



R F H



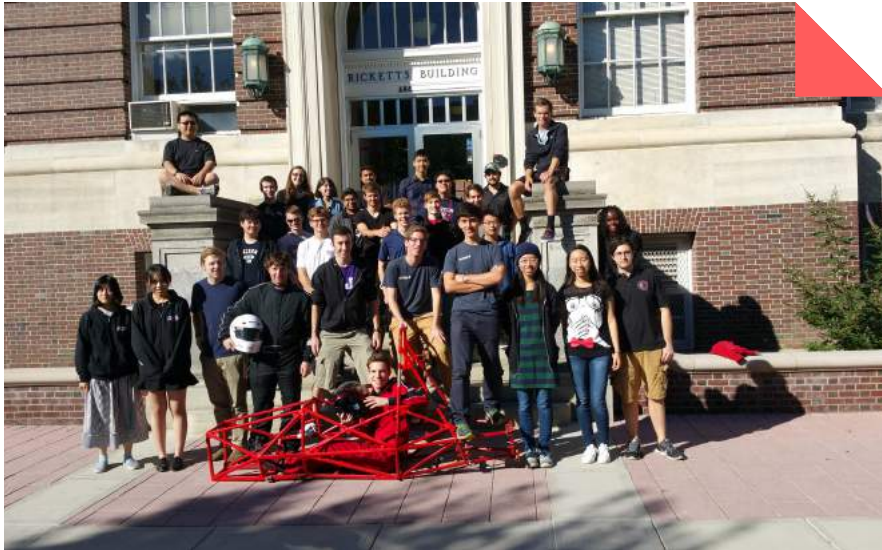
SPONSORSHIP PACKAGE 2018 - 2019



SHOWN ABOVE: **VMR-X**, CURRENT COMPETITION VEHICLE

about the team

Rensselaer Formula Hybrid is a student-run organization that promotes the advancement of engineering proficiency at Rensselaer Polytechnic Institute in Troy, NY.



The team provides hands-on experience in a multi-phased project development process and engineering design practice far beyond a standard university curriculum.

Members build invaluable skills in product-design, team collaboration, and project management, helping to properly prepare them for professional careers in the world of engineering and management.

about the competition

Formula Hybrid is an international collegiate event held at the New Hampshire Motor Speedway in Loudon, NH every spring. The competition attracts top students from a long list of highly-reputable schools, many of which place educational emphasis on STEM research and development. To compete, student teams must design, manufacture, and build a highly complex, formula-style racecar employing a hybrid drivetrain.

The student vehicles are then put through a rigorous set of inspection processes, design evaluations, and dynamic racing events in order to test the overall vehicle abilities and engineering proficiency. The competition promotes creativity and design innovation to help drive technical educational development.

partnerships

why sponsor?

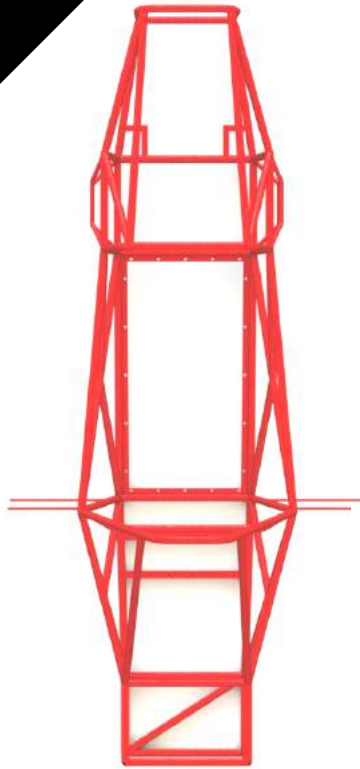


As a self-funded team, Rensselaer Formula Hybrid relies entirely on generous partnerships with top technical companies and organizations. We hold these relationships in high regard and look to build strong networks with those that share our passion for science, engineering, and technology.

By sponsoring Rensselaer Formula Hybrid, you are directly supporting technical education at an advanced level. We cherish the connections we have built with our current and past supporters and invite sponsors to follow our team throughout each year with monthly progress updates including information and visuals regarding how your support is being utilized by the team. This material is always available for both commercial and non-commercial use by sponsors.

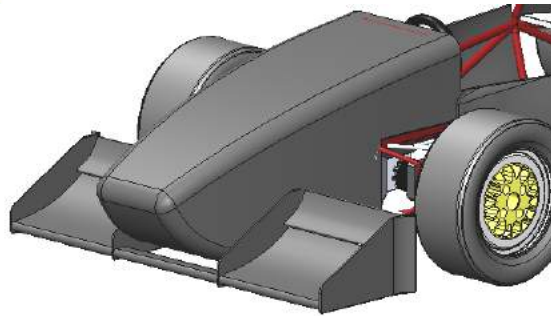
Sponsors also gain a direct communication line to some of the brightest minds at one of the nation's top engineering schools. Many past sponsors have gone on to recruit team members and form valuable connections with Rensselaer Polytechnic Institute. Our shop is always open for sponsor visitation!

