



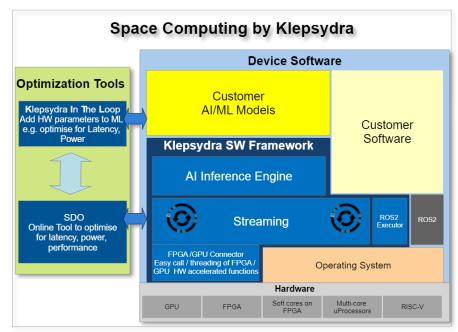
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Our Expertise





Utilize the full Potential of available Space Computers

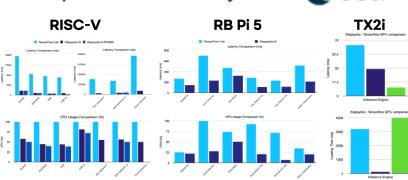


Building Block for Intelligent Space Systems:

- Modular Architecture
- SW/AI defined Systems
- Over-the-Air upgrade
- Common SW Architecture
- Standardized Interfaces / Open Specifications







Implement Intelligence on a larger range of Space Systems



Topic

HORIZON-CL4-2025-02-SPACE-31: Digital enablers and building blocks for Earth Observation and Satellite telecommunication for Space solutions

Advanced Earth observation payloads, technologies and processing means (on ground and/or in space) - distributed computing - flexible and modular testbed prototype with representative building blocks for complex SatCom typologies - breakthrough digitalized technology steps, such as Al algorithms - digital techniques and technologies to support novel operational approaches - including their digitalized on-board processing electronics - fit for affordable EO constellations to address emerging markets - maturation of high-performance processing payload H/W to support space network capabilities together with software functions to support reconfigurability, inter alia



HORIZON-CL4-2025-02-SPACE-32: Preparing demonstration missions for collaborative Earth Observation and Satellite telecommunication for Space solutions

- on-board processing to optimize EO missions' performance or timeliness (e.g., standardized software framework to host embedded edge-computing applications -AI, Machine Learning-, data/signal image processing, enhanced downlink and uplink capabilities)
- in-orbit demonstration focusing on software and digital tools (e.g. algorithms, functions), **supporting open-HW alternatives** (e.g. processors, electronics) such as **RISC-V** or similar from design to pre-operation phases

We also see possibilities to contribute to, depending on topics and approaches, e.g. utilizing / developing an on-board SW component:

- Digital solutions for autonomy for space transportation systems, design and simulation tools HORIZON-CL4-2025-02-SPACE-12/13
- ISOS Pilot Mission Detailed Design HORIZON-CL4-2025-02-SPACE-22/23/24



Contact us

mEUR orders secured in 3 sectors Space, Defense, Mobility



mEUR Funding - Investments & Grants



People Across Europe and North America



Patents Wordwide application





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Experience

Several ESA Projects

REBECCA - H-Europe/KDT-JU on EdgeAl

