

# STATEMENT OF WORK

**SIDERA I - SPACE SYSTEM**

**MARCH 12, 2025**



SPACECRAFT STATEMENT OF WORK

1. INTRODUCTION

1.1 Project Information			
Project Title	AstraLux Sidera I Spacecraft		
SOW Version	Version 1.0		
Client	United States Space Force	Client POC	Charlotte Hayes
Agency	AstraLux Space	Systems Engineering Lead	Teriana Jaslin Pride
Project Start Date	10/01/2025	Project End Date	09/30/2027

1.2. Project Background

The *Sidera I* stakeholder (the “Client”) specializes in providing collection services for agricultural, defense, and weather industries. As the Client expands its service offerings, there is an increasing need to integrate multi-spectral imaging capabilities to support diverse data types and enhance analytical solutions. To drive this initiative, the AstraLux Systems Engineering Team (the “Agency”) has partnered with the Client to deliver comprehensive systems engineering documentation and digital engineering solutions.

1.3 Project Overview

The Agency will develop comprehensive systems engineering documentation and establish a digital engineering environment to support the Client in successfully executing Concept Development, Engineering Development, and Post-Development design reviews, ensuring the seamless integration of the *Sidera I* spacecraft collection system.

Key responsibilities include documentation, modeling, simulation, testing, requirements validation, and defining software and hardware system interfaces. From project initiation on October 1, 2025, through completion on September 30, 2027, the Agency will actively engage in technical and program meetings, as well as hardware and software audits.

At the project's conclusion, the fully integrated system will be transitioned to the Client for continued operation and maintenance.

## 2. OBJECTIVES

### 2.1 Project Objectives

1. Develop and simulate detailed models of the structure, behavior, and parametric characteristics of the <i>Sidera I</i> system interfaces, ensuring seamless integration of hardware and software components.
2. Establish a robust digital engineering environment that consolidates all program management, systems, hardware, and software artifacts into a centralized, easily accessible platform for the Client and their customers, facilitating streamlined access and efficient manufacturing processes.
3. Schedule, plan and host successful design reviews to demonstrate the full functionality of the hardware and software systems.
4. Schedule, plan, and oversee the integration of the system into the Client’s customer site, ensuring seamless deployment and full operational readiness.

## 3. SCOPE OF WORK

### 3.1 In Scope

- Actively collaborate with the Client by participating in weekly leadership and technical meetings.
- Develop interface, functional, physical, requirements artifacts to document the system configuration, informed by insights from Client meetings.
- Manage logistics and establish parameters for successful design reviews.
- Oversee and coordinate system integration activities to ensure a seamless deployment.
- Addressing the mission engineering context of the Client’s system.
- Addressing the mission engineering context of the Client’s customer’s system of systems.

### 3.2 Out of Scope

- Developing additional assets beyond those explicitly outlined in the Statement of Work.
- Providing support for maintenance or retirement procedures, including system updates or replacing the integrated system with enhanced legacy systems.