

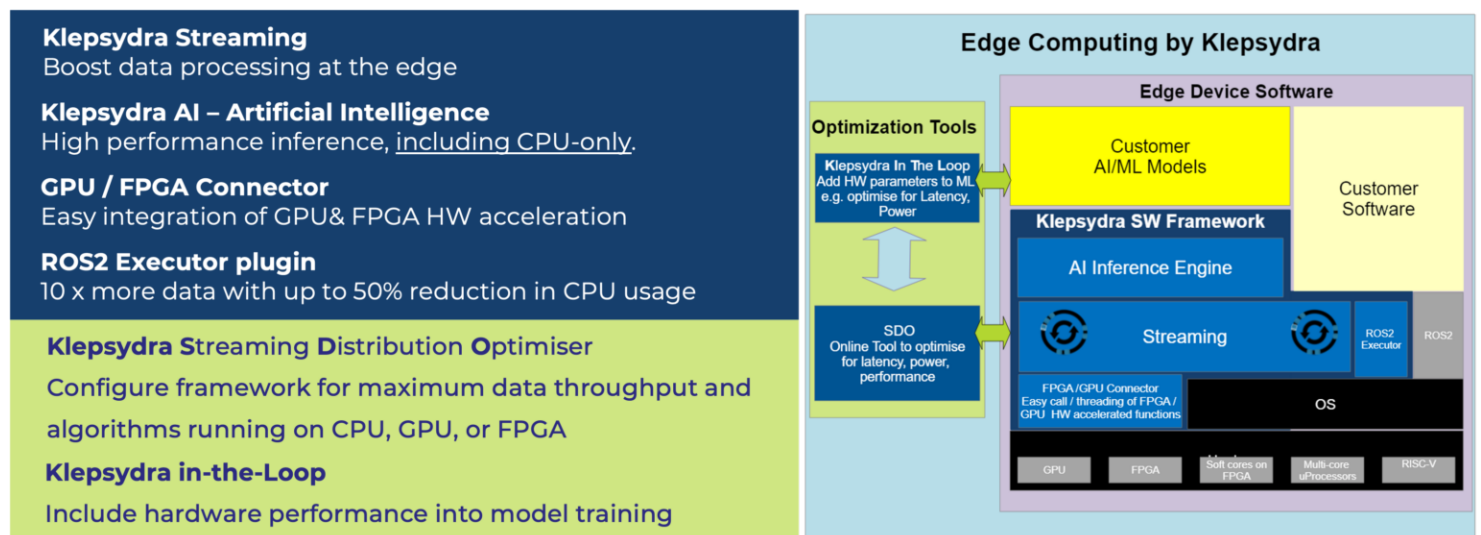
Klepsydra Technologies

Put Intelligence into your system



Our Product(s)

