



Loft Orbital: Space Mission as-a-Service

Loft Orbital provides “Space Infrastructure as-a-Service,” a flexible satellite and mission operations platform to accommodate any customer payload on a 100kg-class satellite. By bringing standardization to the space industry, Loft Orbital delivers a simple, fast, and low-cost option for space access, without compromising reliability or restricting design or capabilities.



AIMS

Today, spacecraft are one-off designs, built to satisfy a specific customer's requirements, or carry payload and mission design restrictions. These design as well as the rest of the requirements are very resource intensive. While this approach optimizes for performance, it results in expensive satellite programs with multi-year lead times and high risk.

PRODUCTION

1. Develop the hardware and software abstraction layers to decouple payloads from the bus and operations.
2. Use an identical, fixed satellite bus design for each mission.
3. Bulk buy satellite bus hardware from a third-party and hold in inventory for quick deployments of customer payloads.

BENEFITS

Loft Orbital's technologies act as universal adapters to accommodate missions in drastically reduced schedules. Standardization removes the need for non-recurring engineering (NRE), coupled with an OPEX business approach (as-a-service) which are driving the costs down. It also builds extensive heritage as more satellites are flown.

COMPANY



MAIN TECHNOS



METRICS

Employees



+55

Creation



2017