

# Center of Excellence - robotics and AI



Robocoast is a center of excellence that is managed by regional development non-profit agency Prizztech Ltd. The form of the organization is a network comprising of around 100 SMEs in the field of automation, robotics and artificial intelligence (AI) and Robotics and AI Labs of Satakunta University of Applied Sciences and University of Tampere

## The mission of Robocoast

Robocoast combines the needs of enterprises in order to promote modernization of the industry and services by developing new robotics solutions together with a large network of industrial and research partners.

# Service Concepts of Robocoast



## ROBOCOAST

modernization feasibility study

### Service Concepts of Robocoast

- Living lab Testing process
- MI Lab Challenge
- R&D Demopaja workshops
- International research projects
- Robotics academy

Modernization or Robotization need



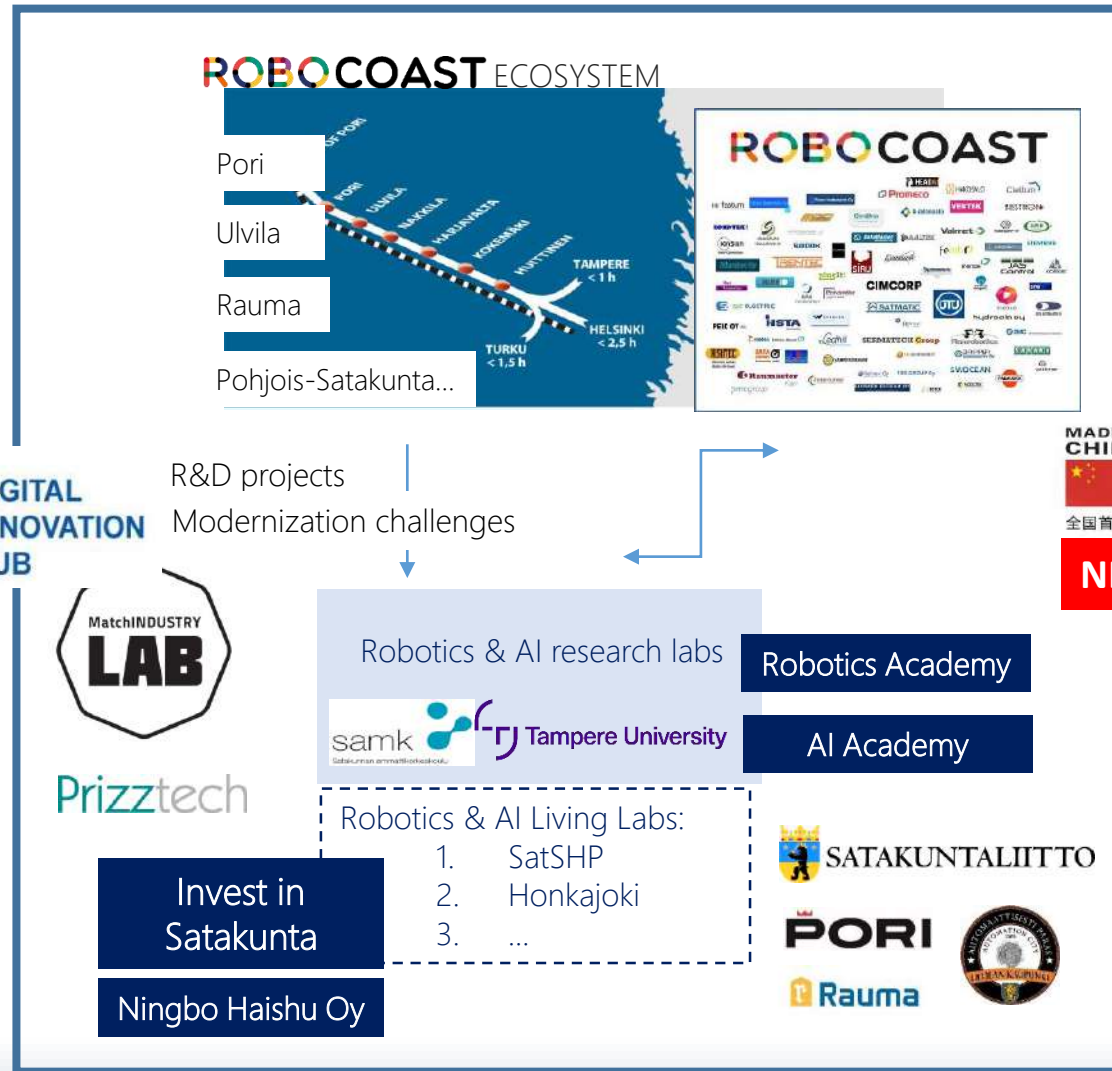
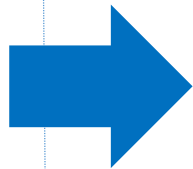
*Robocoast always uses its networks to find right experts...*

