

URBAN MOBILE ROBOTICS

Public Funding and Project
Collaboration

18.5.2026 Workshop

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Urban Mobile Robotics - The urban environment as a development platform for robotics



Euroopan unionin
osarahoittama



Elinvoimakeskus

FORUM
VIRIUM
HELSINKI

 Metropolia



Robo Garage Services & Collaboration Opportunities?





Demand for project space and collaboration on new technologies

- § Need for physical project workshops
 - § No clear concept/product for executing diverse projects
 - § New technologies
 - § Demand for an open collaboration platform
-
- § PalRob 2015–17
 - § Roboreel 2017–19
 - § Digi-Flash 2019–21
 - § Big-Flash 2021–23
 - § TECHBOOST 2024–25
 - § Urban Mobile Robotics and Scale Down
 - § Garage was launched as the 'working title' of a construction project



Innovations are born in garages

- § Where companies, universities, and technology meet
- § Open learning spaces for experimenting and learning
- § Robo & AIoT Garages at Myyrmäki Campus
- § Facilities and tools for pilots, experiments, and scaling
- § How robotics and new technologies drives competitiveness and solves global challenges

- § WE BRING YOUR IDEAS INTO LIFE
- § <https://www.metropolia.fi/en/rdi/collaboration-platforms/garage>

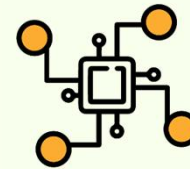


Future-driven services and methods for Industry 4.0 and beyond

- § SPIN - Needs assessment
- § MEGASPIN - Workshop
- § Summer wind - Proof of Concept
- § Lightning - Prototype / demo
- § Big storm - Implementation Project / MVP

- § Projects (commercial + funded)
- § Support in applying for funding

- § Innovation projects + other courses
- § Internships and theses
- § Garage club





