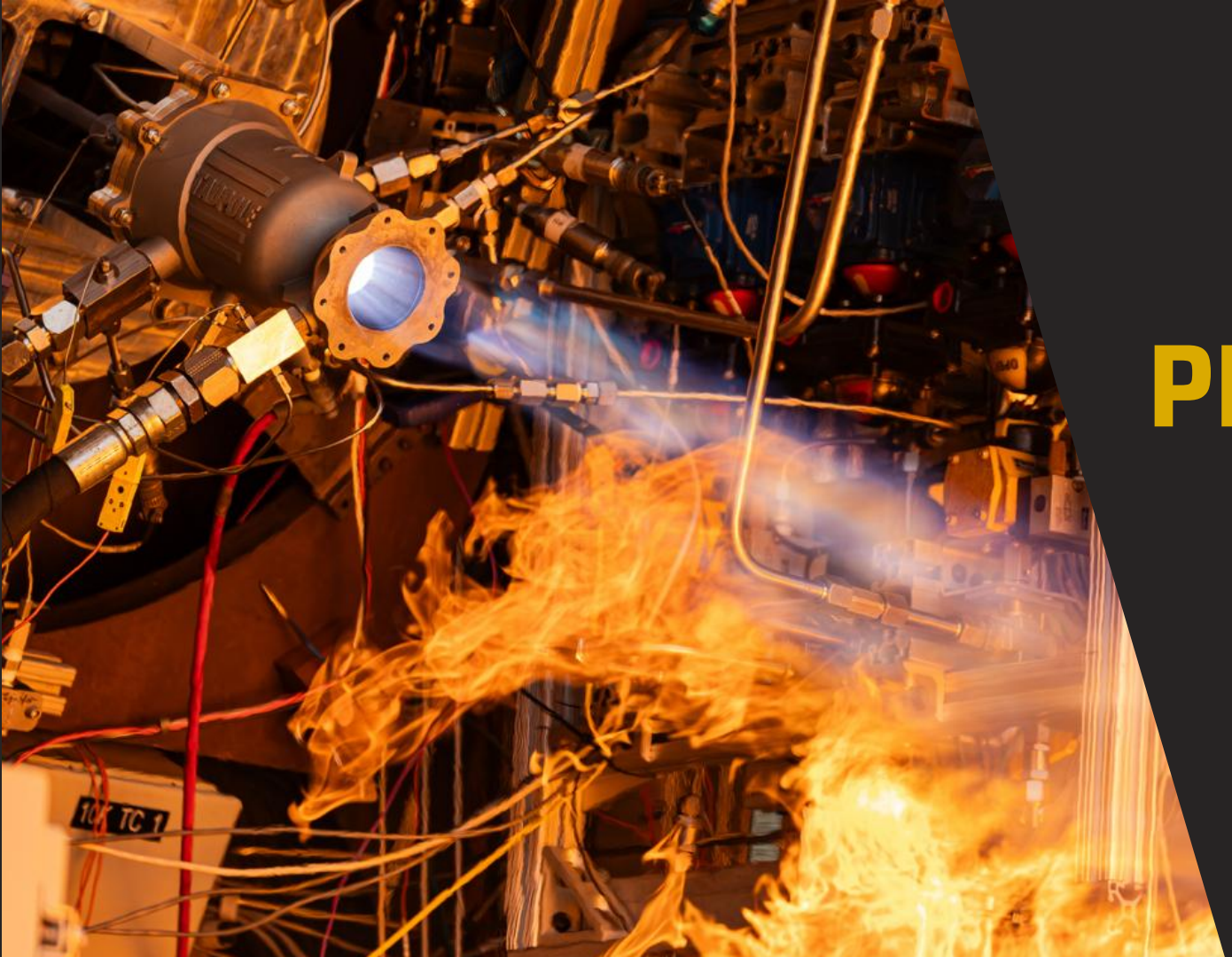


PURDUE SPACE PROGRAM

A SEDS Chapter

Sponsorship Information
2025-2026

PSP

500+ Members
10 Teams
1 PSP

ACTIVE CONTROLS

PSP-AC is competing in the Collegiate Propulsive Lander Challenge (CPLC), with the end goal of flying an actively controlled liquid rocket lander. AC recently won the CPLC Throttle milestone, and is currently working on a EDF powered avionics test bed, ASTRA, and a 550 lb force regeneratively cooled engine, Tadpole.

