Project Ideas Lab poster

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Minimum type size: 14

Sharing Vision and Skills

What challenge or problem are you addressing? What is the need for the project?

This project addresses challenge 2 of Interreg North West Europe Programme – SMEs innovative capabilities.

Europe is far behind USA in using robotics in industrial automation. North West Europe is the most developed region in the EU with great potential to pioneer new ways to increase SMEs innovative capabilities. This project will develop and test new software and hardware of vision and skill sharing of industrial mobile robots, which helps the robots to learn from the current/past instances and from each other. In consequence, robots can better understand environments and maneuver within these environments, become more autonomous and ultimately less dependent on humans. This technology will be tested in various environments, and in particular in industrial warehouse.

In the long term this will improve competitiveness of European SMEs operating in logistics industry and services.

Objective of the project: What your project wants to achieve/change

To develop and test software and hardware enabling industrial mobile robots to better understand environments and maneuver via learning and vision and skills sharing to support industry automation.

Why do you need transnational cooperation?

-To better address logistic industry automation as the common interest across NEW region

-To form critical mass in robot manufacturing, robot vision and learning, cloud computing and knowledge engineering in the region

-To speed up the development of market for the final products

-To capitalize on what we know so far and design the next steps for our robots

What kind of partners are you looking for?

SMEs: hardware production and testing

Research institutes: specialists of robot vision and learning, and knowledge engineering

End users: logistic industry

Policy level (EU, national, regional): making policies for enabling robot application and automation in industry

Your contact details

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