ENGINEERING DEVELOPMENTS



powertrain

independent four wheel drive
Dynamic torque vectoring
Inline planetary reducers



high voltage

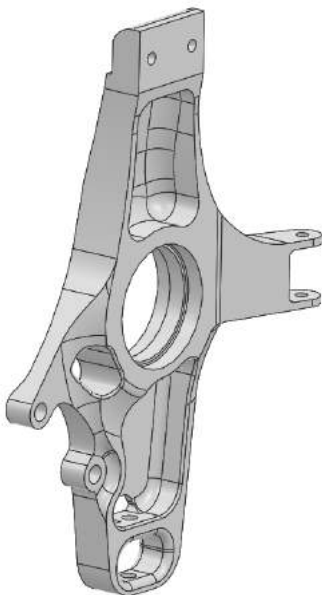
3.8kWh proprietary LiCo pack
Liquid cooling system
Quick service container design

body kit/aero

Carbon fiber body kit
Integrated passive cooling ducts
Active front and rear wings

sensory systems

Custom telemetry systems
Over 40 vehicle sensors
Proprietary control boards

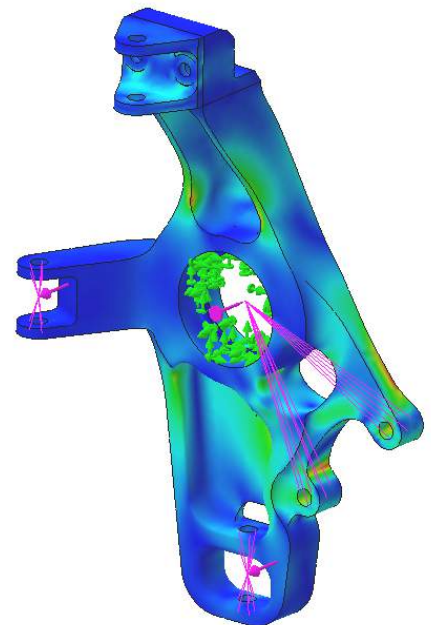


suspension

Active hydraulic anti-roll
Active ride height control

control systems

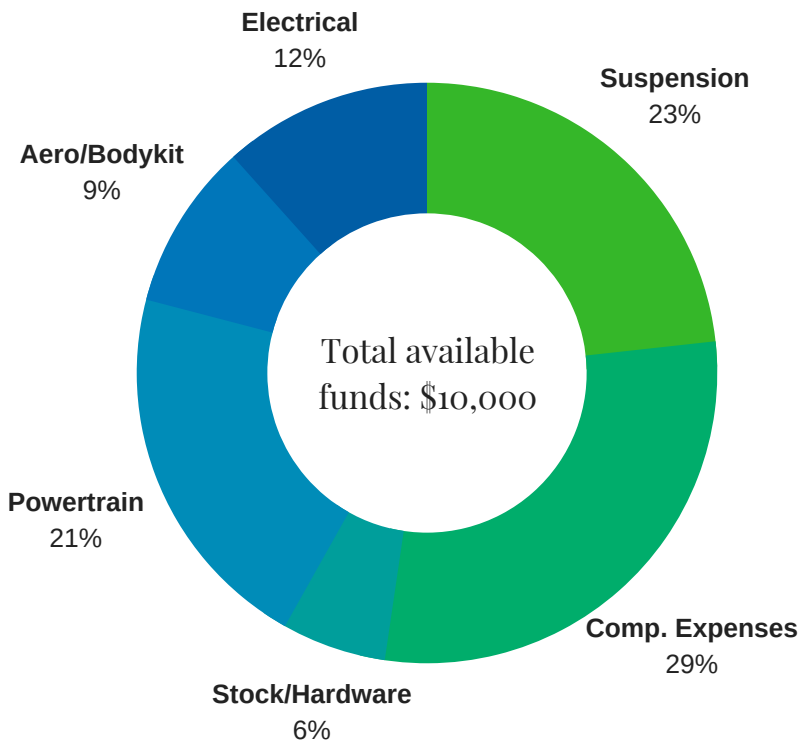
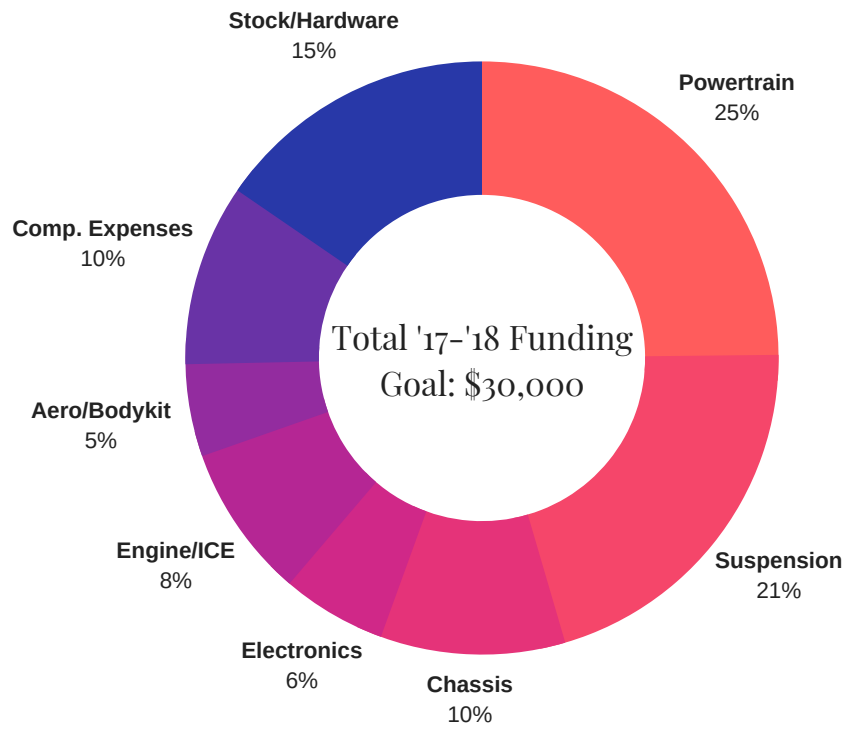
Custom traction unit controls
Driver-tunable vehicle response
"Learning" computation element



