

## 4. STRAP ON NOSE CONE FOR A SPACE LAUNCH VEHICLE

### **Problem Statement:**

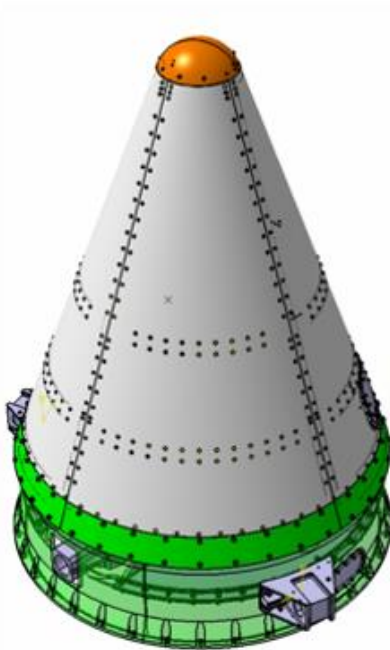
A Space Research Organisation approached us to perform the manufacturing & create the detailed Process sheets for the Strap on Nose Cones used in the Space Launch Vehicles.

### **Scope of Work:**

Create detailed Process sheets & carry out manufacturing for the highly critical Strap On Nose Cones (PSOM, SITVC & NON-SITVC) which were to be used in the Space Launch Vehicles. They had to be fabricated to withstand tremendous temperatures at high altitudes.

### **Challenges:**

- Carry out detailed design of all components according to the clients standards.
- Ensure detailed Process sheets were created and followed by the manufacturing unit.
- Confirm strict tolerances were maintained.



**Designed SONC for Launch Vehicle**

### **Execution Strategy:**

- Study was carried out by the team on various Strap on Nose Cones & the standards used by the client.
- Standard components of the Strap on Nose Cone had to be designed & handed over to the manufacturing team for their inputs.

- Detailed process sheets for manufacturing were created and verified with the client before fabrication was underway.

### **Value Added:**

- Detailed process sheets were created which ensured that the manufacturing of the Nose Cone was carried out flawlessly.
- On-time, quality delivery was ensured.



**Manufactured Strap On Nose Cone (SONC) for Launch Vehicle**