

OEHI Introduction



<http://www.openedgehpcinitiative.org/>





Open Edge and HPC Initiative



VISION



The purpose of the OEHI is to foster the development of an open and feature-rich ecosystem for **Arm** and **RISC-V** based technologies

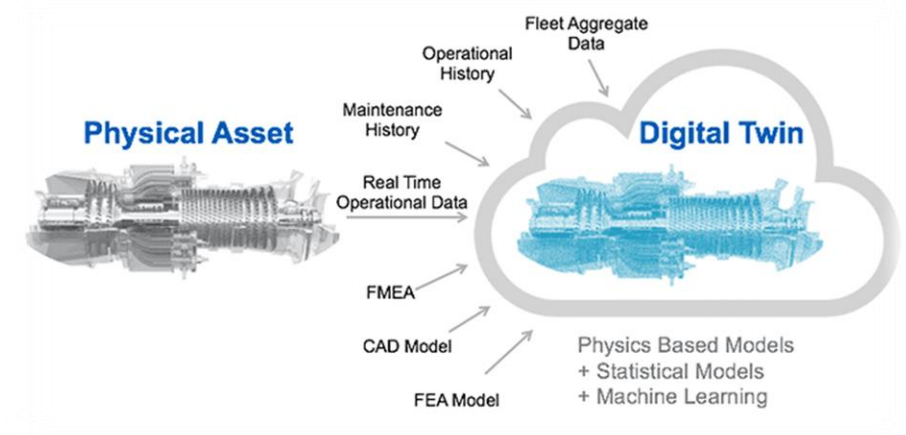
Mission



- Make the **Arm** and **RISC-V** based technology well suited for different IT segments including but not limited to **High Performance Computing** (HPC), **Edge computing**, High Performance Data Analytics (HPDA), and Artificial Intelligence (AI)
- Lay the foundation for the future **computing continuum ranging from HPC to Edge** by enabling innovations
- Support the evolving **needs of the various industries undergoing digitization** and of all their respective stakeholders
 - This ecosystem will complement and enrich the existing ecosystems and is open to all relevant players, including ISVs, solution providers, integrators as well as key customers of such solutions.

Main Focus Areas

- **HPC ecosystem development**
 - Developing Arm as a leading solution for HPC
 - Fostering development of RISC-V
- **Innovation towards Computing Continuum**
 - Developing Digital Twin platform
 - Seamless integration and interconnection of devices from HPC to Edge
 - Develop an ecosystem for industry verticals like autonomous driving, smart city, ...