'17 - '18

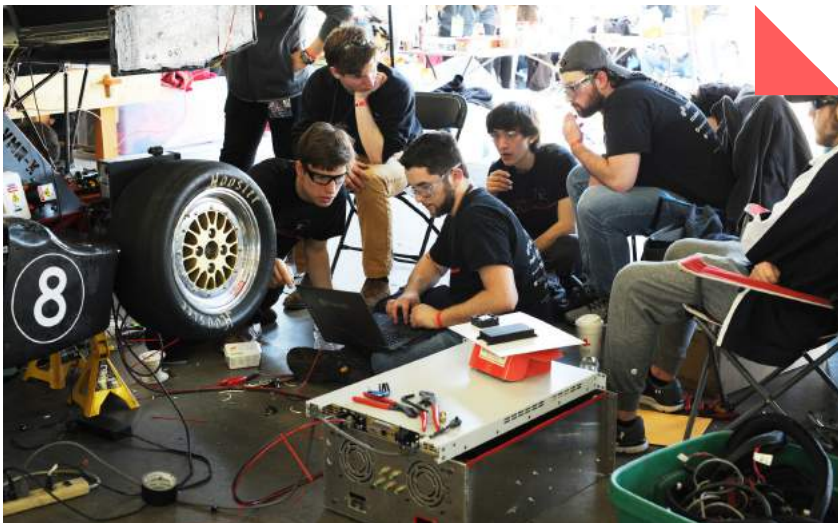
EXPENSES

To help 'bridge the gap' between the students of RFH and success, the team launched an Indiegogo crowdfunding campaign with a goal of increasing our budget by \$10,000 to round out the necessary funding for our 2018 vehicle production. The campaign was a big success and raised slightly more than our goal of \$10,000.



ESTIMATED '18 - '19 EXPENSES

Since the team is working on the same vehicle as the previous year, there are no chassis expenses and the overall expenses are slightly lower. However, the overall funds of the team are substantially lower than that of the previous year, still leaving a sizable budget gap to be filled.





our yearly plan

The 2019 competition year will see an updated vehicle design from Rensselaer Formula Hybrid. Expanding from the ingenuity behind our 2018 vehicle, the 2019 vehicle will see a purpose-built traction controller, active hydraulic suspension, and more.

With system design already underway, the team expects to begin primary manufacturing and assembly by the fall of 2018.

With the new additions and improvements of this vehicle design, your support is appreciated now more than ever!

sponsorship levels

**parabolica
platinum
\$10,000***

Vehicle appearance at donor's event of choice
(within 150 miles of Troy, NY)

(Plus everything below)

**eau rouge
ruby
\$5,000***

Aluminum 'thank you' plaque, designed and
manufactured by team
Team shop tour and visit with student members

(Plus everything below)

**genting
gold
\$2,500***

Large logo on 2019 competition car
Company material distribution at team campus and
outreach events

(Plus everything below)

**senna s
silver
\$1,000***

Logo on team shirts
Medium logo on 2019 competition car
Shout-out/advertisement on team social media and
outreach events

(Plus below)

**becketts
bronze
\$500***

Logo and link on team website
Small logo on 2019 competition car
Newsletter updates throughout season (press use
welcome)

***Or parts of equal value**

TAX DEDUCTIONS & DONATING

All contributions to Rensselaer Formula Hybrid are recognized as tax-exempt charitable donations under 501(c)(3) IRC regulations. Our administration team will work with you to provide tax receipts and any additionally required charitable documentation.

If you would like to contribute to the growth of Rensselaer Formula Hybrid, please contact a team representative below:

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