# Robocoast Ecosystem 2018



R&D challenges

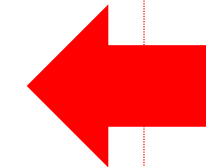
*Global companies and in particular European SMEs have new access to the Chinese market*



MIC 2025  
Modernization challenges



MADE IN CHINA 中国制造  
**2025**  
全国首个试点示范城市·宁波  
**NBCCD Oy**



Robocoast is HUB to the European expertise and also to the European market for Chinese companies

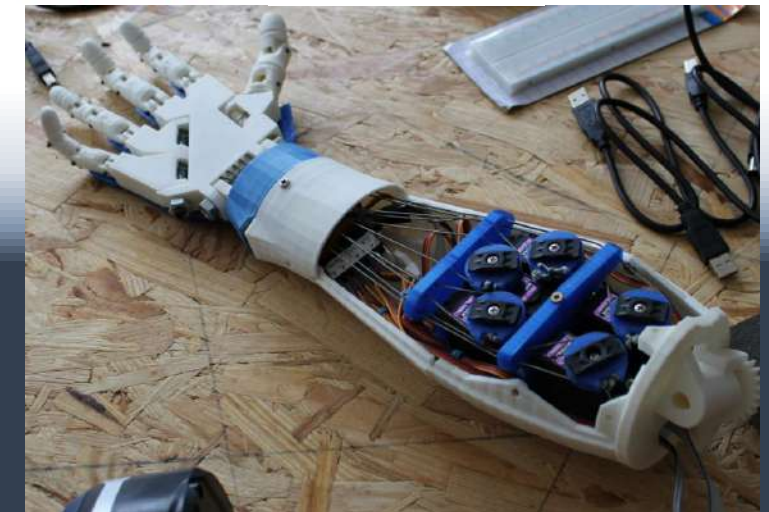
# Case example – MI LAB: Modernization of smelting process

- In order to boost the smelter's production process, multinational Boliden Group launched the **RoboCopper Challenge** which aim was to rethink the safety of the working conditions related to the smelting furnaces. The smelting method used all over the world today was developed in 1949.
- Robocoast challenged expert teams from the Robocoast cluster to create innovative cutting edge solutions to improve the metallurgical processes.
- In the Challenge Hefmec Engineering innovated a game changing solution to improve and simplify the 70-year old practices in the Boliden's smelter!
- Robocoast utilized the expertise of the Robocoast cluster by using the MI LAB model.



Kuva: Boliden Harjavalta Oy/ Johanna Sjövall

# Case example – Sign Language Tutoring Robot



*"We need a robot who can teach sign language for the autistic children"*

Robocoast searched the best experts and started R&D -project to solve the problem.

See the ready MOMO robot:  
<https://vimeo.com/265507718>

# Robocoast and China







# Why China Can Do AI More Quickly and Effectively Than the US?

- Kai-Fu Lee, Ph.D., Chairman and CEO of Sinovation Ventures.  
Wired 23.10.2018



China Is Leading in Artificial Intelligence and American Businesses Should Take Note.

If you think of China as a country that copies rather than innovates - think again.

- Amy Webb, Founder of the Future Today Institute  
From the September 2018 issue of *Inc.* Magazine



Why are these unicorns  
from China?

