

# SRIP FoF - Slovenia

Strategic Research-Innovation Partnership – Factories of the Future



REPUBLIC OF SLOVENIA  
MINISTRY OF HIGHER EDUCATION,  
SCIENCE AND INNOVATION



Strateško razvojno inovacijsko partnerstvo  
TOVARNE PRIHODNOSTI

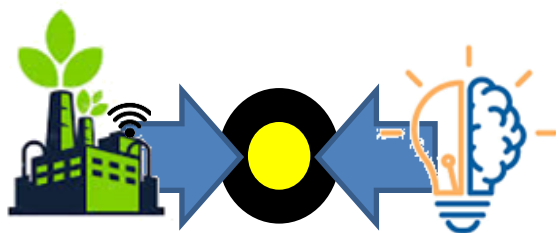
Asst. prof. dr. Igor Kovač

Director SRIP FoF



*The operation is partly financed by the European Union from the European Regional Development Fund. The operation is carried out within the framework of the investment priority: "Innovation society of knowledge" and the specific objective RSO1.1 "Research and improvement of research and innovation capacities and deployment of advanced technologies".*

# SRIP FoF – Main goals



**Collecting and linking Slovenian *research and innovation know-how and experience* in the industry and academia and **highlight the priority breakthroughs** of new *products, technologies and services* for global market on the field of FoF.**



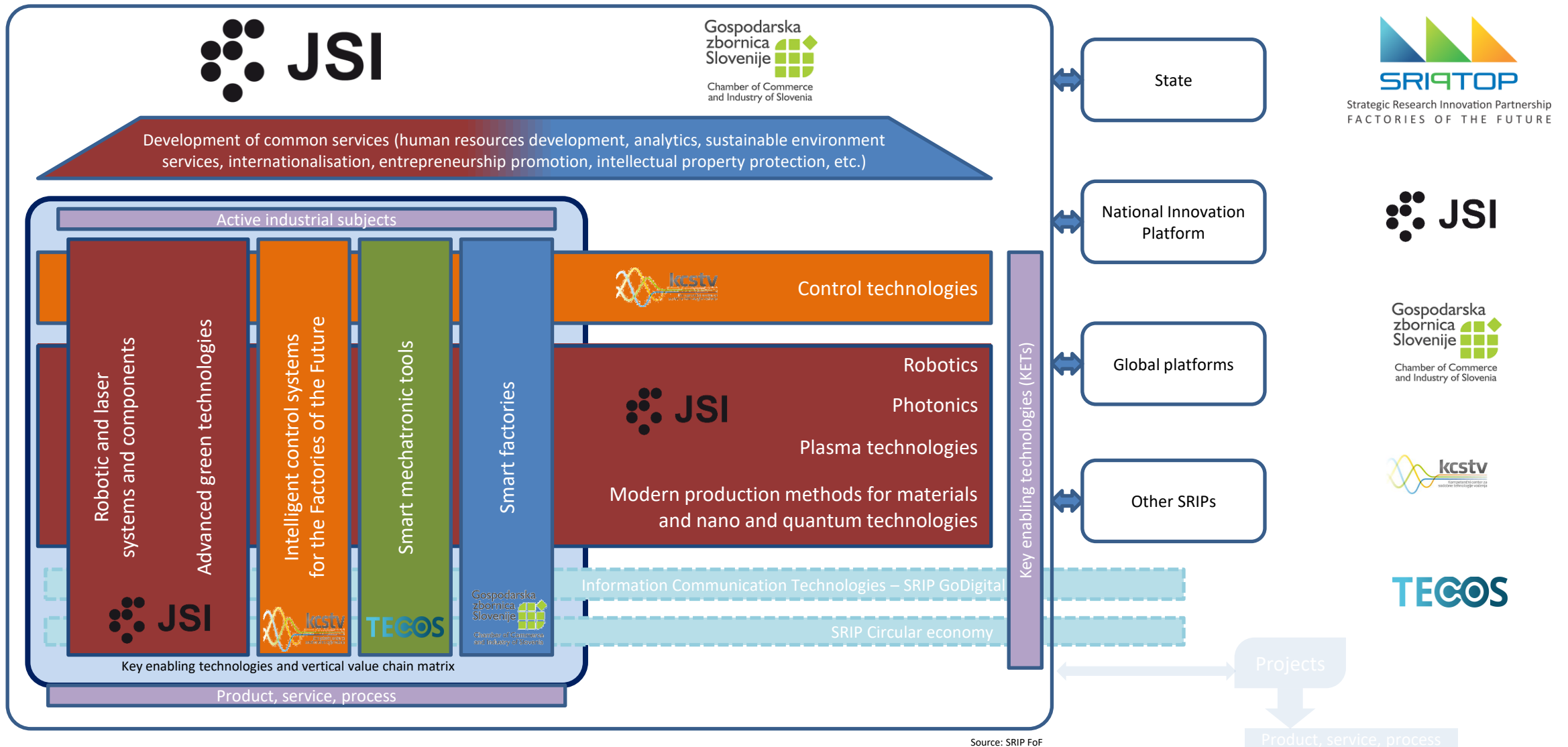
Enabling green transition of Slovenian industry towards ***Industry 4.0***.

