



Klepsydra AI

**Software Framework for highly efficient
AI inference and data processing to enable
Intelligence for embedded systems**

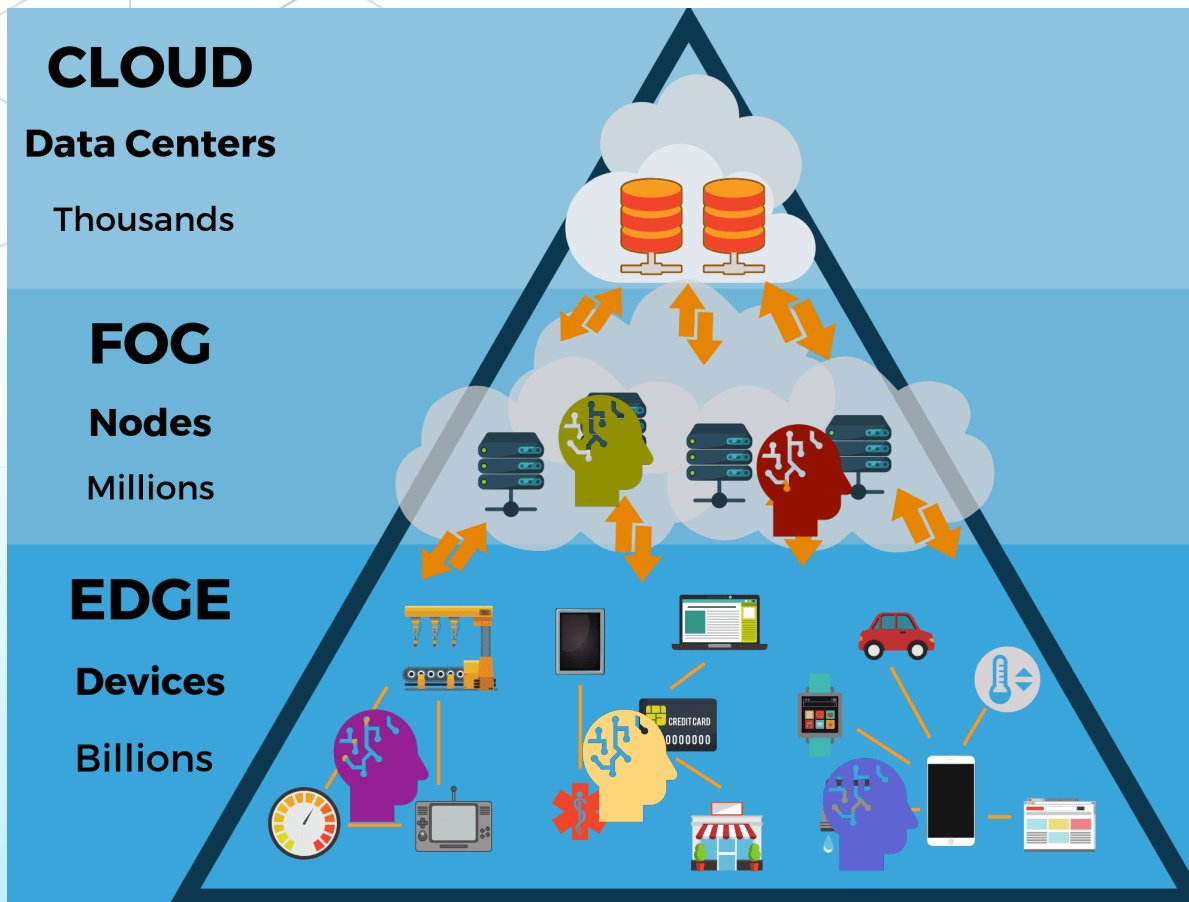
EDGE
COMPUTING

Klepsydra

March 2025

Problem

Edge AI - fast growing field dealing with billions of AI ...



Implementing AI for one model & one platform is already complex!

