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### MEET THE TEAM



#### **WHO WE ARE**

UVic Rocketry (UVR) is a team of university, college, and high school students based in Victoria, BC who design, manufacture, test, launch, and recover high-powered sounding rockets. We are united by a shared passion for rocketry, a commitment to excellence, and an unquenchable desire to expand our horizons.



#### WHAT WE DO

**BUILD** We design and manufacture high-powered sounding rockets.

**LAUNCH** Our rockets fly at trans- to supersonic speeds to altitudes in excess of 9 000 feet.

**RECOVER** We ensure that our rockets return safely to Earth.

# **ANDÚRIL-1**

#### **OUR MISSION**

- Reach anticipated apogee altitude and return safely back to Earth
- Demonstrate the team's ability to engineer a supersonic flight vehicle
- Iterate on the hardware flown on Xenia-1 and Xenia-2 rockets

#### **OUR ROCKET**

**COMPETITION** Launch Canada 2024

**APOGEE** 30 000 ft

MAX SPEED Supersonic: Mach 1.5 - 2.0

**PROPULSION** Solid fuel, COTS

**AEROSTRUCTURE** Carbon fibre and fibreglass

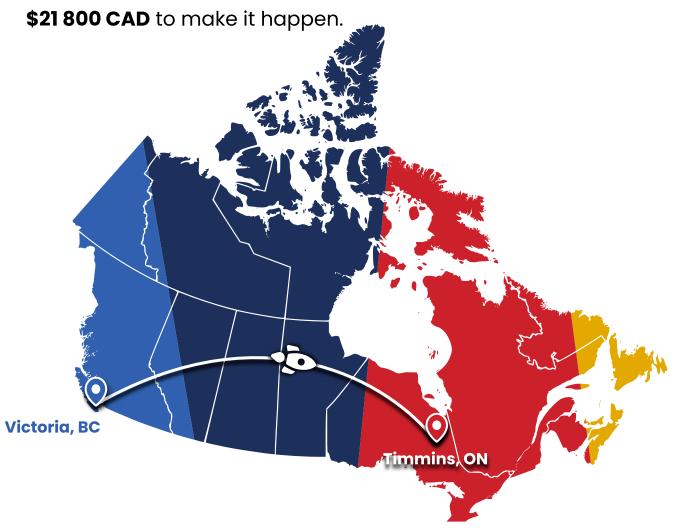
**RECOVERY** Main and drogue chutes

PAYLOAD Protein stress test

### LAUNCH CANADA

Launch Canada is an industry-partnered student rocket competition series with over 20 participating student teams from across the country. Our goal as competitors is to launch a rocket that will reach an altitude of 30 000 feet.

Launch Canada aims to support amateur rocketry teams, connect Canada's rocketry community, and create hands-on opportunities for student rocketeers to develop technical skills. This year, the competition is in Timmins, Ontario, which is over **4 000km** away from our home base in Victoria. It is an arduous journey to both build our rocket and travel from Canada's west coast, we need to raise



## **YOUR IMPACT**

### 1 STUDENT INNOVATION

Your support enables students to explore and research new technologies, develop problemsolving skills, and engage in hands-on aerospace projects. We aim to prepare our members for promising careers in a variety of STEM fields.

### **2 FUTURE CONNECTIONS**

Alumni of UVR have gone on to work for key players in the aerospace field, including at companies like Moon and Mars Industries, SpaceX, and Rocket Lab. Our sponsors gain an early connection with some of the finest future engineers in Western Canada.

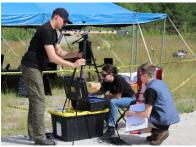
### **3** BRAND PROMOTION

By putting sponsor logos on our rocket and merch, we promote their brands and increase awareness wherever we go. Your company could be a partner in our journey toward the stars.

### **4** COMMUNITY SUPPORT

UVR supports local STEM education and outreach initiatives. Science Venture, HighTechU, GoEngGirl are just some of the groups we have partnered with in recent years. Through sponsorship, you can support our efforts to inspire the next generation of rocketeers!















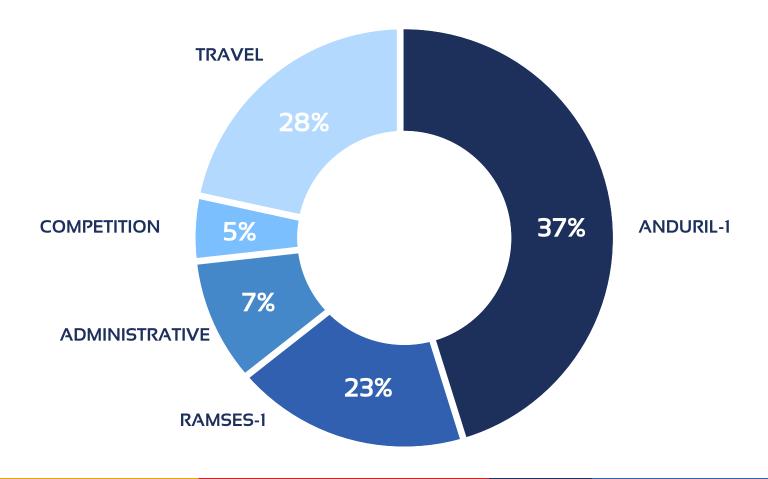
### **SPONSORSHIP**

# YOU could be the difference that gets our rocket off the launch pad!

UVic Rocketry is a not-for-profit team that is fueled by our shared passion for rocketry and the volunteering of our free time during academic semesters. We are entirely funded through sponsorships, grants, and donations. We strive to balance cost and quality, but cutting corners does not lead to mission success.

Sponsorship Levels	<b>Bronze</b> \$500+	<b>Silver</b> \$1000+	<b>Gold</b> \$2000+	<b>Carbon</b> \$5000+
Logo on Website	Small	Medium	Large	Ultra
Logo on Competition Shirts	x	Small	Medium	Large
Logo on Rocket	Small (2x2")	Medium (4x4")	Large (6x6")	Ultra (8x8")
Internal Recruitment Opportunities	X	<b>✓</b>	<b>✓</b>	<b>~</b>
Instagram Promotion	Story Shoutout	Highlighted Story Shoutout	Post	Pinned Post
Sponsor Newletter Access	X	<b>✓</b>	<b>~</b>	<b>✓</b>
Complementary Team Memorabilia	×	Stickers & Patches	Plaque	Custom Trophy

# **OUR BUDGET**



UVR is counting on the generous support of
our sponsors to send Anduril-1 to Launch
Canada 2024

The rocket itself comprises nearly half of our annual expenses, including the fabrication and testing of every component.

We also continue to invest in our hybrid engine, Ramses-1, which will eventually propel the team's first hybrid rocket.

EXPENSE	COST
Anduril-1	\$8000
Travel	\$6000
Ramses-1	\$5000
Administrative	\$1700
Competition	\$1100
TOTAL	\$21 800

## **ACKNOWLEDGMENTS**

The UVic Rocketry Team would like to recognize our support network, including all our current sponsors, members of other UVic Clubs, and everyone else who makes what we do possible.

We would like to give a special thank-you to Dr. Levi Smith and Dr. Afzal Suleman for their guidance and support as our faculty advisors.

We would also like to thank Rodney Katz and Ian Fraser for sharing their time and expertise with us as we manufacture and test our systems.





rocketry.engr.uvic.ca



UVic Rocketry Team



