



Preparation activities of launch services from European privately developed mini/micro launchers

Executive Summary

*Company robustness assessment, preliminary mission analysis and gap analysis
OSIP - Innovation Area: Preparation; Campaign. Preparation activities of launch services from European privately developed mini/micro launchers*

Affiliation(s): Isar Aerospace SE

Activity summary:

Isar Aerospace SE (ISAR), headquartered in Ottobrunn, Germany, offers a new flexible and cost-efficient European launch service using Spectrum, our in-house developed launch vehicle. We provide an independent, optimal solution that covers all technical requirements needed by customers worldwide. The full system testing and launch experience with Spectrum is crucial in enabling fast and low-cost space access for small and medium satellites. We propose high cadence services that will accelerate competitiveness and market presence, and we ensure competitive launch services by designing, building, and launching vehicles in a fully vertically integrated approach. ISAR is the most robust and progressed commercial microlauncher company in Europe and is prepared to launch missions from the European Space Agency.

*PREPARATION ACTIVITIES OF LAUNCH SERVICES FROM EUROPEAN PRIVATELY DEVELOPED
MINI/MICRO LAUNCHERS*

Throughout this contract, ISAR has conducted a thorough assessment of our company's technical and financial status to present to ESA. Moreover, ISAR has performed a technical feasibility analysis for four ESA missions: LEO-PNT, DRACO, SATIS, and LUMIO. Lastly, a comprehensive gap analysis was undertaken, resulting in a detailed roadmap with concrete recommendations for the agency on how to support commercial companies like ours in thriving as commercial launch service providers.