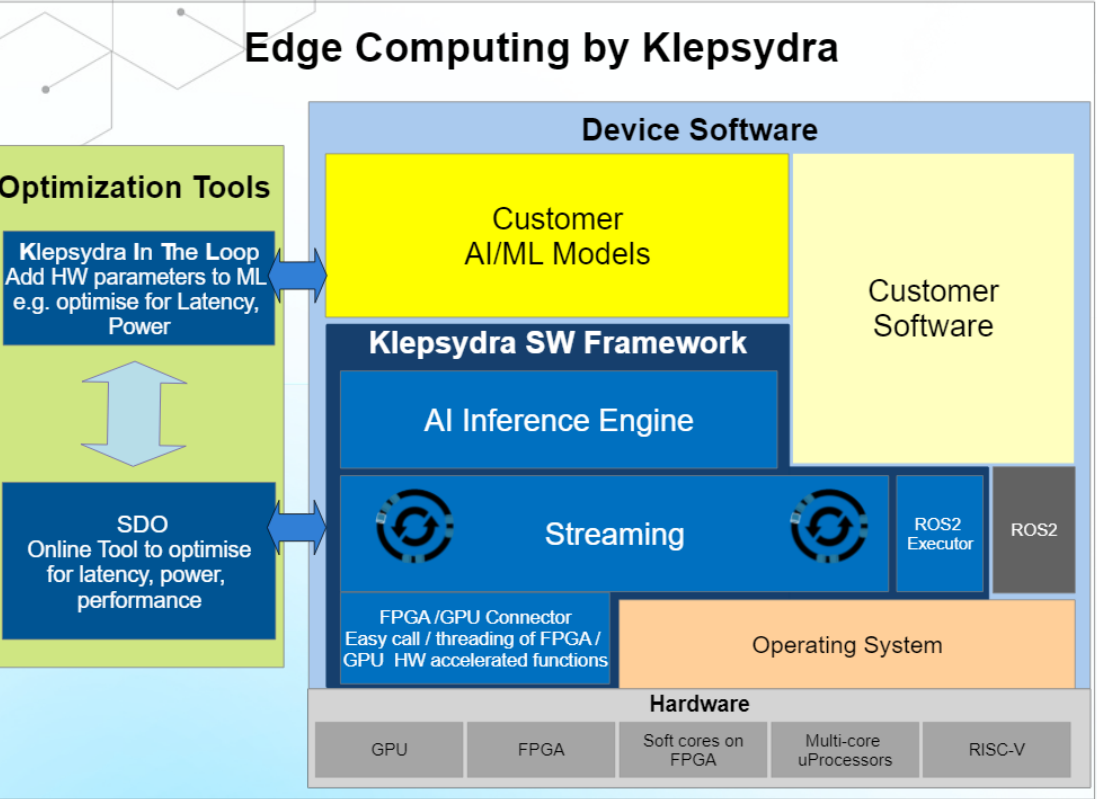
Edge runs on many different platforms



Problem	Implication	Need
Algorithms do not run on the required Hardware	 Medium RISK	Run algorithms more efficiently, → no hardware upgrade
AI application might need to run on different hardware		Unified development frameworks, agnostic of the hardware → development costs are kept low
Different hardware types come with different AI deployment tools		Software that runs agnostically on different processors while providing high efficiency

Addressing the Need

Klepsydra SW framework for edge computers

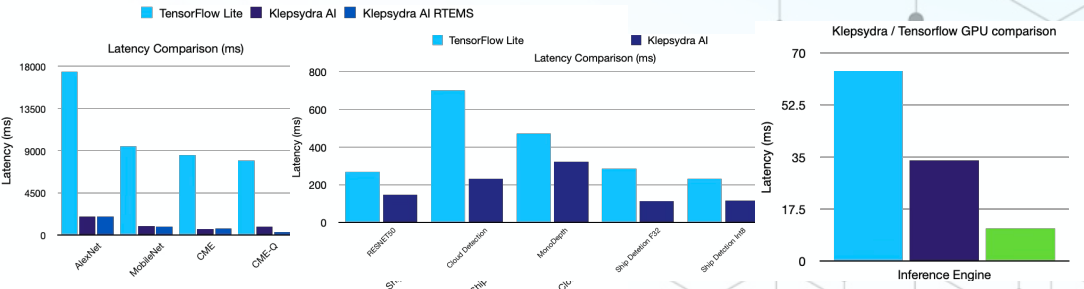


Utilize the full Potential of available Computers



	Klepsydra	TensorFlow Lite	OpenCV
Throughput	😊	😞	😞
CPU Usage	😊	😞	😊
Model Agnostic	😊	😞	😞
Hardware Agnostic	😊	😞	😞

