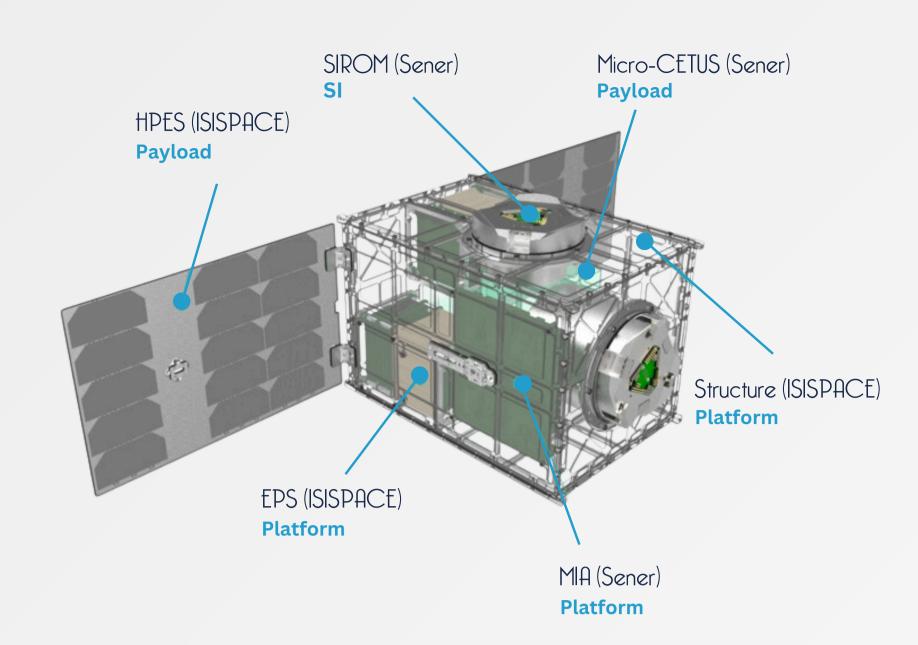


Orbital Replacement Unit - Based on Building Blocks for Advanced Assembly of Space Systems

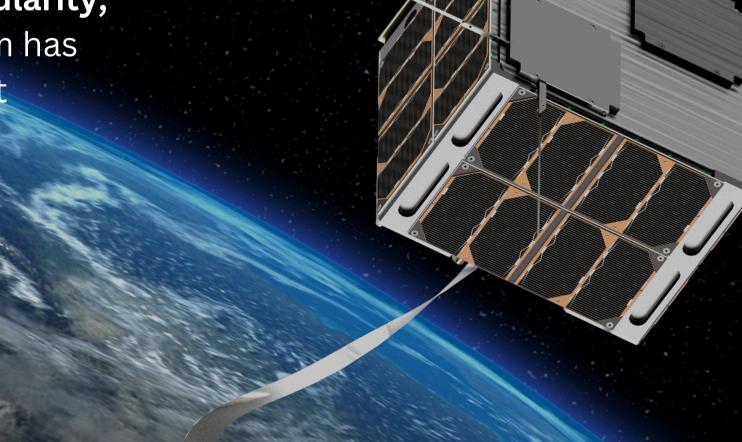
The ORU-BOAS system brings modularity to satellite construction, servicing, and assembly. By leveraging plug-and-play modules, it reduces costs, extends mission lifespans, and adapts to diverse mission needs.

Building the Future of Space. One Module at a Time





The development of this modular satellite system has achieved significant milestones across all phases, from concept to validation. By focusing on scalable designs, modularity, and seamless integration, the program has advanced satellite technology to meet diverse mission requirements.





ORU-BOAS aligns with the EU's strategic objective to attain the capacity to "Act in Space", a critical step toward ensuring autonomy and sustainability in the European space ecosystem. As part of this initiative, the project contributes to the development of In-Space Operations and Services (ISOS), enabling advanced capabilities like servicing, assembly, manufacturing, debris removal, and autonomous transport.



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and not necessarily reflect those of the European Union or HaDEA. Neither the European Union nor HaDEA can be held responsible for them.