It is a link between industry, research org. and others and the government.

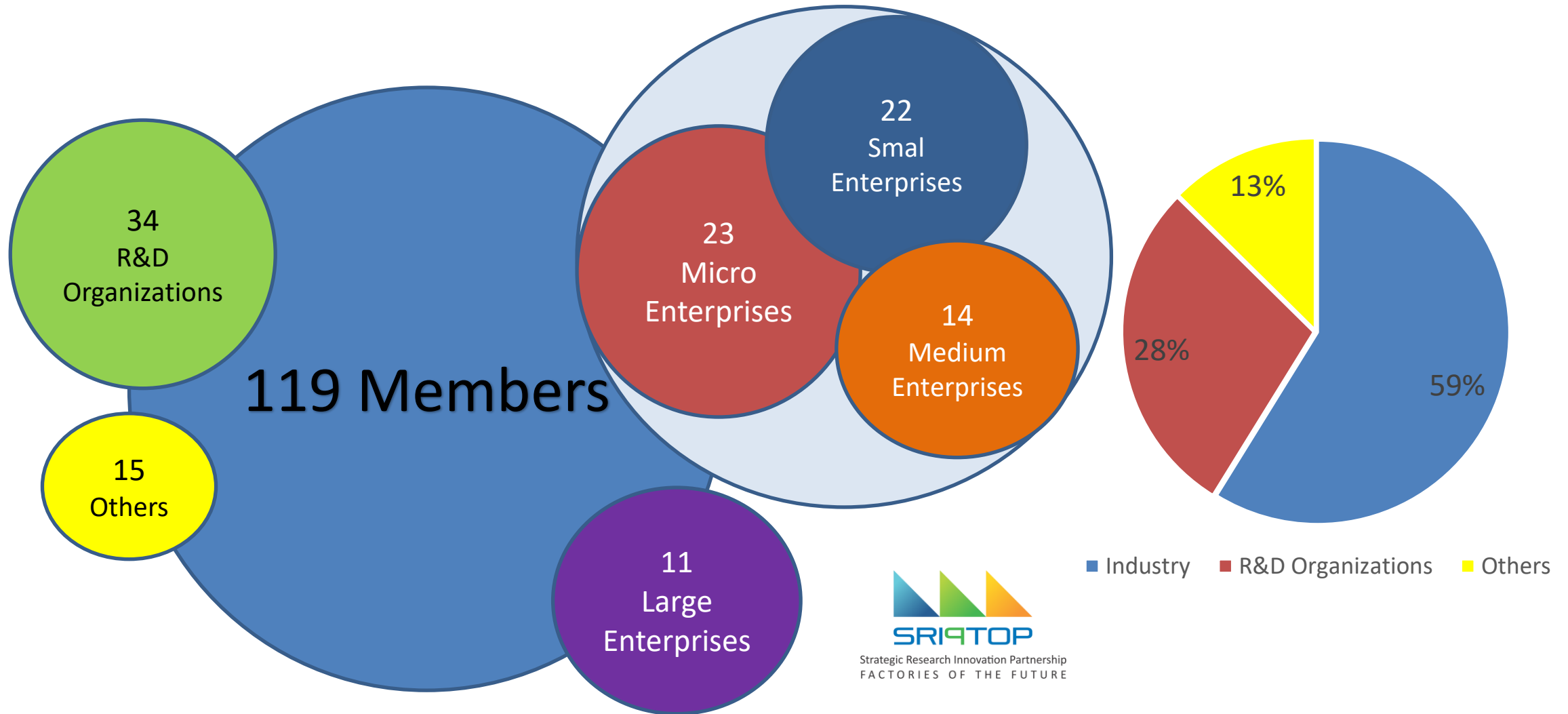


SRIP FoF is **repository of KETs** for other SRIPs.