Lightweight, modular and compatible with most used operating systems

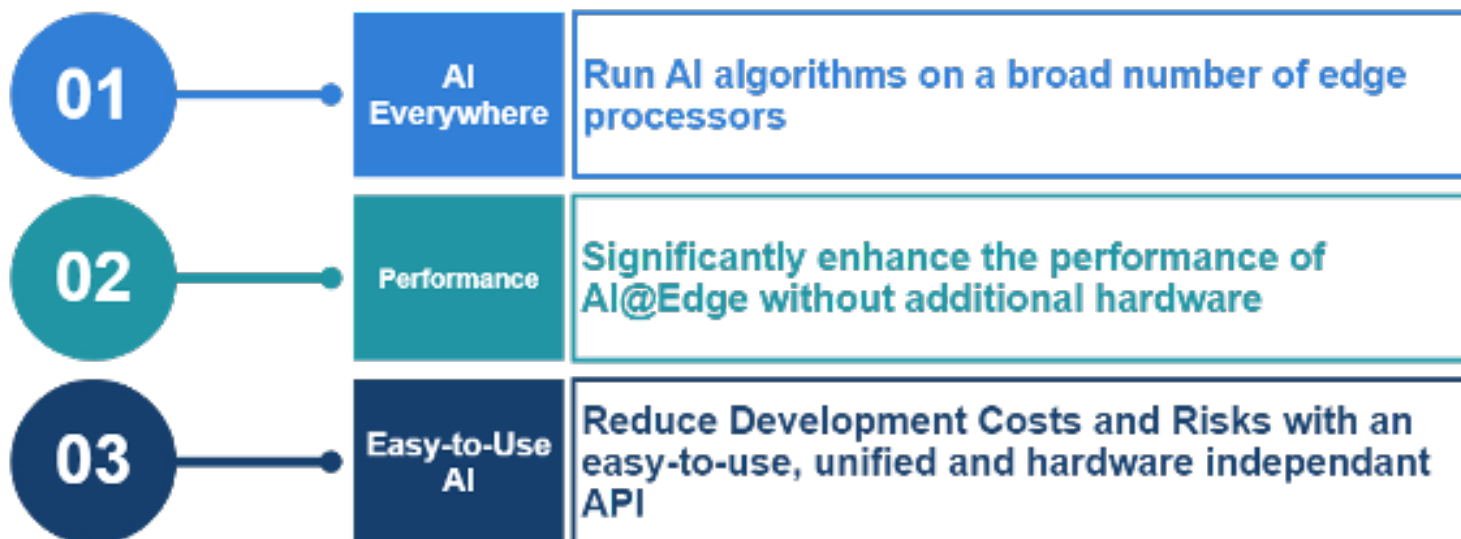


The Klepsydra software framework accelerates the heavy data processing needed to enable AI at the edge on a variety of hardware. The framework resides between the application and OS/HW layer, enabling, based on lock-free programming techniques, acceleration of data processing /AI inference on CPUs, FPGAs, GPUs by fully utilising the available processor resources.

It is a modular and high performance framework that can act as a meta-OS to enable AI for Intelligence and Decision-Making Applications on resource limited edge computers:

By enabling optimal data processing and AI inference functionalities across diverse edge and embedded computing platforms, the Klepsydra software framework can be a key component for deploying AI/ML models for the wide array of intelligent applications envisioned in frame of the NGWS and combat cloud. Developed with concepts of an app-store framework, Klepsydra facilitates

the seamless deployment and upgrades of AI algorithms to diverse edge devices while ensuring efficient execution of AI tasks at the edge. This allows easy introduction of new capabilities to the edge system by simply swapping out the AI/ML model.



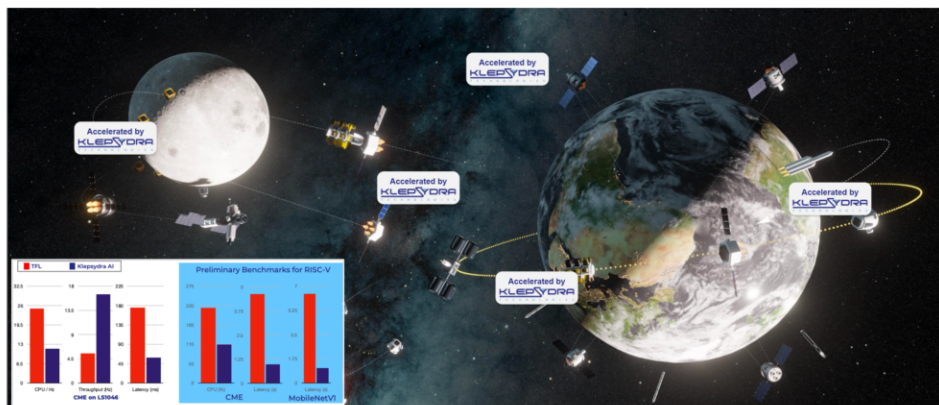
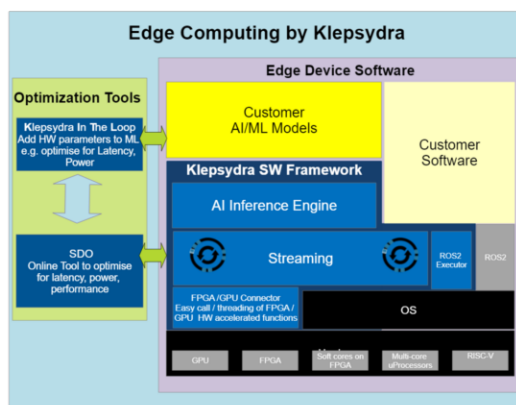
Klepsydra Explained

Klepsydra – The Software Framework for highly efficient AI inference and data processing to enable Intelligent Space Systems

Applications

Space

Klepsydra enables a wider adoption of AI on space systems by utilizing the full potential of space computers



Implement Intelligence on a larger range of Space Systems – From low cost systems using low cost processors to high-end systems with dedicated accelerator hardware

See for yourself

our demos

All the latest News



[Klepsydra AI successfully ported to RTEMS6 SMP for a Cortex-A9](#)

Klepsydra AI successfully ported to RTEMS6 SMP for a Cortex-A9

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