

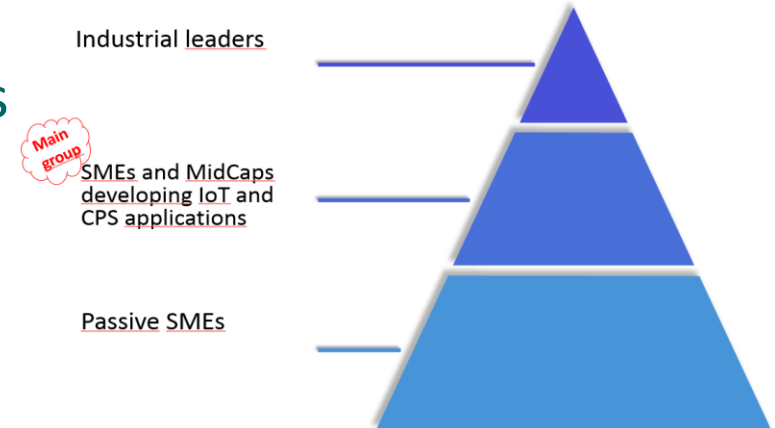
# IoT-Compass Hub

*XS2I4MS – Final Event of the Mentoring  
and Coaching Programme  
Madrid, 21 September 2017*

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# Introduction of the IoT-Compass HUB

- **Region:** South Ostrobothnia, Finland
- **Partners:** Seinäjoki University of Applied Sciences (SeAMK), Tampere University of Technology (TUT), Federation of Finnish Technology Industries, leading technology providers
- **Target group:** manufacturing SMEs and MidCaps



# Introduction of the IoT-Compass HUB

## **Mission:**

Support the exploitation of IoT, CPS and Digital manufacturing in SMEs and MidCaps to increase their productivity and competitiveness and to gain economic benefit for the region

## **Vision:**

- To form a demonstration, piloting and development environment for manufacturing industries using the existing IoT and Cyber Physical Factory – infrastructures,
- To develop activities for supporting the SMEs and MidCaps in creating their know-how and getting new talents
- To form a networking community and neutral forum where manufacturing companies, technology providers, universities, RTOs and expert service providers can meet and start new activities

# Overall approach followed

- Analysis of recent research results in Finland and in the region
- Arranging of three stakeholder workshops; two for manufacturing SMEs and technology providers, one for public stakeholders
- Use case development around Industrial Internet Laboratory to promote the possibilities of IoT and CPS
  - *production digital twin*
  - *data collection and visualization and*
  - *online monitoring of production*

[IoT Laboratory.mp4](#)

- Plenty of bilateral discussions and several presentations in seminars and workshops in the region

# Achievements/Outcomes of Brokerage

## Focus on manufacturing SMEs and MidCaps

- **Level 1:** Mentoring of manufacturing SMEs and MidCaps to develop their digital strategies; development of regional ecosystem of digital tech SMEs to fulfill the needs of manufacturing SMEs; direct personal contacts work
- **Level 2:** Development of the knowhow of applicable technologies of the hub's personnel; Digital Factory Academy meeting place for companies and engineering students
- **Level 3:** DIHs' European wide network as cooperation platform
- **General activation:** fast IoT-pilots, workshops, matchmaking, leaflets, articles, www-page...



*The change  
needs new  
ways to think  
and operate*

# Next Steps

- SeAMK acts as home of IoT-Compass Hub; stakeholders are very committed
- ERDF-funded project called IoT-Compass Hub's start-up has got financing for three years, started 1.9.2017
- SeAMK partner in Interreg Europe –proposal DEVISE
- TUT provides Master Level Education in Digital Manufacturing and Data Analysis in the region
- TUT has just hired a research professor who will work in Seinäjoki, focus on Digital Manufacturing