



>> ELEVATE PRODUCTION STANDARDS FROM PROTOTYPES TO ASSEMBLY

Step into the realm of precision and innovation with Sidus. Our comprehensive suite of services brings together skilled engineers, adept technicians, and cutting-edge equipment to elevate your projects from prototypes and test articles to seamless assembly. Whether it's the finesse of precision machining, the artistry of fabrication, or the intricacies of assembly, Sidus delivers excellence at every stage. From one-offs to low-rate initial production and scaling seamlessly to high-volume Swiss screw machining, we ensure your vision becomes a reality with unmatched quality and efficiency. Elevate your production standards with Sidus—where precision meets possibility.

- Multidisciplinary engineering expertise covers a broad spectrum of capabilities
- Model-based systems engineering approach with 2D and 3D CAD release
- Design for life cycle cost and manufacturability
- Thorough product analysis
- Initial design concepts and requirements definition
- Value-add engineering change recommendations
- Full lifecycle development of space systems and subsystems

DISCIPLINES SUPPORTED

- » Aerospace
- » Electrical
- » Fluid
- » Mechanical
- » Software
- » Systems
- » Structure

ABOUT SIDUS SPACE

- » Born from aerospace, defense, and government modernized manufacturing and engineering, our expert capabilities combine state-of-the-art knowledge, equipment, and facilities to deliver superior quality and fail-safe performance for your most critical missions.



FLUIDS AND PROPULSION DESIGN

- » Ammonia Systems
- » Cryogenic Systems
- » Environmental Control Systems
- » Ground Coolant Systems
- » High Pressure Gaseous Systems
- » Hydraulic Systems
- » Hypergolic Systems

GROUND AND ENGINEERING SUPPORT

- » Cryogenics
- » Electrical Power
- » Hydraulics
- » Life Science Programs
- » Pneumatics
- » Propellants

HARDWARE ENGINEERING

- » Commercial Off-The-Shelf (COTS) Hardware
- » Engineering Support for Level V (Internal) Hardware Requirements
- » Hardware Configuration Item Support
- » Hardware/Software Integration and Test
- » Hardware Test Tools
- » Prototyping Support

REVERSE ENGINEERING

- » Full range deconstruction to reveal design, architecture, and material composition analysis

SYSTEMS ENGINEERING AND INTEGRATION

- » Ground Support and Launch Systems
- » Military Training Systems
- » Space Flight Systems

TECHNICAL ANALYSIS AND INVESTIGATION

- » Concept Development and Systems Analysis
- » Thermal Calculation
- » Safety Analysis of Specific Tasks
- » Statistical Analysis

