Fall 2004 / Spring 2005

Part 2

No. 1





General

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No. 2



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Content



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- **≻**General
- **≻**SpaceShipOne
- **≻Ansari X Prize**
- **≻Follow-up Projects**
- **≻Project STMS II**
- > Requests from Audience for Lectures

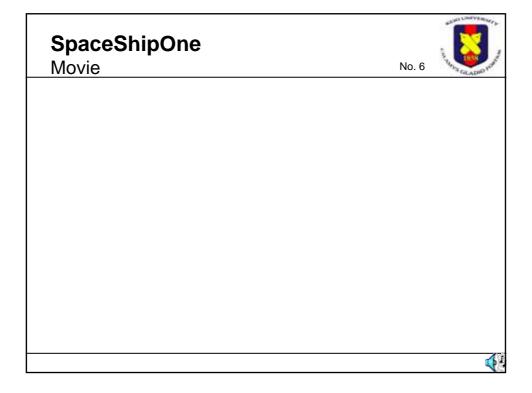
Introduction



Goal Definition of this Lecture

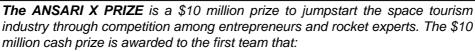
The goal of this lecture is to get insight into the Ansari X
Prize and the follow-up projects such as Virgin Galactic and
America's Space Prize.





Ansari X Prize

Definition No. 7



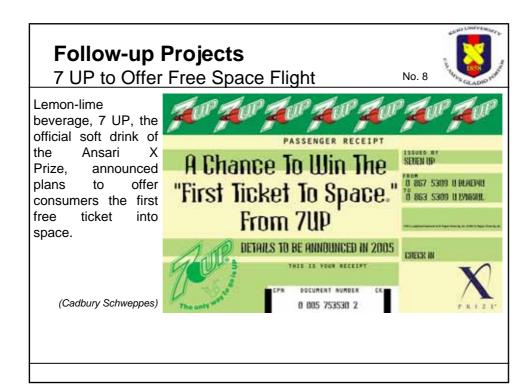
- 1. Privately finances, builds and launches a spaceship, able to carry three people to 100 kilometers
- 2. Returns safely to Earth
- 3. Repeats the launch with the same ship within 2 weeks

Vehicles built for the ANSARI X PRIZE will eventually serve four different industries:

- Space Tourism
- · Low-cost satellite launching
- Same-day package delivery
- Rapid point-to-point passenger travel

SpaceShipOne wins ANSARI X PRIZE on October 4, 2004.







Follow-up Projects



No. 9

Virgin Galactic

The Virgin transport, entertainment and communications group, operated by Richard Branson, has signed an agreement with pioneering aviation designer Burt Rutan to build an aircraft based on Rutan's SpaceShipOne vessel.

The new service will be called Virgin Galactic and expects to fly 3000 new astronauts within five years starting from 2007. Fares will start at around \$200 000 for a suborbital flight, including three days' training.



Follow-up Projects



Virgin Galactic Movie

No. 10

Follow-up Projects

America`s Space Prize

No. 11



Robert Bigelow, chief of Las Vegas-based Bigelow Aerospace, is apparently setting goals for private spaceflight endeavors with America's Space Prize, a \$50 million race to build an orbital vehicle capable of carrying up to seven astronauts to an orbital outpost by the end of the

decade.



(Bigelow Aerospace)

Lecture's Textbook

No. 12

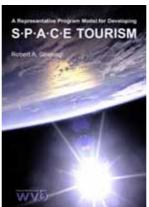


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