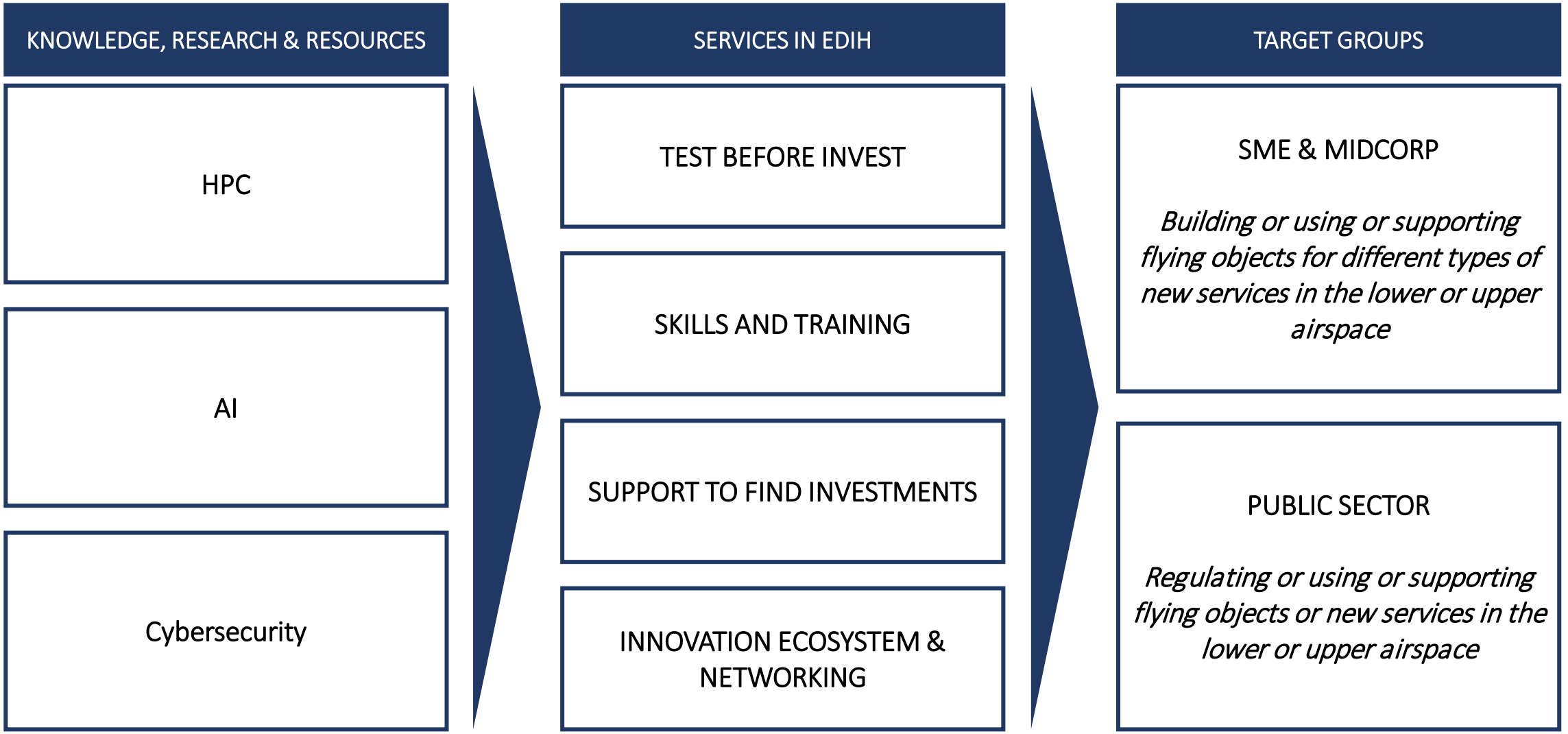
AI
2.1 B€

Cyber
1.6 B€

European Digital Innovation Hub



European Digital Innovation Hub



EDIH LOCATIONS

137 EDIHs ACROSS EUROPE FUNDED IN THE FIRST WAVE

Funded by
the European Union

Funding:
Roughly 1 M€/year/hub during 3 (+4) years

Digital Europe 50%
Regional EU funds 40%
Region Östergötland 10%

TECHNOLOGY FOCUS OF AERO EDIH

Visualization Simulation Prediction Optimization Image analysis Automation

Artificial Intelligence

High Performance Computing

Cyber Security

5G/6G Connectivity

Internet of Everything

TYPICAL EDIH CUSTOMER CASES

AI

Route optimization for drone swarm delivery

Image analysis for autonomous data collection

Cyber Security

PoC and field test to stress test a drone system for vulnerabilities and lack of resilience

VISUALIZATION & HPC

CGI/VR-simulation of an upcoming product to convince stakeholders to invest

AERO EDIH SERVICE PROVISION

Testing before investing (PoC)

Training & Skills Development

Networking & Access to innovation ecosystems

Support to find Investments

Aims to raise digital maturity and investment readiness

STEP-BY-STEP RAISING THE DIGITAL AWARENESS

Training
Different available training programs for personnel

Workshops
Hands on workshops in subareas or problem oriented

Technical seminars
Dive into the different technical areas

Awareness seminars
Explain the opportunities of digitalization (Cybersecurity, AI, HPC)

Mix and match possible suppliers

Fill the knowledge gap

Idea or problem definition

Knowledge problem + Idea or opportunity to solve

STEP-BY-STEP RAISING THE DIGITAL MATURITY LEVEL

Prototype solution to test

Field test package

Gain access to physical test environments (testbeds, airports etc)

Pre-flight validation package

Guidance to get the product validated for safe use, e.g. in cyber security

Service simulation package

Ability to simulate the behaviour ahead of implementation

Conceptualization package

Refine and explore opportunities of digitalization (Cybersecurity, AI, HPC)

QUESTIONS BEFORE A SHORT DISCUSSION ON POSSIBILITIES?

TOPICS FOR DISCUSSION ON POSSIBILITIES ON CONNECTING RESEARCH TO COMPANIES

A) Where do you think research can contribute and collaborate?

- Field test package
- Pre-flight validation package
- Service simulation package
- Conceptualization package
- Training
- Workshops
- Technical seminars
- Awareness seminars

- ✓ Visualization
- ✓ Simulation
- ✓ Prediction
- ✓ Optimization
- ✓ Image analysis
- ✓ Automation

B) Can your research be of interest for the target group?

C) Can the target group be of interest for your research?