Building Deeptech with Metropolia - Expertise & Facilities



One Metropolia – Four campuses

Arabia Campus

- Culture

Karamalmi Campus

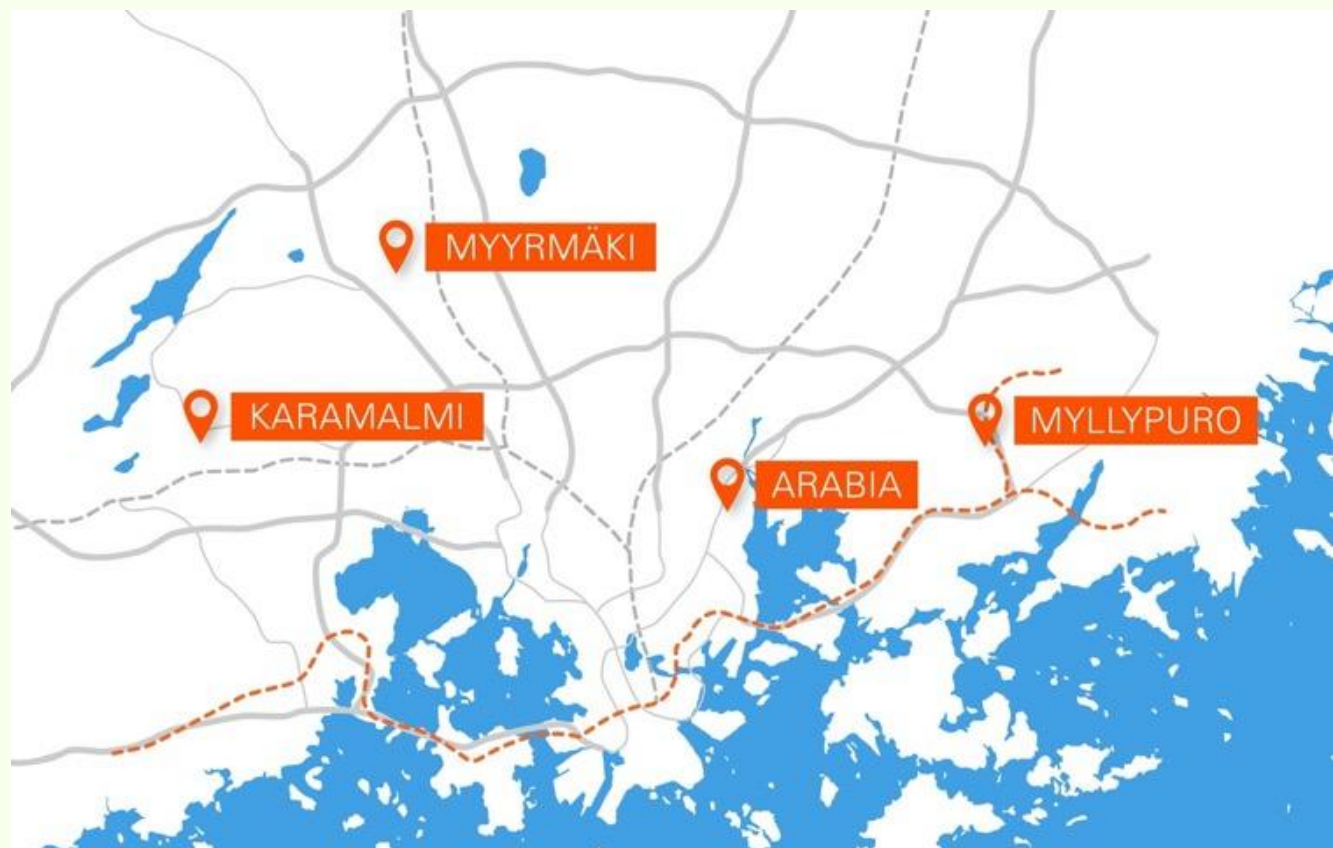
- Technology / ICT

Myllypuro Campus

- Technology / Construction
- Healthcare and Social Services

Myyrmäki Campus

- Business
- Technology



Cross-cut thinking and bold experiments at the core of solutions



Future Proof Health and Wellbeing

Clean and Sustainable Solutions

Smart and Creative City

People first

Data | AI | ICT | XR | Cyber security | 5G | Automation | IoT

Phenomenon-based learning and innovative solutions

Collaboration platforms

Phenomenon-based innovation hubs

Collaboration platforms



Metropolia Proof Health
Pre-clinical testing, validation and verification services



HyMy-Village
Wellbeing and health services



Turbiini
Pre-incubator



Creative Dimension
Open collaboration platform for cultural and creative fields



Urbanfarmlab
Urban Indoor Food Platform



SmartLab
Smart home



CuWeRe
Cultural wellbeing research and education centre



Helsinki XR Center
Augmented reality center



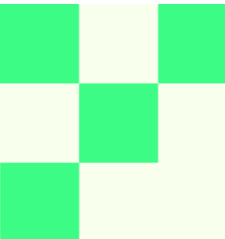
Garage
Robotics and artificial intelligence workshops



