**The spacecraft**

**Description:** The Psyche spacecraft consists of a body that is slightly larger than a smart car and about 10ft tall. Solar panels in a plus shape shalle be attached to two opposite sides to of the body. The body with the solar panels will be about the size of a singles tennis court. The spacecraft is equipped with a Gamma Ray and Neutron Spectrometer, a Multispectral imager, a Magnetometer and an x-band radio telecommunications system. It will also feature a new laser communication technology called Deep Space Optical Communication.



**Propulsion System**

The spacecraft will be propelled by solar electric propulsion. (More research needed on solar electric propulsion).