

FlyMate™

Advanced Pico & Nano Satellite Deployer

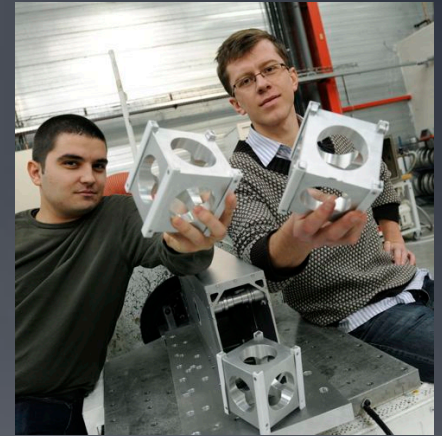


Stanislaw OSTOJA & Spas BALINOV
CalPoly 2011 Spring Workshop

1. Company Profile

NovaNano – a Nanosatellite Start-up

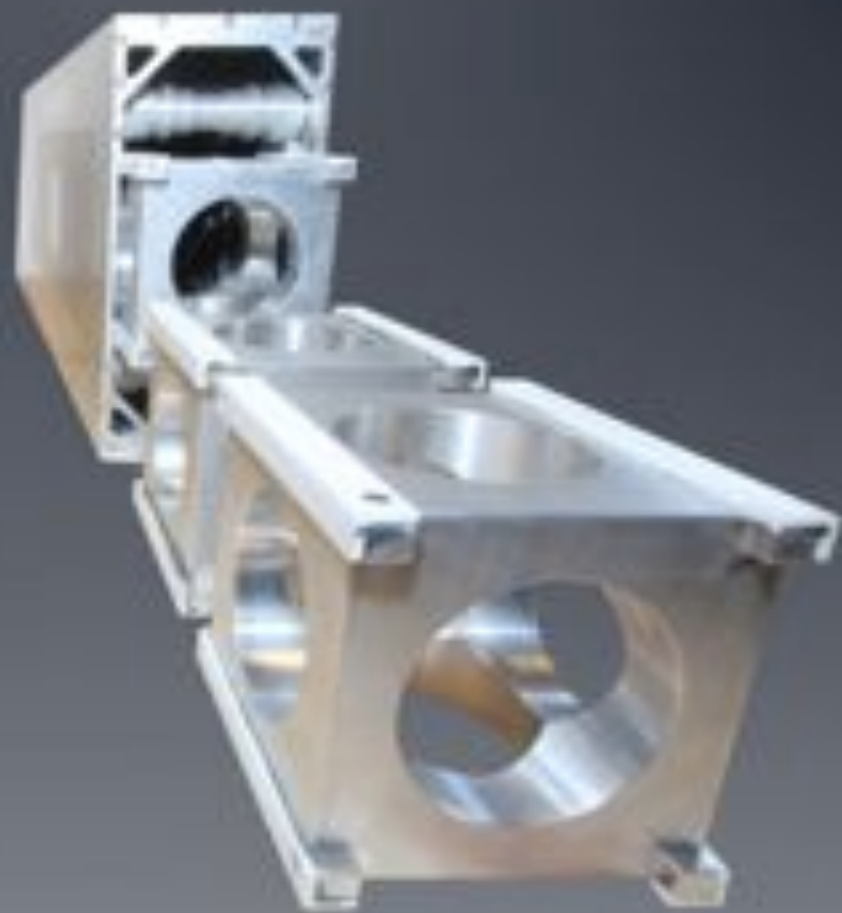
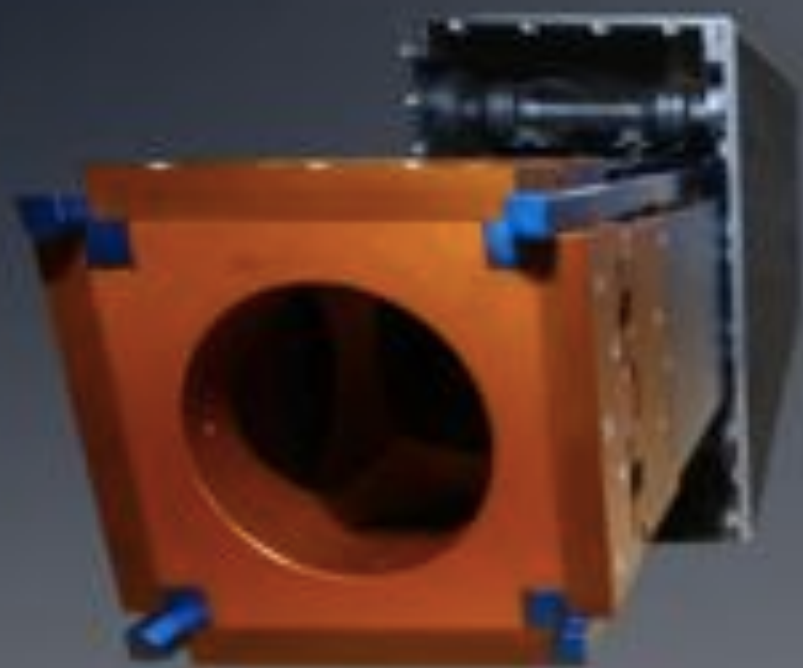
- Based in Lyon (France)
- Founded in 2009 by two INSA Lyon alumni
- Incubated within the Lyon technology incubator, Crealys from 2007 till 2009
- Specialized in nanosatellite and associated technologies



