

## Job Description

**Role:** Systems Engineer **Location:** Remote initially, transitioning to Ahmedabad within 6 months. **Type:** Full-Time

### About Orbit Grid

As global data processing demands outpace terrestrial land, power, and environmental constraints, Orbit Grid is pioneering the next tier of digital infrastructure: multi-tenant, shared orbital datacenters. We are building the foundational hardware and software stacks that allow high-performance, server-class compute infrastructure to be deployed, shared, and scaled directly in space.

### The Engineering Challenge

We work at the intersection of aerospace, high-density compute, and systems engineering to build spaceborne hosting capabilities. An orbital datacenter is a massive exercise in coupled systems optimization. High-density server performance directly dictates extreme thermal loads, which require large deployed radiators, which in turn alter aerodynamic drag and orbital decay mechanics.

As a Systems Engineer, you will be the technical glue of the team. You will own the master budgets, manage cross-disciplinary trade studies, and ensure that mechanical, electrical, thermal, and software sub-systems integrate into a unified, high-performing flight platform.

### What You Will Do

- **Budget Ownership:** Maintain and rigorously enforce the spacecraft's Mass, Power, Thermal, and Data budgets.
- **Requirements Management:** Translate mission requirements into actionable, verifiable interface control documents (ICDs) for subsystem teams.
- **Trade Studies:** Lead multidisciplinary trade studies to resolve conflicting constraints between compute payload performance and satellite bus capabilities.
- **Integration & Testing:** Define system-level verification and validation (V&V) plans and oversee hardware-in-the-loop (HIL) testing.

### Qualifications

- **Base Qualifications:** 1–2 years of experience in systems engineering, multidisciplinary integration, or technical project leadership. Strong foundational engineering knowledge across mechanical, electrical, and software tracks.
- **Advanced Qualifications:** 4+ years of systems engineering experience on complex hardware platforms (aerospace systems, satellite buses, or complex industrial robotics). Deep experience with requirements verification management and failure mode analysis (FMEA).
- **Note:** *Exceptional fresh graduates with deep hands-on student satellite project leadership will be considered for the Intern track.*

### Compensation and Benefits

- Initial monthly stipend during the remote onboarding period.
- Substantial founding-team equity package with standard vesting terms (for full-time track).
- Full-time salary matching local deep-tech standards upon relocation to Ahmedabad.
- Relocation assistance to Ahmedabad within the 6-month window.

**To Apply:** Send your CV, a portfolio demonstrating structural analysis/mechanism design, and a brief write-up to [contact@orbitgrid.in](mailto:contact@orbitgrid.in)