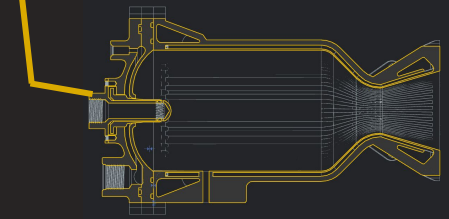
Thrust Vector Control Hotfire — $15k

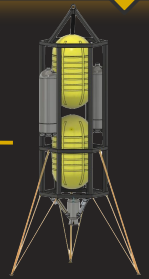
Throttleable Engine Hotfire — $15k

The Bess Touchdown — $25k

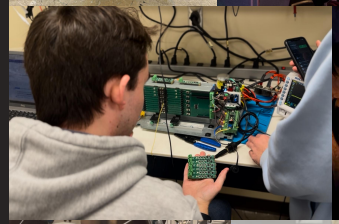
Tethered Hover — $25k

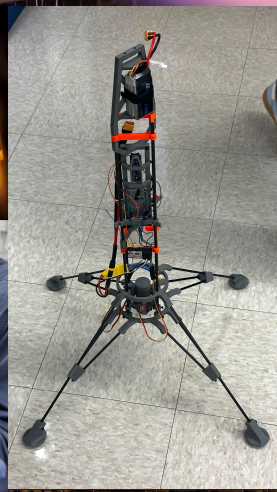
50m Hop — $50k

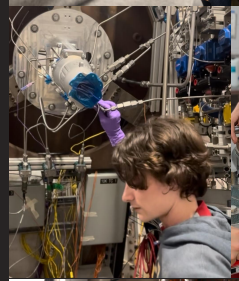


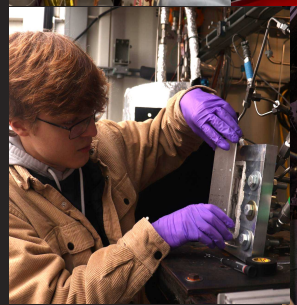


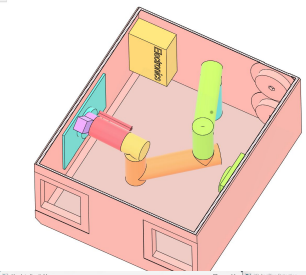
**Each milestone can be won by only 3 teams across the world*