Les fondateurs : Spas Balinov & Stanislaw Ostoja
Credit: AFP

- Laureate of the 2010 National Innovation Awards from the French Ministry of Research
- Supported by Oseo, the French Innovation Agency
- Member of the « Pegase » Aerospace Cluste
- Collaborating with top French research labs

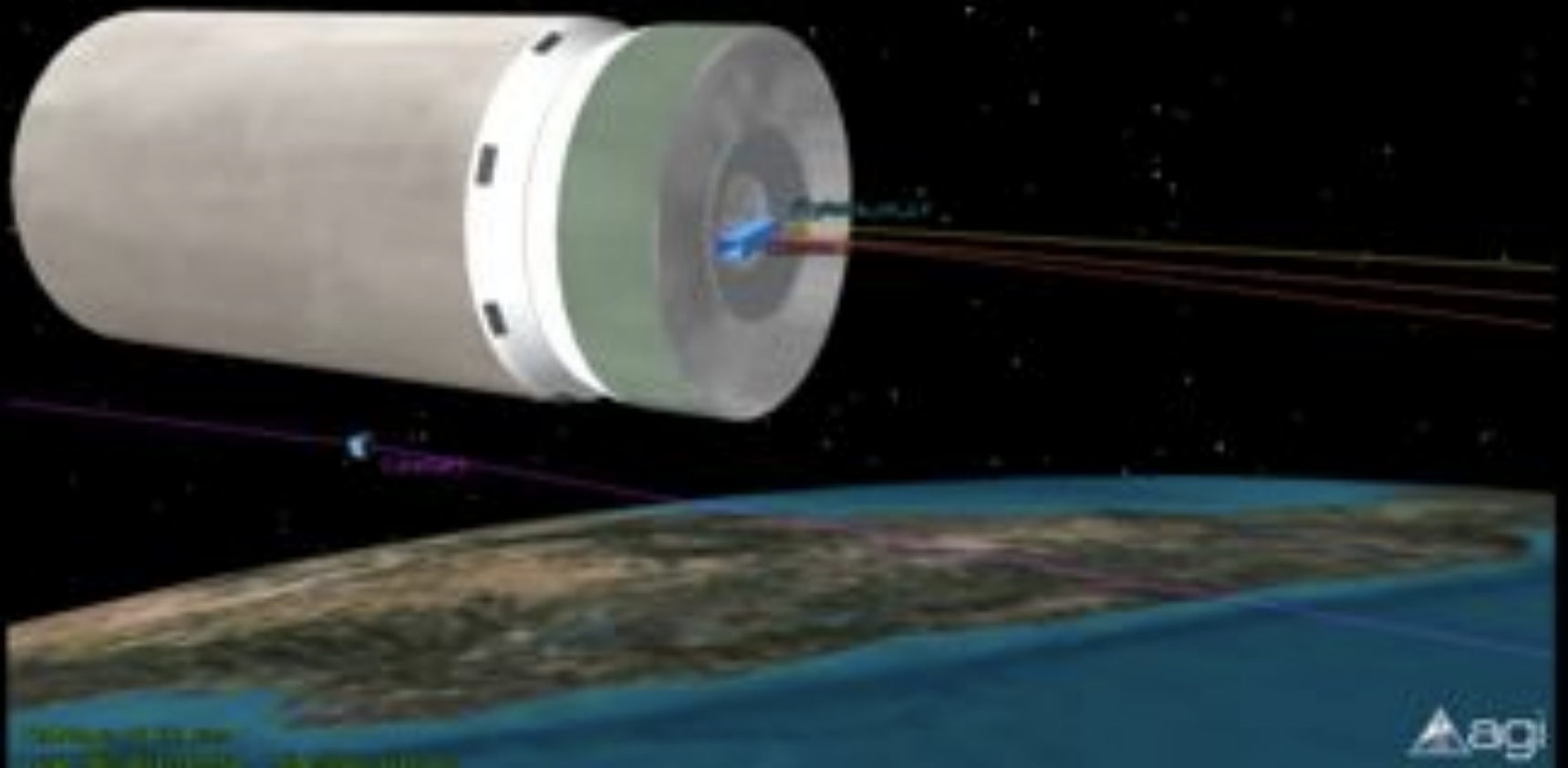




2. FlyMate™ : the Innovation

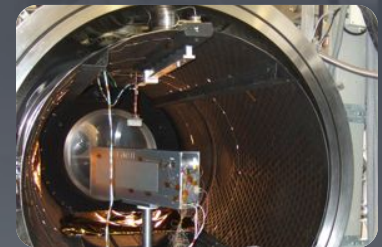
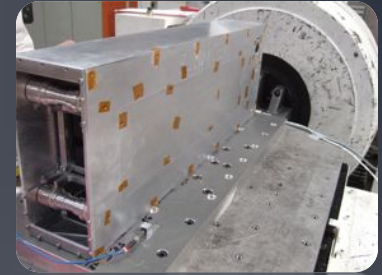
- Controlled Ejection
 - Passengers ejected sequentially
 - Controlled temporization
 - More Space for passengers
- Features
 - Motorized mechanism, no springs
 - Cubesat standard compatible
 - Energy autonomous, Standardized interfaces
 - Adaptable on various LV
 - Applications: Formation flying & constellations
 - Patented





3. FlyMate™ : Industrial Qualification Process

