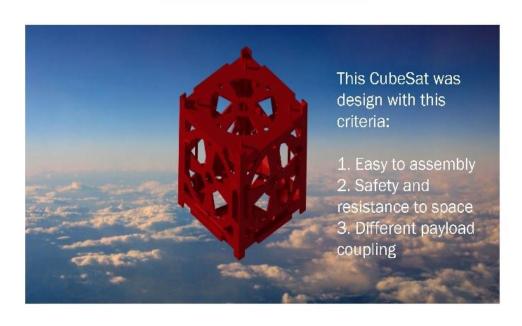
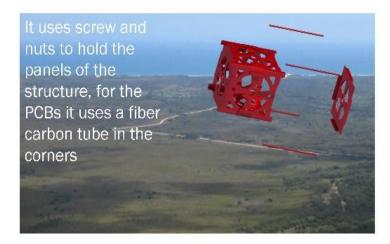
## ProtoCube

## Specifications

## Assembly





## Materials



Aluminium AlSi10Mg is the best option.

#### Highlights

- · Low weight
- · Good thermal properties
- · Good strength and hardness
- Fast building
- · Excellent machinability

#### **Applications**

- · Thin walls
- · Complex geometries
- · Lower cost prototypes
- Aerospace
- · Automotive

# **NNSYS**

### **Tests**

We have test this structure using finite element in ANSYS, with good result. Some of the test where:

Structural integrity: a load in the top plate with an acceleration of 20G and a mas of 1.3Kg.

Vibration: Random vibration with a maximum of 2000 Hz Thermal conductivity: Heat conductivity from the top plate to the bottom plate from  $180\,^\circ\text{C}$  to  $-70\,^\circ\text{C}$ 