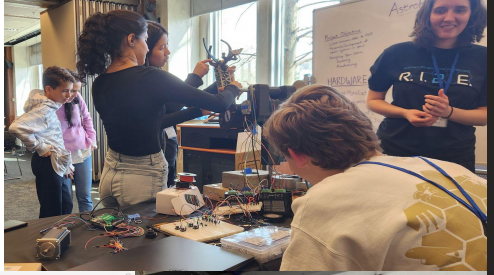


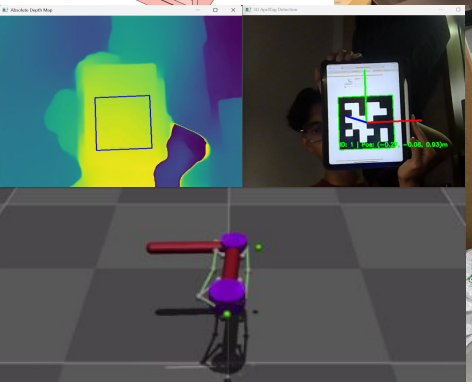






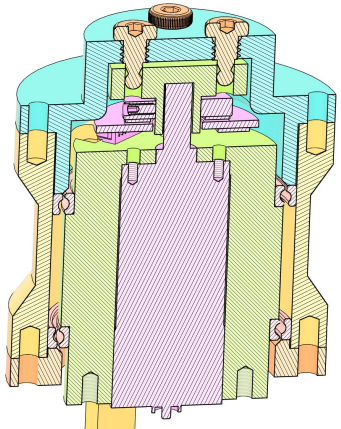


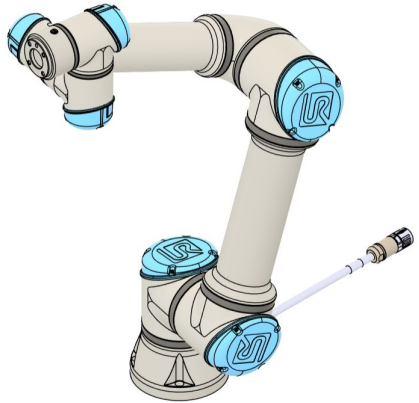




ASTROBOTICS

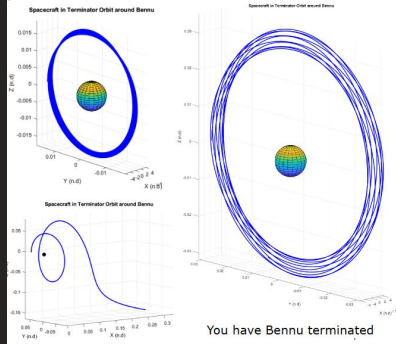
Astrobotics has the goal of researching and developing autonomous robotic mechanisms that enable and further In-Space Assembly and Manufacturing (ISAM) operations in Low Earth Orbit. This year, Astrobotics plans to compete in the Consortium for Space Mobility and ISAM Capabilities competition, where they will simulate and present a robotic arm performing an ISAM operation.

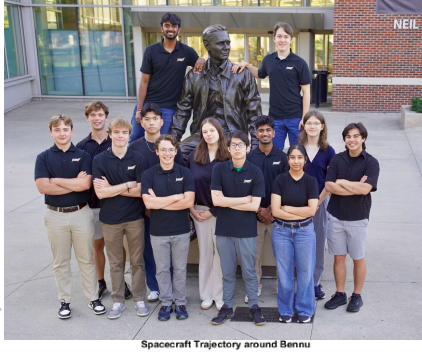




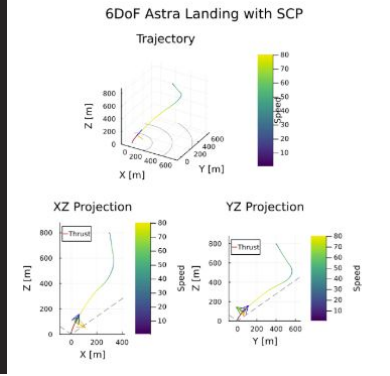
ASTRODYNAMICS

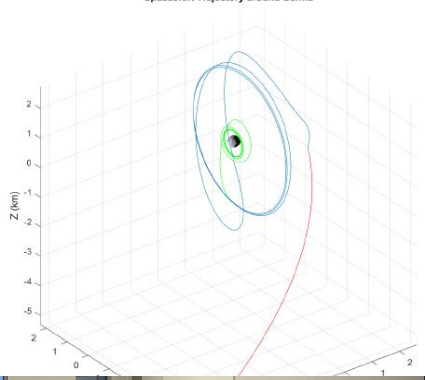
PSP-ASA conducts active research pertaining to astrodynamics in applications such as asteroid mining and trajectory optimization while supporting other PSP teams in their simulation needs. This year, ASA will be competing in the Global Trajectory Optimization Competition, where they compete against worldwide organizations including ULA, NASA, JAXA, ESA, and many more. They currently stand 15th out of 100 teams.