- 1st Phase: Proof of concept tests
- 2nd Phase: Environmental characterization tests
 - Vibrations and shocks
 - Thermal Vacuum: with CNES support
 - Zero G
- 3rd Phase: Reliability and statistics tests
 - More than 1600 functional ejections





Flight 1 - Parabola 3

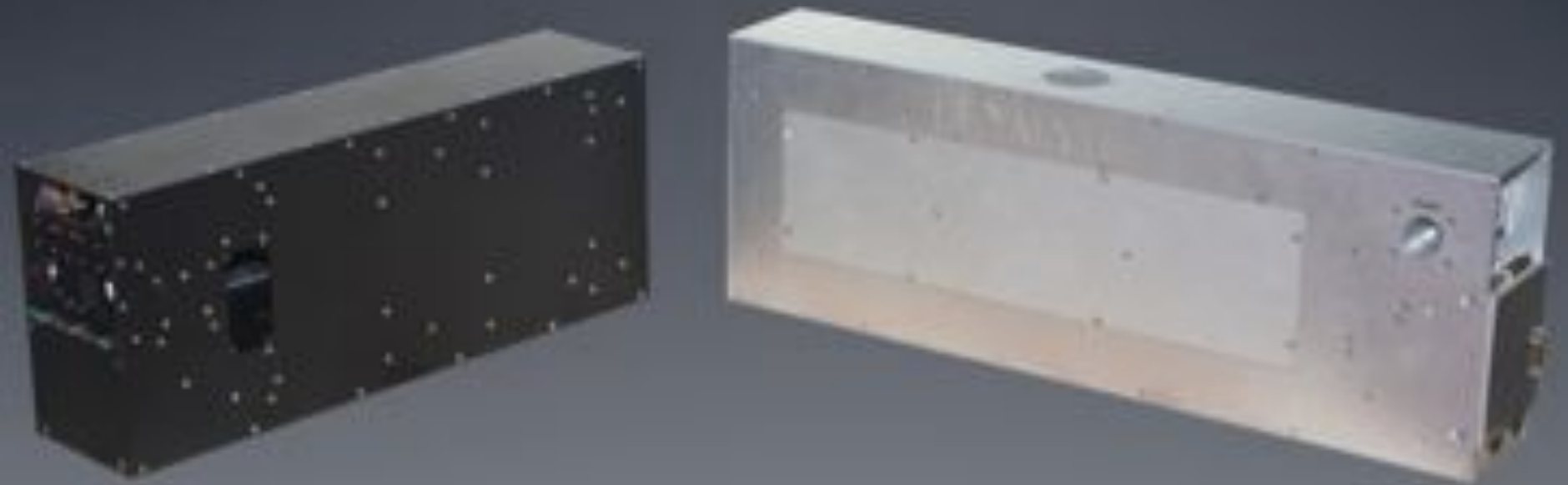
FlyMate™
Custom designed

FlyMate™
standard for:

3x 1U

1x 3U

2x 2U



4. The FlyMate™ Offer

- First delivery carried out in December 2010
- Standard Delivery Service:
 - Compliance testing
 - User Manual & Documentation
 - Export License and shipping
- Optional Services
 - Design customization
 - On site training
- Soon offering Launch Opportunities on:

www.novanano.com



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Visit us at Paris Air Show 2011 in June