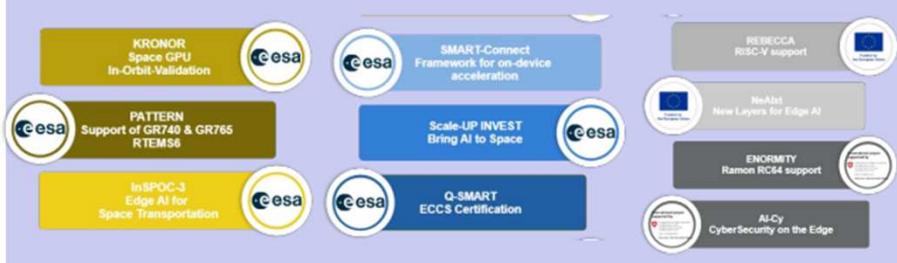




<b>Project Contribution</b>	<b>Highly efficient execution of Edge AI &amp; ROS2</b>
 <b>Organization name, town and country</b>	Klepsydra Technologies AG, Zug, Switzerland
<b>Addressed topic(s)</b>	<b>CL4   MAT-PROD-23</b> HORIZON-CL4-2026-02-DIGITAL-EMERGING-51-two-stage HORIZON-CL4-2026-02-DIGITAL-EMERGING-53-two-stage

## Who we are

- Swiss SME / Scale Up
- 2 H-Europe projects
  - REBECCA & NeAIxt
- Participated in >5 proposals
- EIC Seal of Excellence



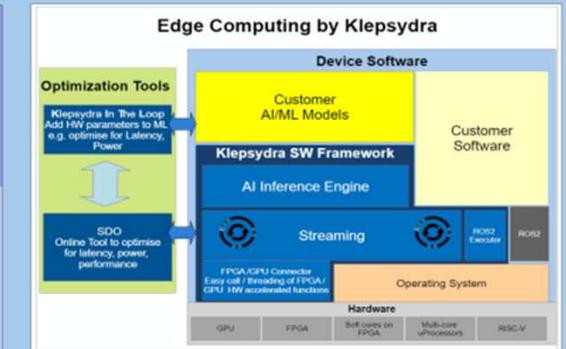
## Our Vision

Software based efficiency for Edge AI

Utilize the full potential of your Processor

Bring Intelligence to many Systems

Core Technology	Third-party integration
<ul style="list-style-type: none"> <li>• Ultra low latency lock-free</li> <li>• 2-dim threading</li> <li>➢ 10x throughput</li> <li>➢ 75% less power</li> </ul>	Use your trusted AI framework
Safety & Security	Extensibility Framework
<ul style="list-style-type: none"> <li>• ECSS</li> <li>• Run on Trusted OS</li> <li>• Cybersecurity Protection enabled</li> </ul>	Avoids to build custom solution from scratch



# Edge AI for Industry

- **Edge AI for Industrial Applications**

- Crucial for future industrial technologies,
- Enhancing performance,
- Security, and resilience.
- Truly European Solution



## Robotics and Automation:

Combining Edge AI and ROS2 will revolutionise robotics, not only humanoids but provide new production processes, ensuring security, speed, and reliability.

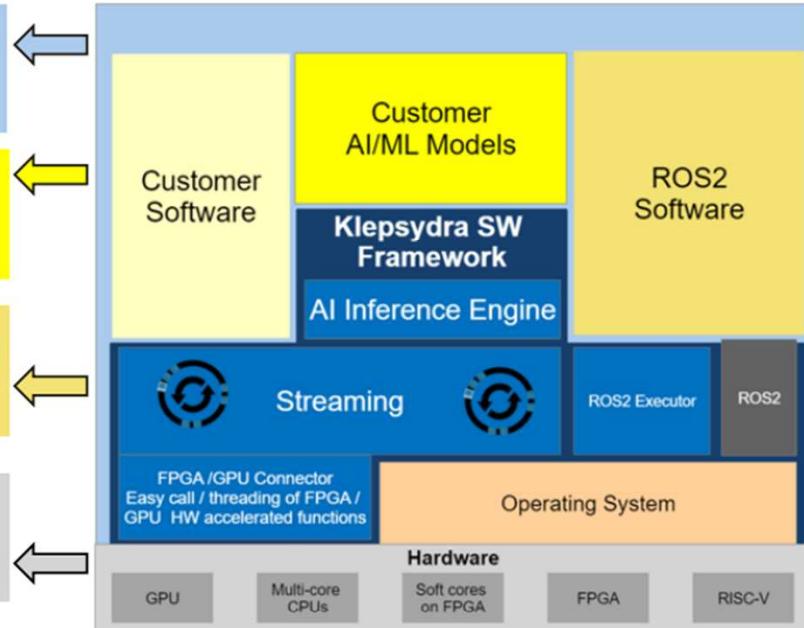
## Competences / type of partners sought

Projects considering Edge AI / ROS2 / Edge Data processing

Consortia interested to run their AI on the edge

Projects interested in highly efficient AI & ROS2 performance for robots

Consortia interested to develop a HW/SW Platform for Edge AI / Robotics



### Edge AI, efficient data processing @ Edge, Combining AI & ROS2

- ... are part of your project idea?
- ... could enhance your project?
- ... could be an interesting use case in your application?
- ... could provide an important “platform” element to your project?

 **Contact Me!**

## Contact details

**Contact person**

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**B2Match profile**

<https://www.b2match.com/e/horizon-europe-industry-brokerage-2026/participants/3349144>

**LinkedIn/Twitter**

LinkedIn: <https://www.linkedin.com/in/kbuchheim>

**KLEPSYDRA**  
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