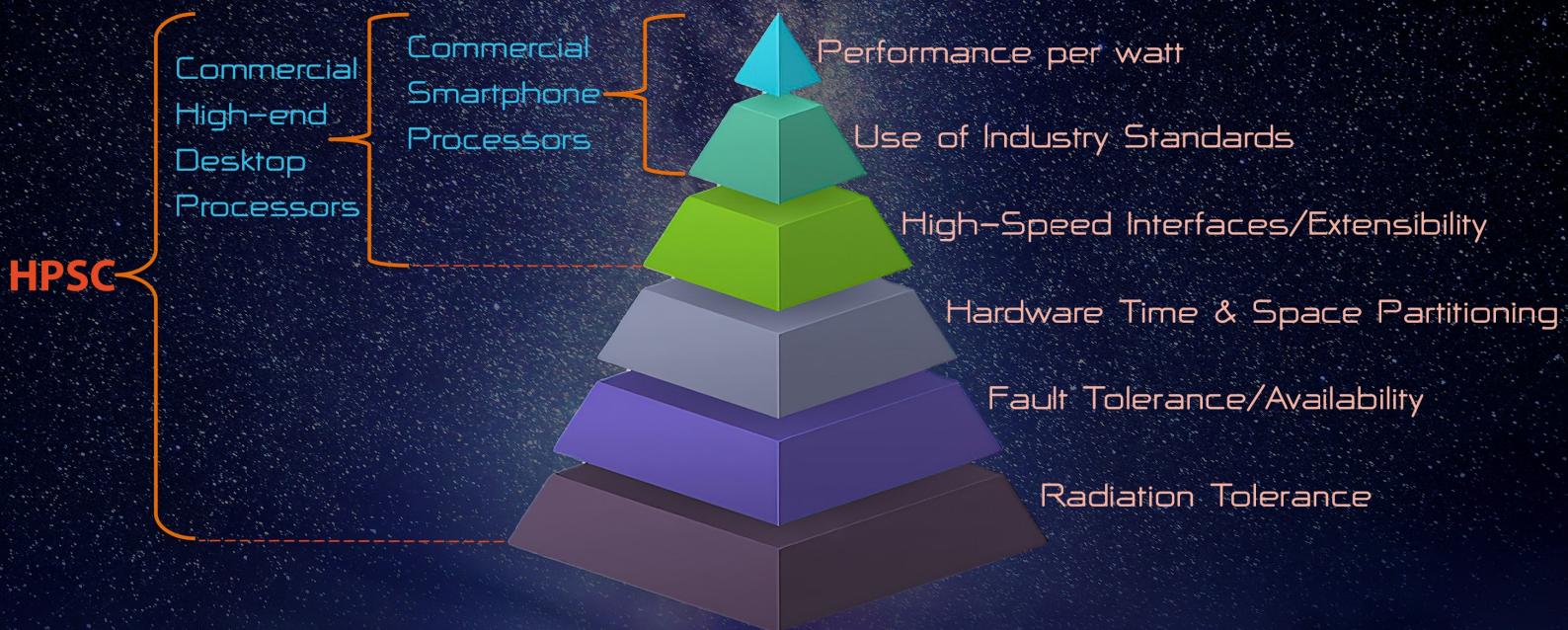




HIGH PERFORMANCE SPACEFLIGHT COMPUTING



Necessary Capabilities of Space Compute Hardware

SpaceVPX

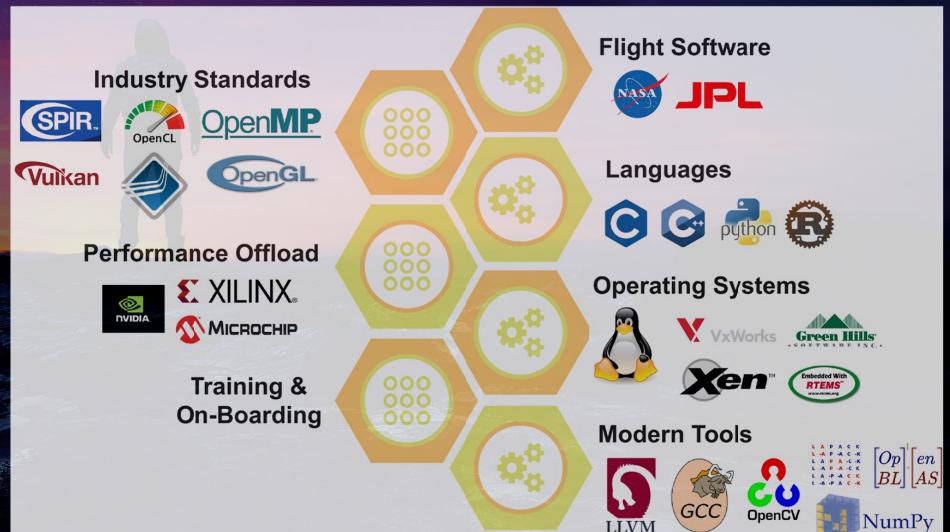
- Objective: Increase use of standardized COTS solutions
- Accelerate speed of development & reduce cost
- SpaceVPX interoperability report redefines NASA's needs.
- 3U and 6U SpaceVPX solutions

Interoperable Modules

- HPSC companion SpaceVPX modules
- Storage, FPGA, etc.
- Aligning data plane, control plane, and expansion plane interconnect to Ethernet, SpaceWire, and PCIe.

Single Board Computers (SBCs)

- Leverage flight-ready HPSC based SpaceVPX SBCs from industry partners.
- Opportunity for vendors to expand HPSC-based SBCs into other form-factors for the broader A&D market.



HPSC Ecosystem

Software Ecosystem

Coming to a Spacecraft Near You
in mid-2025