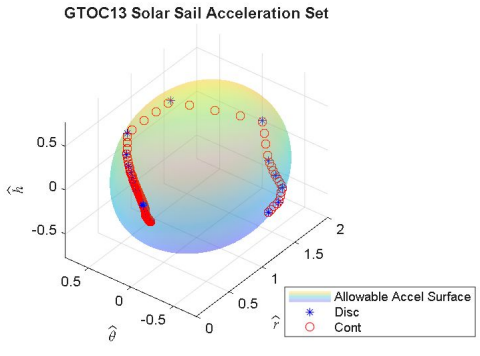


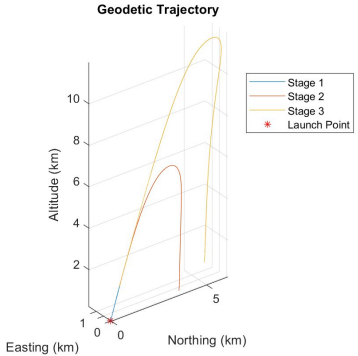


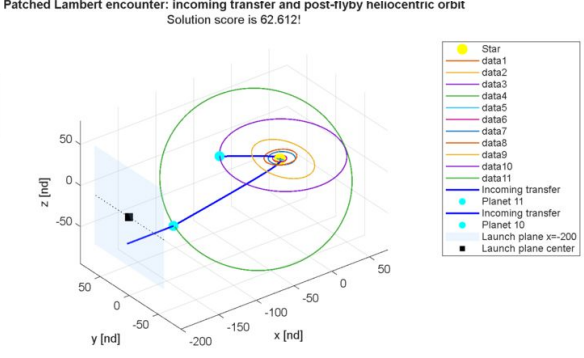
Spacecraft Trajectory around Bennu





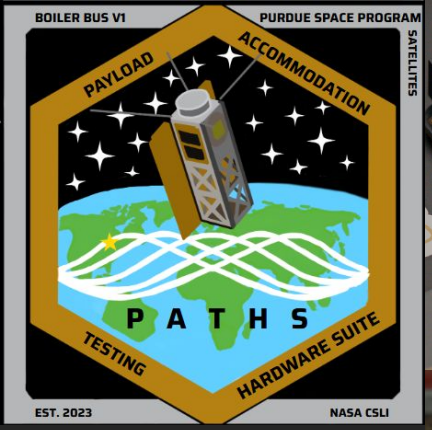


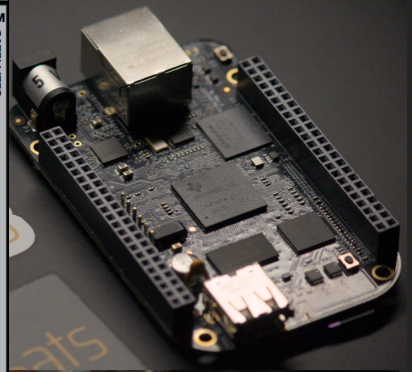


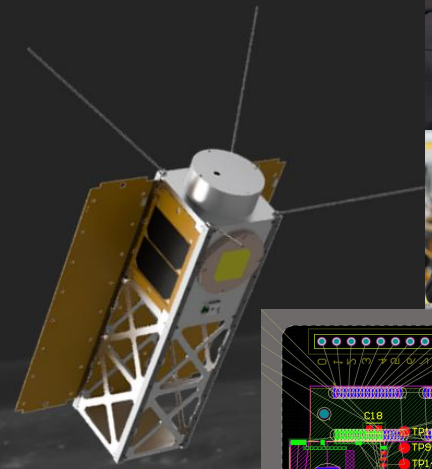


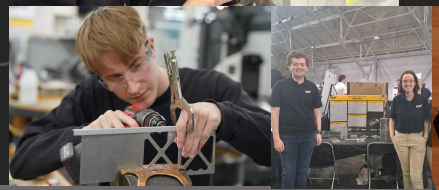
SATELLITES

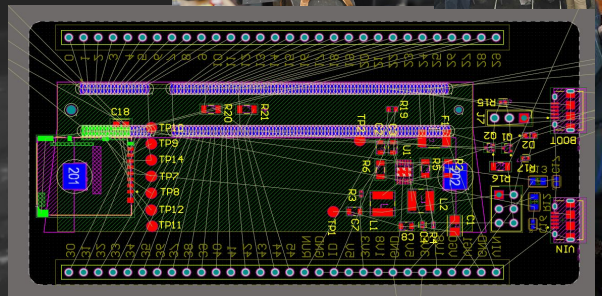
PSP-SATS seeks to connect students and industry by researching, designing, and launching satellites that align with industry standards. Targeting a launch of their Boiler Bus satellite-as-a-service in Fall 2027, Sats has spent the last year developing detumble algorithms, manufacturing components, and writing their own software.

