University of Waterloo Satellite Team

SPONSORSHIP PACKAGE
2014

WATSAT

University of Waterloo Satellite Team

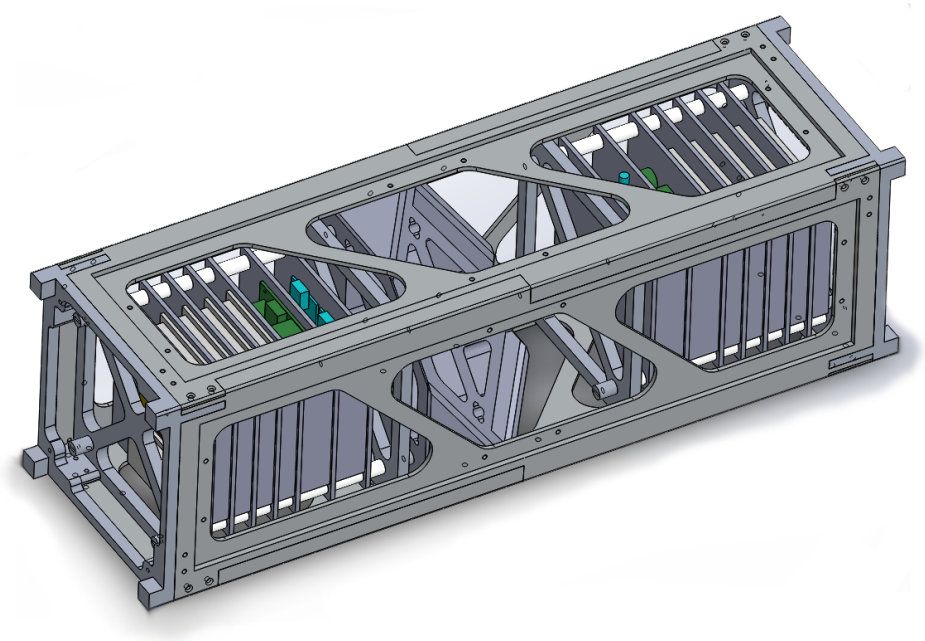
http://watsat.ca
watsat.sponsors@gmail.com

WHO WE ARE

The University of Waterloo Satellite Team (WatSat) is a group of 30 passionate students serious about designing, building, and **sending a satellite into space** on a never-before-completed mission. WatSat consists of students with technical expertise across Systems Design, Mechatronics, Computer Engineering, Mathematics, Computer Science, and beyond.

Every two years WatSat, an affiliate of the Waterloo Space Society, enters the **Canadian Satellite Design Challenge** (CSDC). This year, the purpose of the team is to create a triple cube satellite from off-the-shelf components with the purpose of **monitoring changes in the arctic sea-ice**.

For the current competition, WatSat will be testing the feasibility of **Ionic Liquid Ion Source (ILIS) thrusters**.



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ABOUT THE COMPETITION

The Canadian Satellite Design Challenge is a competition of Canadian universities to build a **triple cube satellite** that will perform a unique scientific mission in orbit. The CSDC is a 2 year competition where the **winning satellite gets launched for free**!

The current competition started in September 2014 and will **conclude in May 2016**. One of the goals of the CSDC is to allow students to gain exposure to satellite design processes — from initial requirement gathering to design iterations to the final testing of the assembled satellite.

November 2014 Project Management Review

February 2015: Preliminary Design Review

September 2015: Critical Design Review

May 2016: Environmental Testing

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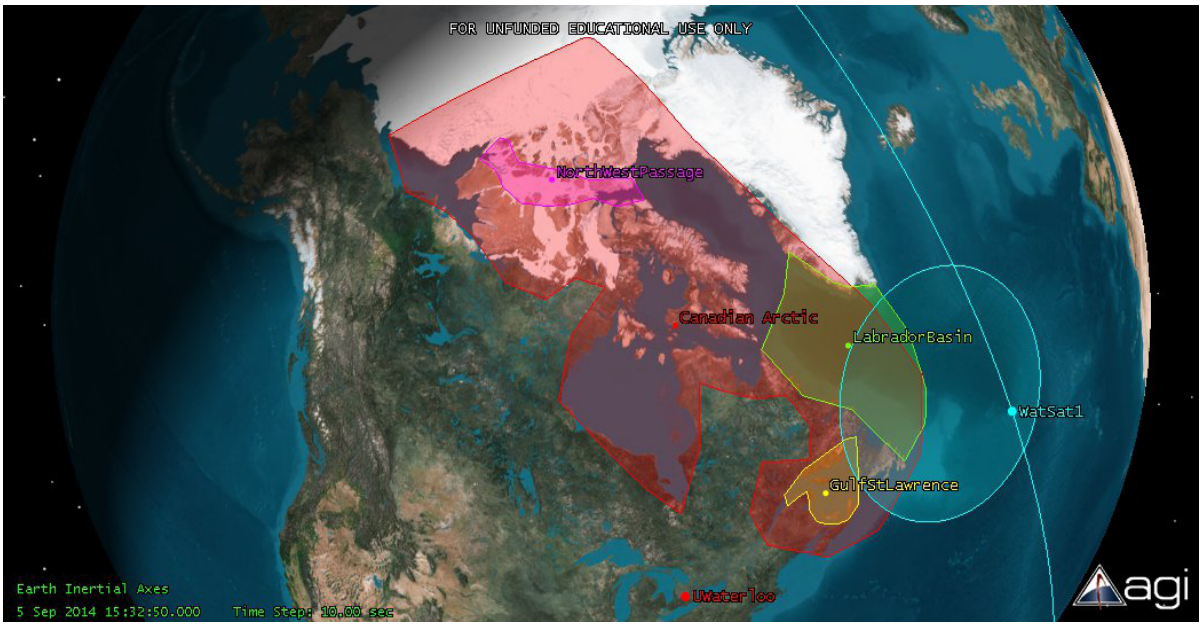
OUR MISSION

WatSat's goal is to build a 10x10x34cm triple-cube satellite that uses GNSS Reflectometry to **map changes in arctic sea-ice** over the course of one year. WatSat hopes to be able to gather data that will assist governments, businesses, and research organizations in tracking sea-ice, **conducting climate change research**, and charting routes through navigable water.

GNSS signals reflect and scatter differently off the various types of surfaces on the earth (e.g. water, ice, ground). By identifying the different surfaces using the correlation power of the clean signal versus the reflected signal, we will be able to measure the extent of change of arctic sea-ice



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WHY SPONSOR US?

The University of Waterloo is well-known across Canada for having the **largest and most student-design oriented engineering programs** in the country. Every year some of the most brilliant students from all over the world come to call Waterloo their home.

Sponsoring WatSat, in addition to the benefits listed on the next page, provides sponsors with an opportunity to **promote their brand** through involvement in an innovative grassroots project while increasing future clientele and forming **meaningful connections** with students who share the vision and passions of your company.

It is thanks to the generosity and support of all our sponsors and that our satellite project continues to succeed. We would like to thank you for considering our proposal.

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SPONSORSHIP LEVELS

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Recogntion and Logo on Website	Large	Large	Medium	Medium	Small
Certificate	X	X	X	X	X
Recognition on T-Shirt	X	X	X	X	
Engraved Plaque	X	X	X		
Distribution of Promotional Materials During Events	X	X	X		
3D Printed Satellite Model	X	X			
Exclusive Naming of Satellite	X				

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CONTACT US

To learn more about sponsoring WatSat, or for details, updates, and questions about our mission, we invite you to contact us at:

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