# SRIP FoF – Organisational structure



# SRIP FoF: Membership



# Conclusion

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**SRIP FoF builds a recognisable cluster brand in Slovenia and abroad through engaging events and close connection and cooperation with its members.**

**With its participation in EFFRA, SPIRE, Hydrogen Europe and Vanguard, SRIP FoF is also active in the field of internationalisation.**

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# Intelligent Robotics



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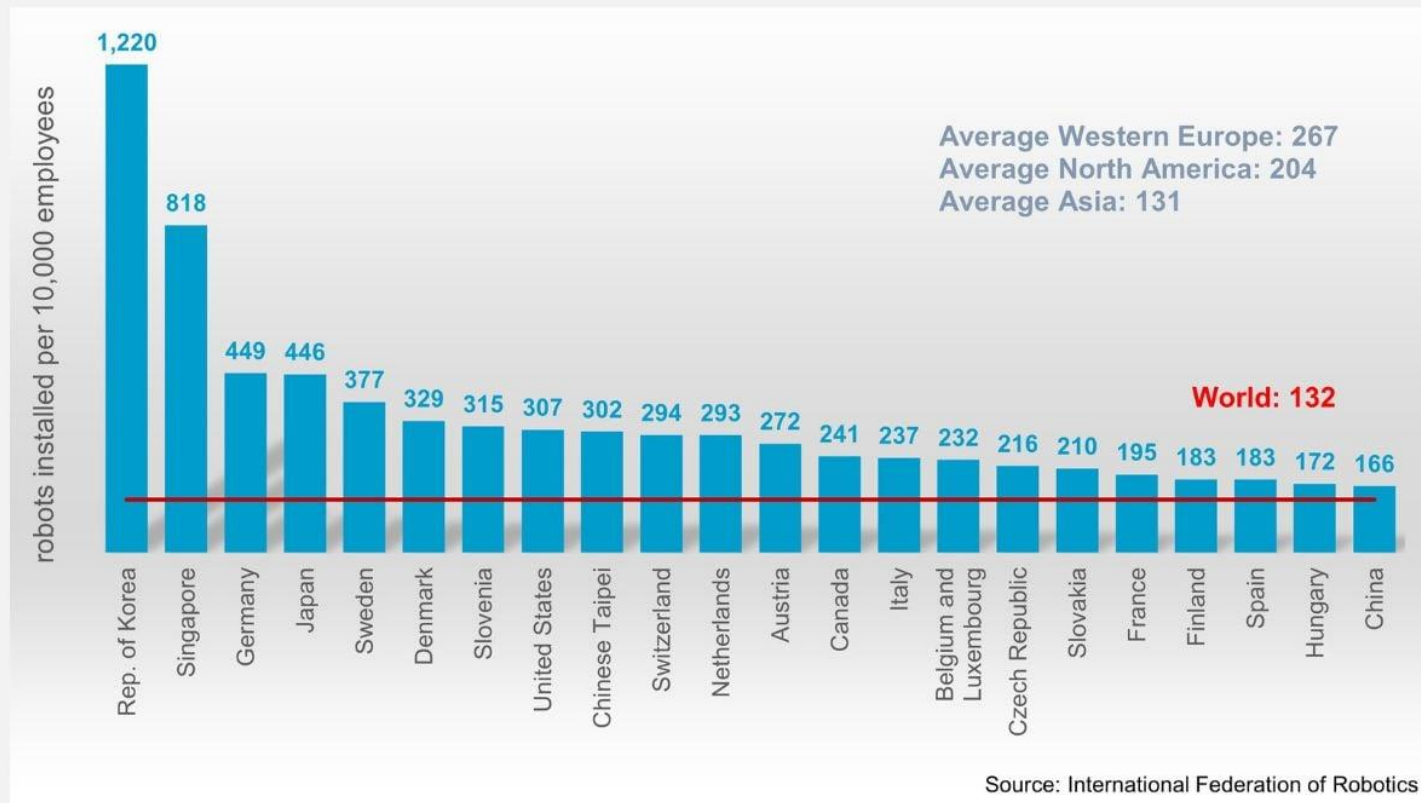
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# Robotics in Slovenia

