



Project Contribution	Highly efficient execution of Edge AI & ROS2
Organization name, town and country	Klepsydra Technologies AG, Zug, Switzerland
Addressed topic(s)	CL4 MAT-PROD-23 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

- Ultra low latency lock-free
- 2-dim threading
- >10x throughput
- >75% less power

Safety & Security

- ECSS
- Run on Trusted OS
- Cybersecurity Protection enabled

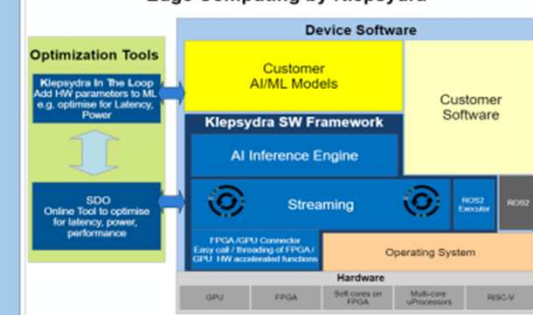
Third-party integration

Use your trusted AI framework

Extensibility Framework

Avoids to build custom solution from scratch

Edge Computing by Klepsydra



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.



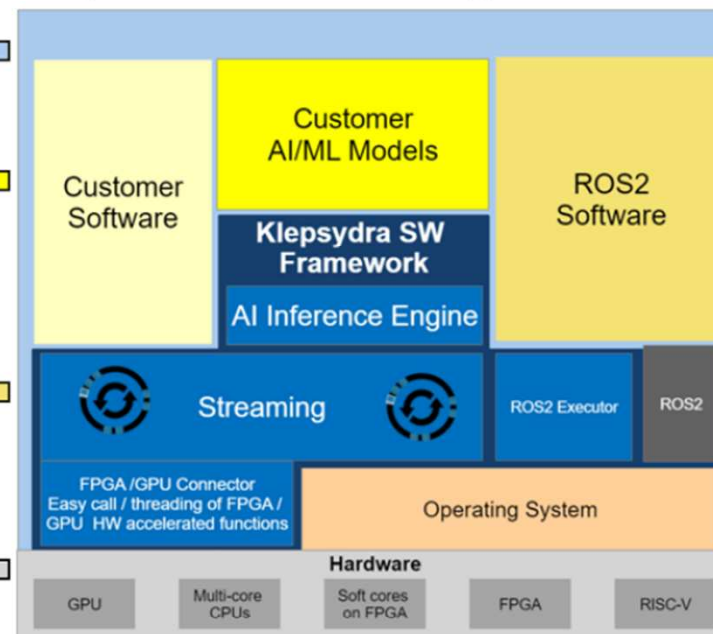
Competences / type of partners sought

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

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