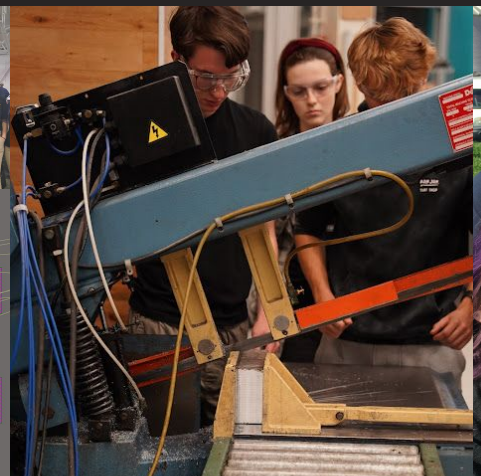






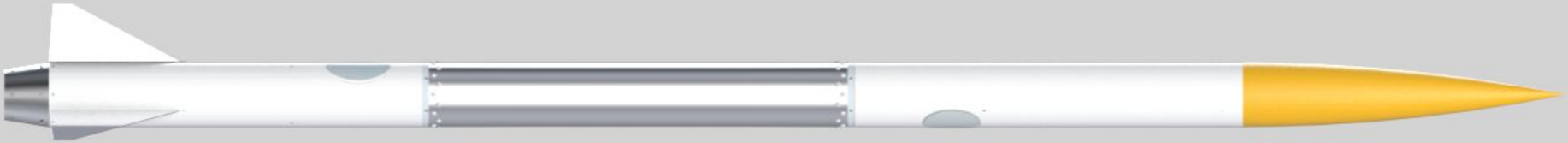






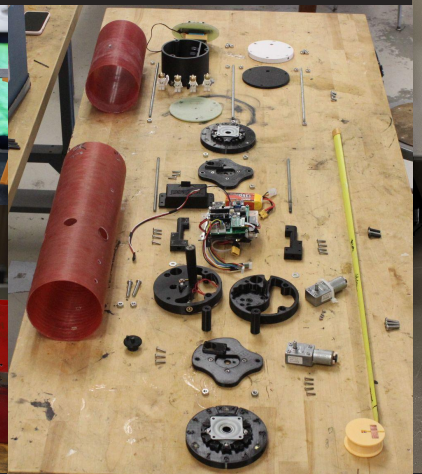
HYBRIDS

PSP-H is unique within Purdue. While other teams including those within PSP tend to focus on either solid or liquid motors, Hybrids is the only rocketry team at Purdue developing hybrid rocket motors. Their current project, Spectre, is fueled by an-HTPB based solid fuel and a liquid nitrous oxide oxidizer. Spectre will fly at the FAR OUT competition in the summer of 2026.



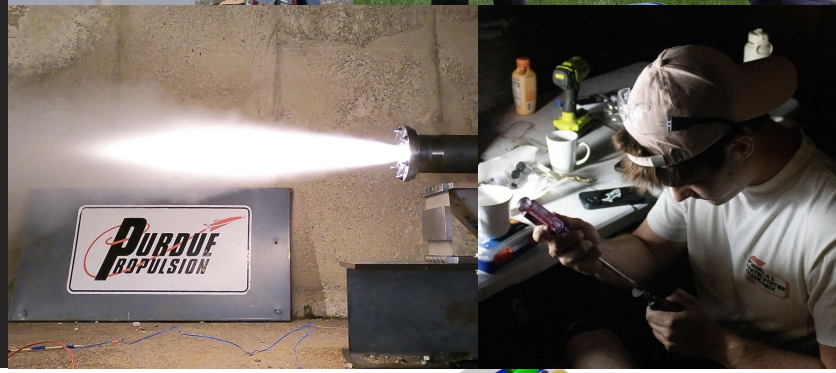
STUDENT LAUNCH

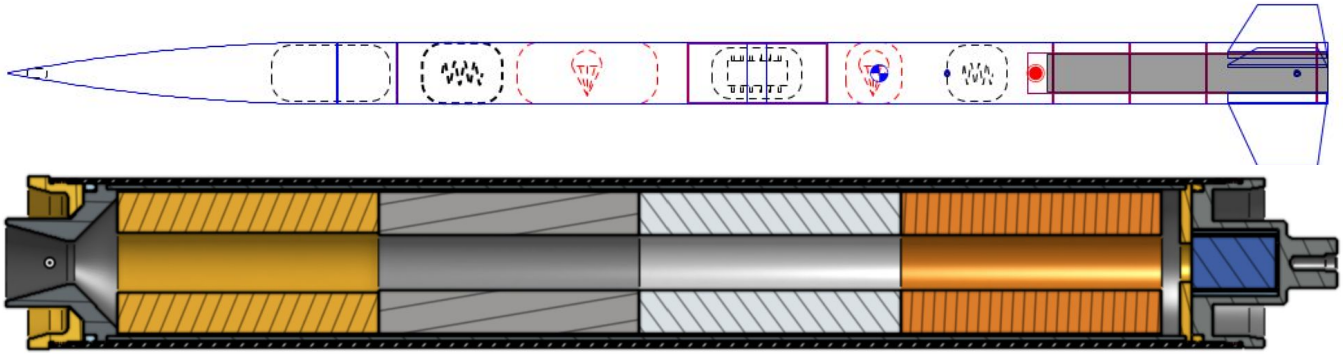
PSP-SL is a competitive rocketry team, competing every year in the NASA Student Launch competition against 40+ university teams. This spring, they won 9th overall and were 3rd for the Safety Award. Because the requirements for the SL competition change annually, this team fosters adaptability and develops new skills in its members each year.