## ROBOT DENSITY IN THE MANUFACTURING INDUSTRY 2024

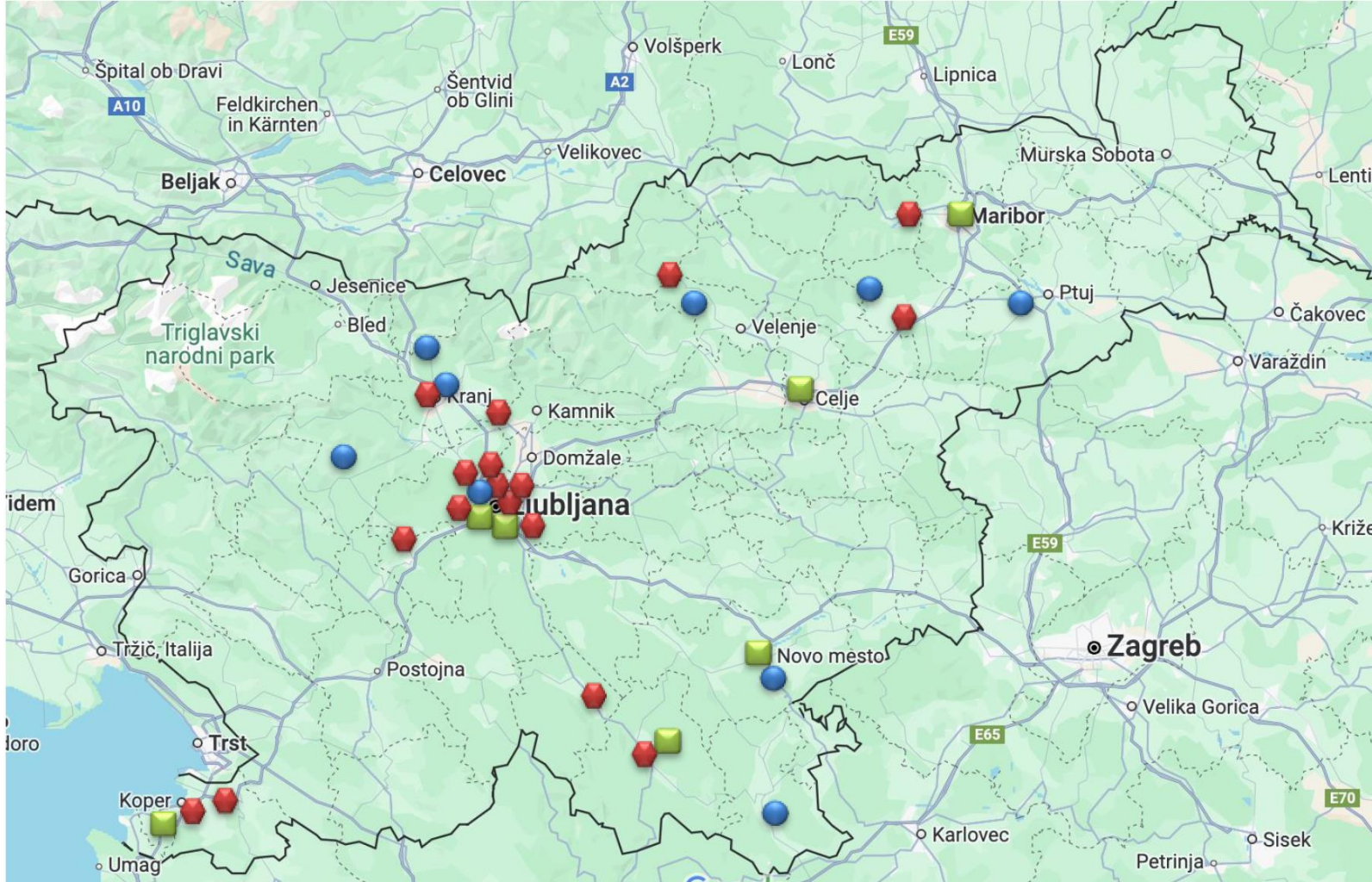


# Why is robotics a strong field in Slovenia?

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- **Slovenia** is a **highly industrialised country**.
- Long, high-quality tradition in **research and education**, especially in **robotics and manufacturing**.
- **Robot manufacturer** (Yaskawa).
- **Manufacturer of robot components** (RLS Merilnatehnika, Podkrižnik,...).
- **Robot integrators** (more than 50 integration companies).
- Focus on the **transfer of robotics to end users**.

# Robot technologies for the next generation industry



## Cluster members:

-  **Robotics: research institutions (universities and institutes)**
-  **Robotics: robot manufacturers, robot system and equipment suppliers**
-  **End users (industrial production)**

## Research and development directions of robotics in SLO:

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- **Adaptive, reconfigurable, AI supported and collaborative robotics systems.**
- **Advanced AI robot vision and intelligent sensors.**
- **Advanced robotic components.**
- **Advanced robotic technologies and digitalization of industry.**
- **Education, workshops, exchange of good practices.**
- **Internationalization.**