# Robocoast as the Gateway between China and Europe (EU)

Robocoast has opened the reference markets of China for EU's robotics companies



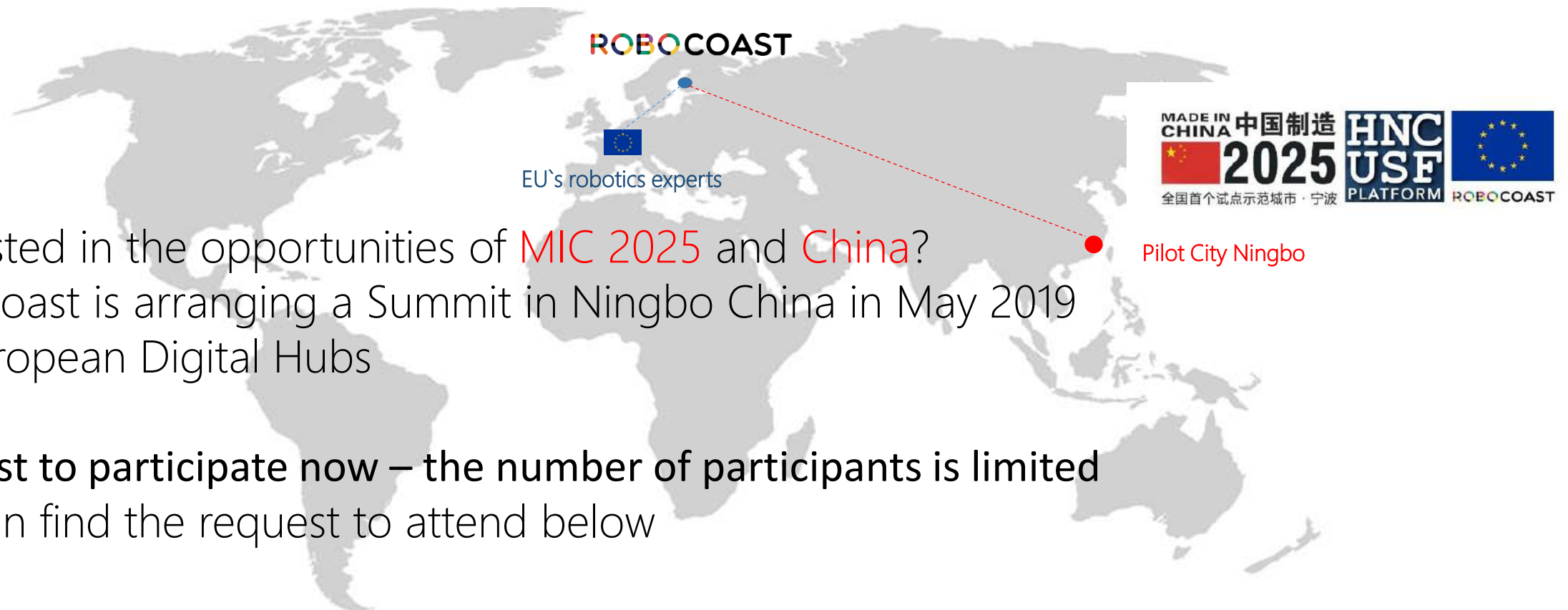
China has announced hundreds of billions of euros of funding for **Made in China 2025** –national development program

City of Ningbo is selected as the first pilot city of **Made in China 2025**

Robotics cluster of Satakunta, Robocoast is Ningbo's strategic partner in the **Made in China 2025**



# Robocoast as the Gateway between China and Europe (EU)



Interested in the opportunities of **MIC 2025** and **China**?  
Robocoast is arranging a Summit in Ningbo China in May 2019  
for European Digital Hubs

**Request to participate now – the number of participants is limited**  
You can find the request to attend below

<https://www.lyyti.fi/questions/e4acb6ab03>



# Thank You!

Please don't hesitate to contact me:

Pauliina Harrivaara  
Robocoast  
Tel. +358 44 710 5365  
[pauliina.harrivaara@prizz.fi](mailto:pauliina.harrivaara@prizz.fi)  
P.O Box 18  
FI-28101 Pori, FINLAND

robocoast.fi