Metropolia Workshop
Automotive and transportation project development



Carbon Garage
Learning and project space for sustainable development

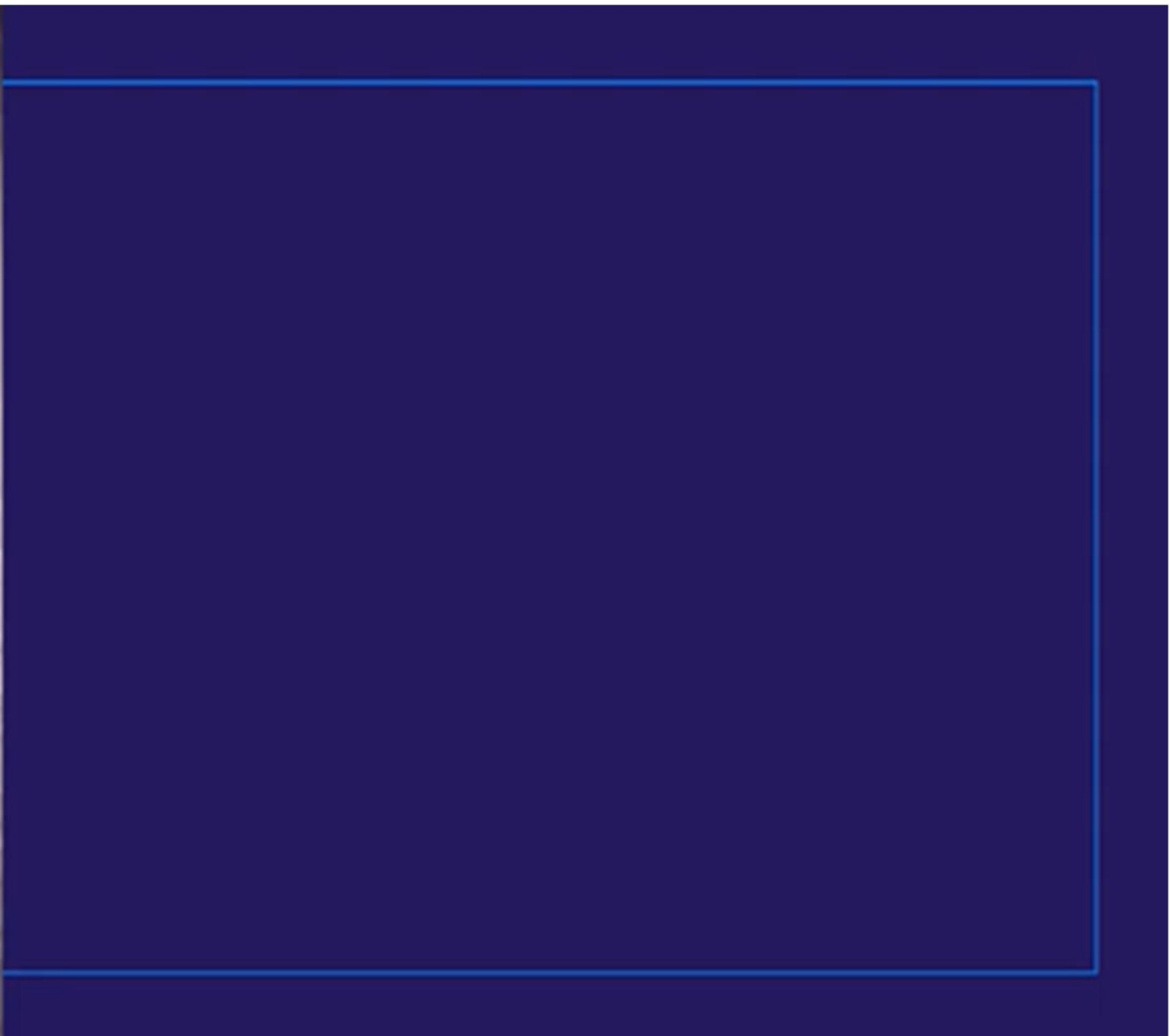


Deeptech Case Examples - What Works and What to Avoid



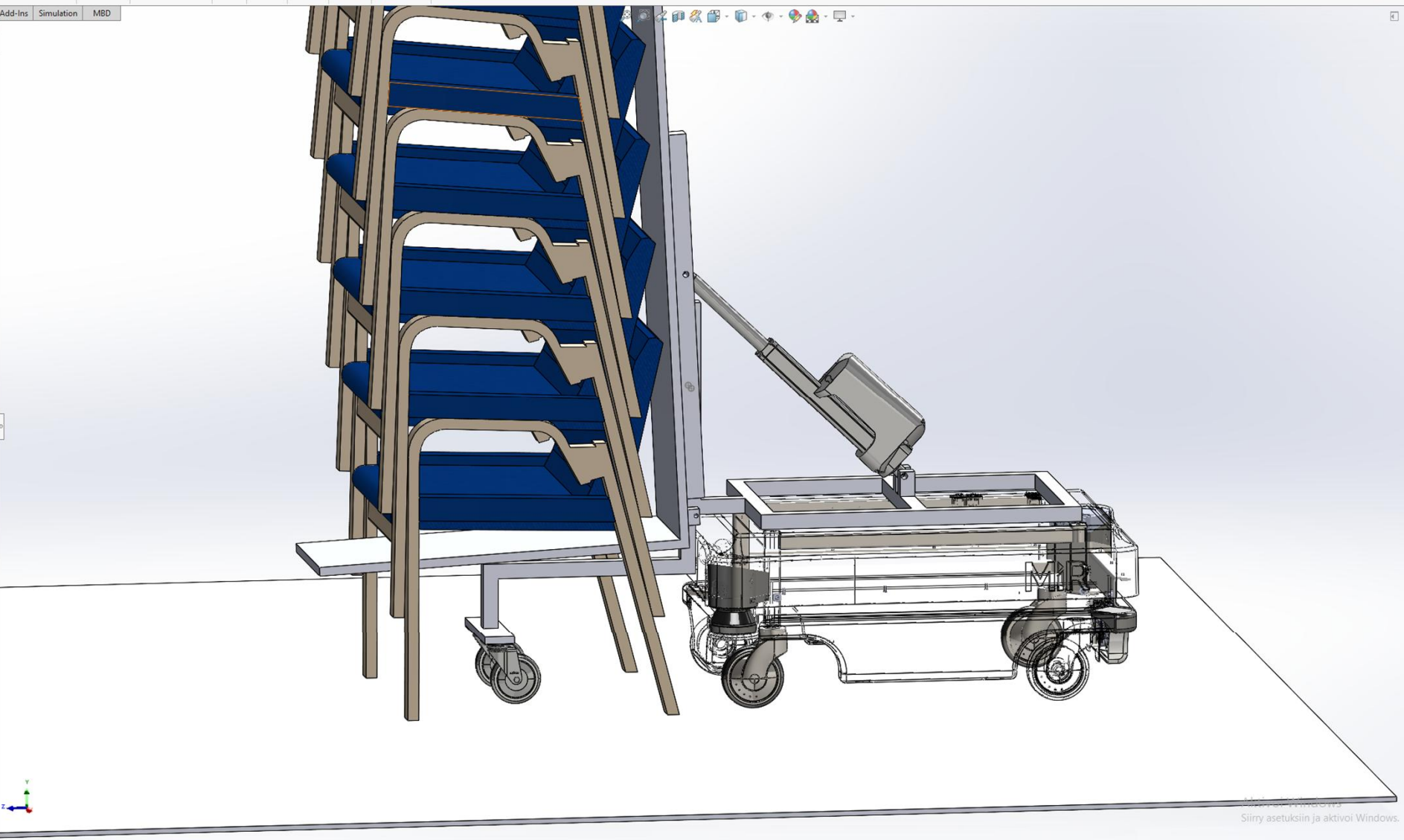








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- Annotations
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 - Mirror1
 - Boss-Extrude5
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 - Mirror3
 - Boss-Extrude7
 - Cut-Extrude2
 - Boss-Extrude8
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Deeptech Pilot Clinic

From Idea to MVP, Prototype or Pilot





What Could Be Your Company's Next Deeptech Pilot?

Workshop Goals

- Spark discussion and new ideas
- Identify concrete development needs
- Explore collaboration and funding opportunities
- Open doors for future pilots and projects

Introduction & briefing	3 min
Group discussion	10 min
Team pitches	10 min
Wrap-up & next steps	2 min



Quick Intro & Challenge Round

What is one idea, challenge or development need that you have not yet had the time or resources to implement?



Discuss in your group

- **Form groups of 3–5 people**
- **Choose one participant's idea, challenge or development need and explore it further together**

Discuss

- What is the actual problem or opportunity?
- What could be tested or prototyped first?
- Could AI, robotics, automation or other technologies help?
- What would be the fastest way to create an MVP or pilot?
- What kind of collaboration, expertise or funding might be needed?

Goal

- Prepare a short 2-minute pitch
- The challenge
- The proposed idea or solution
- The next possible step



Team Pitches & Wrap-Up

Team Pitch (2 min / group)

- What is the challenge?
- What is the idea?
- Where is support needed?

Possible next steps

- Proof-of-concept
- Student collaboration
- Pilot project
- Funding application
- Research collaboration

Because evidence beats assumptions

- § Reduce risk
 - § Test what actually works before committing resources
- § Validate value
 - § Show real impact, not just assumptions
- § Improve decisions
 - § Data from pilots supports funding and scaling
- § Save time and money
 - § Fail fast – or prove what scales
- § Increase credibility
 - § Concrete results matter to investors and partners



KIITOS

What would you build or test immediately if resources were not a limitation?

Let's continue the discussion after the session.

LINKEDIN

Urban Mobile Robotics -hanke



NETTISIVUT

urbanmobilerobotics.fi