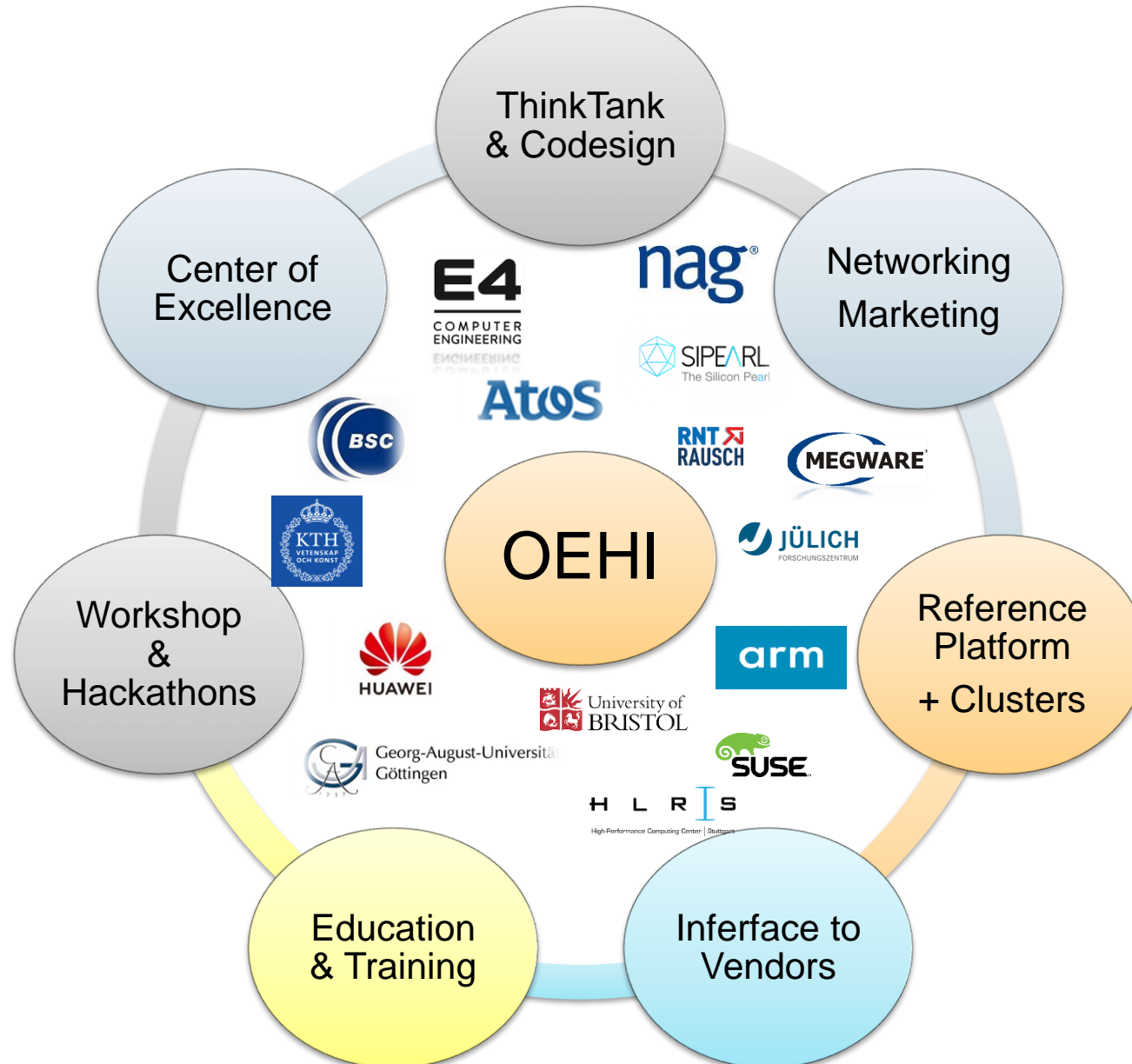


Value Add for Members



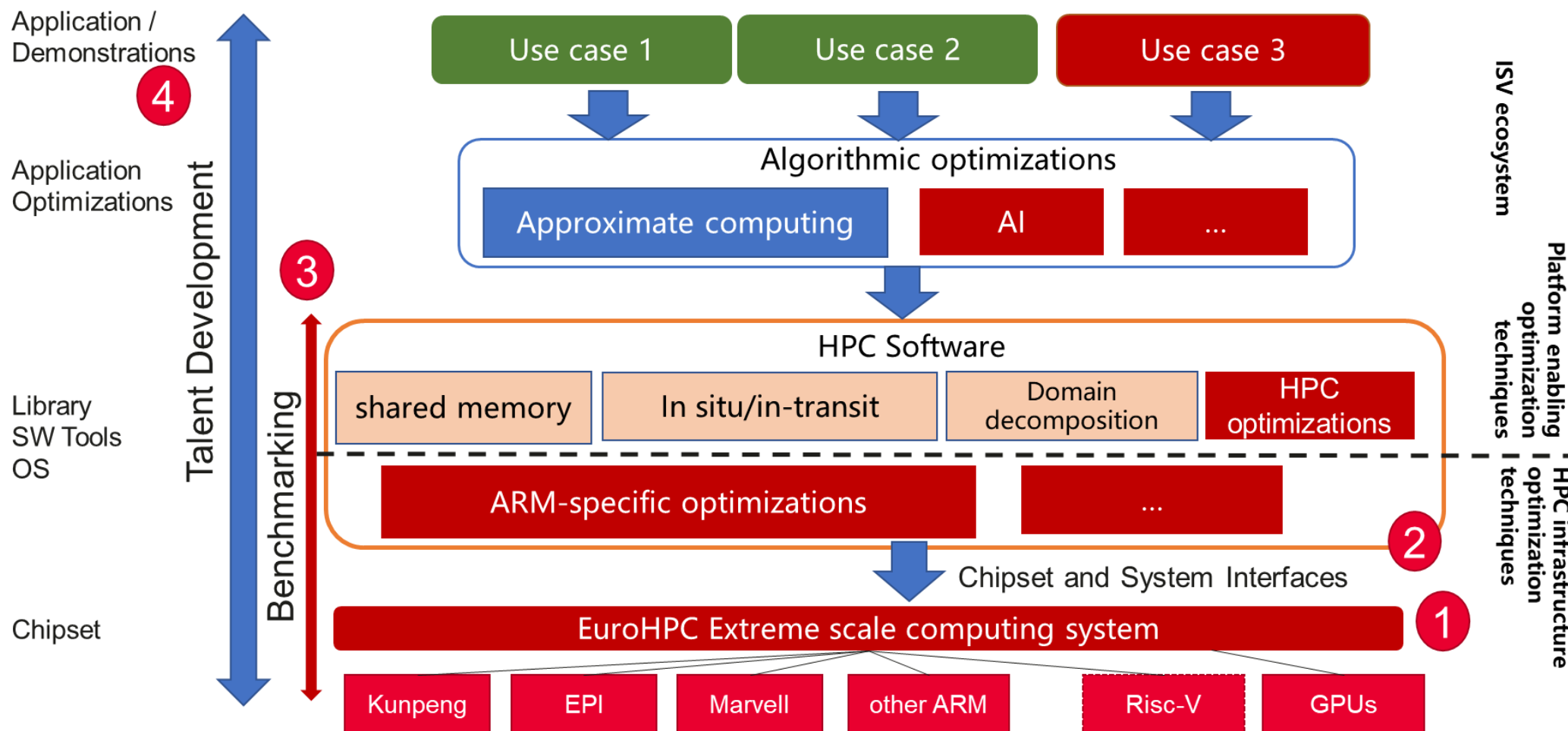
- ❑ Foster a **path towards market success** for Arm-based vendors and solution providers
 - ❑ Develop a path for RISC-V success in the future
- ❑ **Drive innovation** towards the future compute continuum and support realisation digital twin platforms/solutions for solving industry and societal problems
 - ❑ Like smart manufacturing, climate (Earth simulations) and smart cities
- ❑ **Create assets** in-terms of technical specifications, standards and reference architectures (eg. In establishing a compute continuum)

OEHI COMPUTING ECOSYSTEM



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OEHI main deliverable





Thanks