Comparison done in a Project with esa



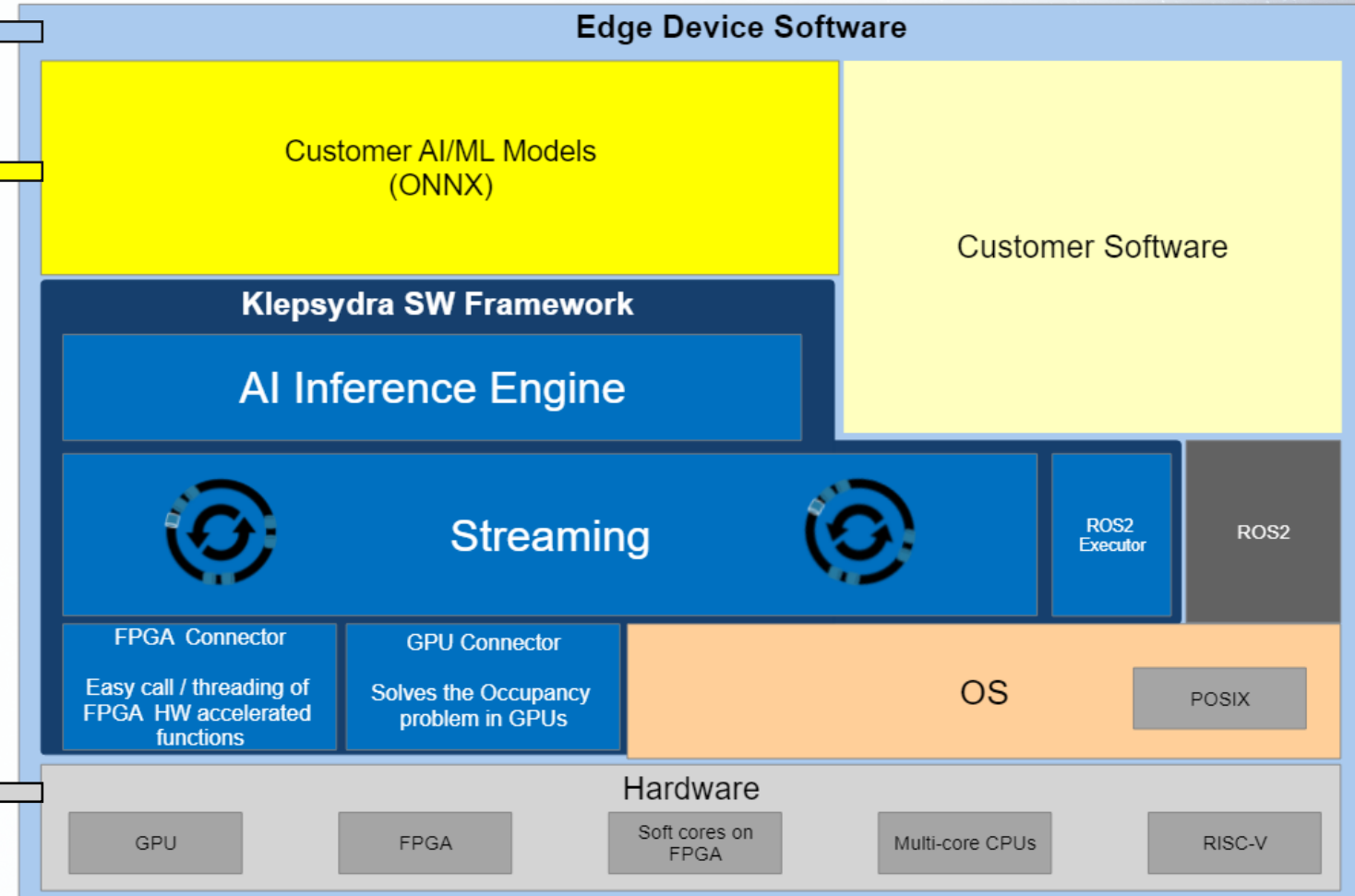
Implement Intelligence on a larger range of Systems

What are we looking for?

Projects using / focusing on AI / data processing @ edge

Partner interested to bring their AI to the edge / run it on different embedded processors

Partner interested to provide a HW/SW Platform for Edge AI



Company Information

About Klepsydra

> Europe / RoW

Klaus Buchheim
Business Development
Klepsydra Technologies AG, Switzerland
+41 78 249 3720
klaus.buchheim@klepsydra.com

> US

Mike Carey
President
Klepsydra North America LLC
9057 Center Rd, Traverse City, MI 49686, US
mike.carey@klepsydra.com

> General

sales@klepsydra.com

3

mEUR orders secured
in 3 sectors Space, Defense, Mobility

3

mEUR
Funding - Investments & Grants

15

People
Across Europe and North America

2

Patents
1 Granted, 1 Pending
Wordwide application

