





# ROCKÉTS

Founded in 2012, RockÉTS is a science club at École de Technologie Supérieure (ÉTS) dedicated to the development of high-powered rockets and to the promotion of aerospace science and technology. The team counts about thirty devoted members contributing to the team's wide engineering skillset.

Furthermore, as a tribute to Canada's Inuit communities, RockÉTS has been naming its projects and rockets in Inuktitut for several years.

## **OUR CORE VALUES**

**PROFESSIONALISM** 

**INNOVATION** 

**RESPECT** 

**QUALITY** 

COMMUNICATION

**TEAMWORK** 

## **MISSION**

The club's cornerstones are based on the sharing and cultivation of engineering knowledge. It helps enrich its community in two ways: by offering students the opportunity to gain hands-on experience and assimilate lessons through a variety of unique aerospace-related events and by inspiring new generations to pursue stellar dreams.



## **OUR PROJECTS**

## PANA / < □ HYBRID PROPULSION MOTOR

Always on the lookout for new challenges, and keen to innovate, RockÉTS has initiated its biggest project to date: the development of a hybrid propulsion engine. Such a project requires a major overhaul of several subsystems and significant coordination work to ensure their integration within the rocket. Representing the goddess Pana from Inuit mythology, this project guides the team towards a new era. This year, RockÉTS plans to launch Pana, marking the first lauch of a hybrid rocket within the club.



# **ANIRNIQ** / σ σ ω MODULAR AVIONICS

Anirniq is a modular, compact, and scalable avionics system used by the team since 2019. This system stands out every year as one of the most remarkable technological innovations in IREC. Anirniq, which symbolizes the soul in Inuktitut, occupies a central position within each rocket, enabling the club to achieve its goals.



## SILA / / 'C PAYLOAD

The payload, built in a standard CubeSat format, can be ejected into the upper atmosphere. It has a modular design, enabling it to adapt easily to different missions. To reduce environmental impact, the payload is designed to be reused between flights.



## **OUR COMPETITIONS**



# INTERNATIONAL ROCKET ENGINEERING COMPETITION

IREC takes place every year in Texas. Nearly 2,000 students from more than 150 universities compete in various categories for their chance to win the most prestigious prize.

#### LAUNCH CANADA

With the goal of promoting aerospace innovation in Canada, this competition has offered, since 2022, the opportunity to launch high-power sounding rockets on Canadian soil. During the first edition, RockÉTS launched the first experimental rocket in Canada and set an altitude record. Since then, the club has continued to push the boundaries of innovation.

## AWARDS

#### Launch Canada 2025

1st place, basic category 1st place, Technical Development category Grand Technical Development Trophy

#### Launch Canada 2024

2nd place, basic category 1st place, Technical Development category

## Spaceport America Cup 2023

1st place, 30 000 ft, COTS propulsion

#### Launch Canada 2022

1st place, basic category 1st place, overall

#### **Spaceport America Cup 2022**

3rd place, 30 000 ft, COTS propulsion

AND SO MUCH MORE...

# PARTNERSHIP PROGRAM

Designing and manufacturing rockets requires considerable resources. Therefore, RockÉTS turns to you, our industry partners, to help us achieve our goals and support the training of tomorrow's engineers.

In exchange for your support, RockÉTS guarantees your company unparalleled visibility at our competitions and at over 10 events in which the team participates each year. Below you'll find the additional benefits that each level of sponsorship unlocks\*.

Category	Value	Logo on the website	Thankful Tuesday	Logo on the banner	Logo on the shirt	Logo on the rocket	Logo on the test bench
Supernova	> 10 000 \$	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	100 cm <sup>2</sup>	Big
Supergiant	5 000 \$ - 9 999 \$	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	50 cm <sup>2</sup>	Small
Giant	2 500 \$ - 4 999 \$	<b>✓</b>	<b>✓</b>	<b>~</b>	<b>✓</b>		
Star	1 000 \$ - 2 499 \$	<b>✓</b>	<b>✓</b>	<b>✓</b>			
Nebula	500 \$ - 999 \$	<b>✓</b>	<b>✓</b>				
Stardust	0 \$ - 499 \$	<b>✓</b>					

Special requests: RockÉTS is ready to put your ideas into action. Whether it's a particular project or another way to extend your reach, you can count on us to make it happen. Don't hesitate to contact us to customize your experience and explore the many possibilities.



\*No matter the sum of the donations or of the sponsorships given to RockÉTS, the partners become automatically partners of ÉTS.





## **OUR 2025 PARTNERS**

SUPERNOVA





# onshape Altium Swagelok



Groupe Swagelok Québec

SUPERGIANT





**ASSOCIATION ÉTUDIANTE DE L'ÉTS** 



GIANT









STAR







UNISSON

**NEBULA** 







STARDUST