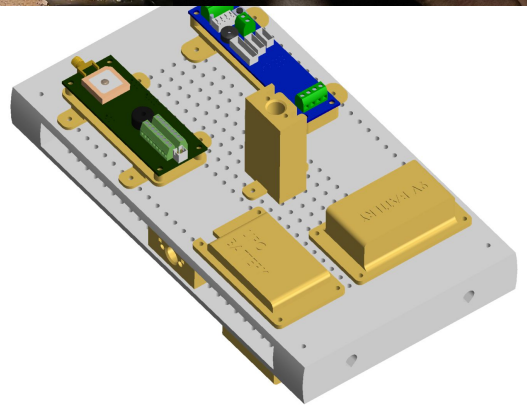


IREC

PSP-IREC competes annually at the International Rocket Engineering Competition in the SRAD category, which means they build an entirely student researched and designed rocket from the motor to the airframe, avionics, and more. This spring, IREC's Kratos earned 3rd place in the 10,000ft SRAD category, and they are taking what they learned to target 1st place next Spring.





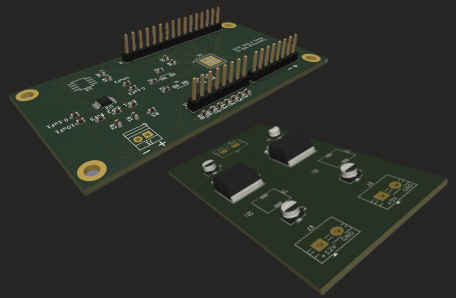


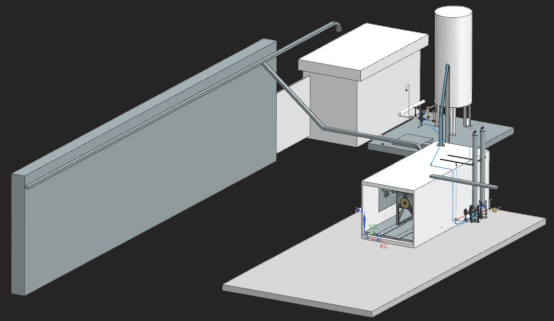
HIGH ALTITUDE

PSP-HA has the mission of launching a two-stage solid rocket to space. Last year, they flew Purdue's first student two-stage rocket, and flew another two-stage rocket to 3rd place at the Argonia Cup. This year, their new project–Centurion–is simulated to reach over 100,000 ft of elevation, taking HA nearly a third of the way to the Karman Line.

LIQUIDS

PSP-L was the first collegiate team to launch a liquid oxygen/liquid methane propelled liquid rocket engine in 2022. Liquids is now working on four different projects, including three rockets propelled by liquid rocket engines and Condor, a test cell for the liquid engines developed by both PSP-L and PSP-AC. They will be launching two of these rockets in the next year, and one–Copperhead–in 2027.





INDIANAPOLIS

PSP-Indy is PSP's newest team, voted into PSP during the summer of 2025. With a long-term goal to launch a rocket to the Karman line, Indy seeks to bring the technical work and leadership opportunities offered by PSP to Purdue Indianapolis students. This year, they are starting small, building a single-stage rocket to qualify them for the International Rocketry Engineering Competition.

	Ignition $1,000	Liftoff $5,000	Max-Q $10,000	Apogee $15,000+
Logo on PSP Website				
Logo in PSP build space				
Dedicated social media post				
Logo on launch shirts				
Resume book access				
Personal recruiting event				
Personal team presentations				
Model of flight vehicles				
Logo on flight vehicles				
Invite to design reviews				

Any material or service donation shall be considered equal to its monetary value.
The monetary value of software donations will be considered on an individual basis

PSP Alumni have worked at...

Contact Us

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