

RAINHOUSE AND ORCASat

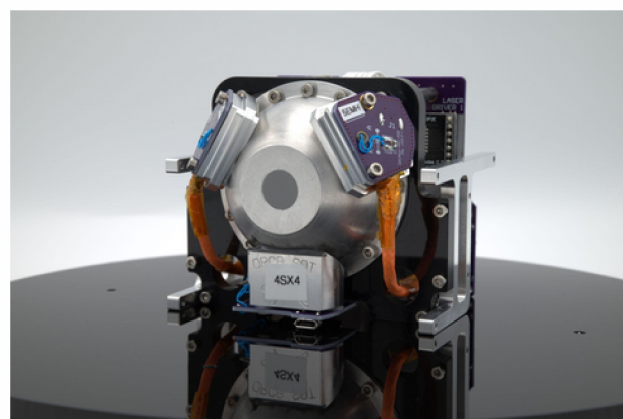
Rainhouse has helped the ORCASat project by sponsoring the manufacturing time of several critical spacecraft components including the spacecraft rail panels and integrating sphere fronts, and other several minor components.



Rail panels are the black components (due to being hard anodized) that along with the side panels (bare aluminum components) form the spacecraft structure

The integrating sphere is a critical component of the spacecraft payload and mission as it allows ORCASat to emit light and measure it with multiple photodetectors simultaneously, while also having a large viewing angle.

The rail panels are one of the two components that constitute the core spacecraft structure or chassis. The rail panels have demanding tolerances to ensure the fit spacecraft structure is a perfect fit with the launch vehicle.



Fully assembled payload, the integrating sphere front is clearly shown with its key features.

The ORCASat team shared their gratitude for our contributions and Alex Adoknjas stated "With the support in manufacturing these components, ORCASat would not be possible. Rainhouse has always been friendly and supportive of the ORCASat project since its inception and continued to provide support right up until the final stages of assembly, integration, and testing of the flight spacecraft."

With the ORCASat project as an example, we want to show our support and encourage all teams and engineering groups to continue working on their passions and innovations. As a community, we believe we can work together to achieve great results.