

dronelab

UAS

December - January - February



2013-2014
News bulletin

Dear partners,

We would like to share with you the club's latest update.

The last three months have been dedicated to the design, fabrication and flight tests of the new V7 prototype. This platform will follow the team during the 6th edition of the Canadian Student Drones Competition that will take place in Southport Manitoba next May.

Conception & Fabrication

By the end of 2013 and the beginning of 2014, the team managed to reach new milestones and surpassed its own expectation. A fast and steady progression in the design and fabrication phases allowed Dronolab to produce two fully operational UAS (Unmanned Aerial System) with three additional spare frames. All of this by respecting the yearly schedule of the project.

February 2014 Flight Tests

For the last two years, Dronolab's team has had flight tests at the end of February. This year, the tests took place in the eastern townships at Lake Selby from the 21st to the 25th of February. The results were excellent and quite impressive. In preparation for the competition, both UAS flew on a scenario similar to the one expected in the competition and both successfully executed their tasks in the required amount of time. More than 2000 aerial pictures of the observed zone have been taken during the flights.

A new achievement for drones in Quebec!

On February 19th, Dronolab received the first Specialized Flights Operations Certificate (SFOC) issued by Transport Canada (Quebec) authorizing simultaneous operations of two UAS. This certificate ensures the team the ability to present to the competition judges a mission scenario involving two prototypes doing cooperative and simultaneous work. To date, no Canadian university has operated two platforms at the same time during this competition.

A video of the team flight operations during the last tests is now available on this web address: <http://dronolab.etsmtl.ca/>,

This video presents the first simultaneous flight of the team!

We thank you again for the support and interest you have in our project

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