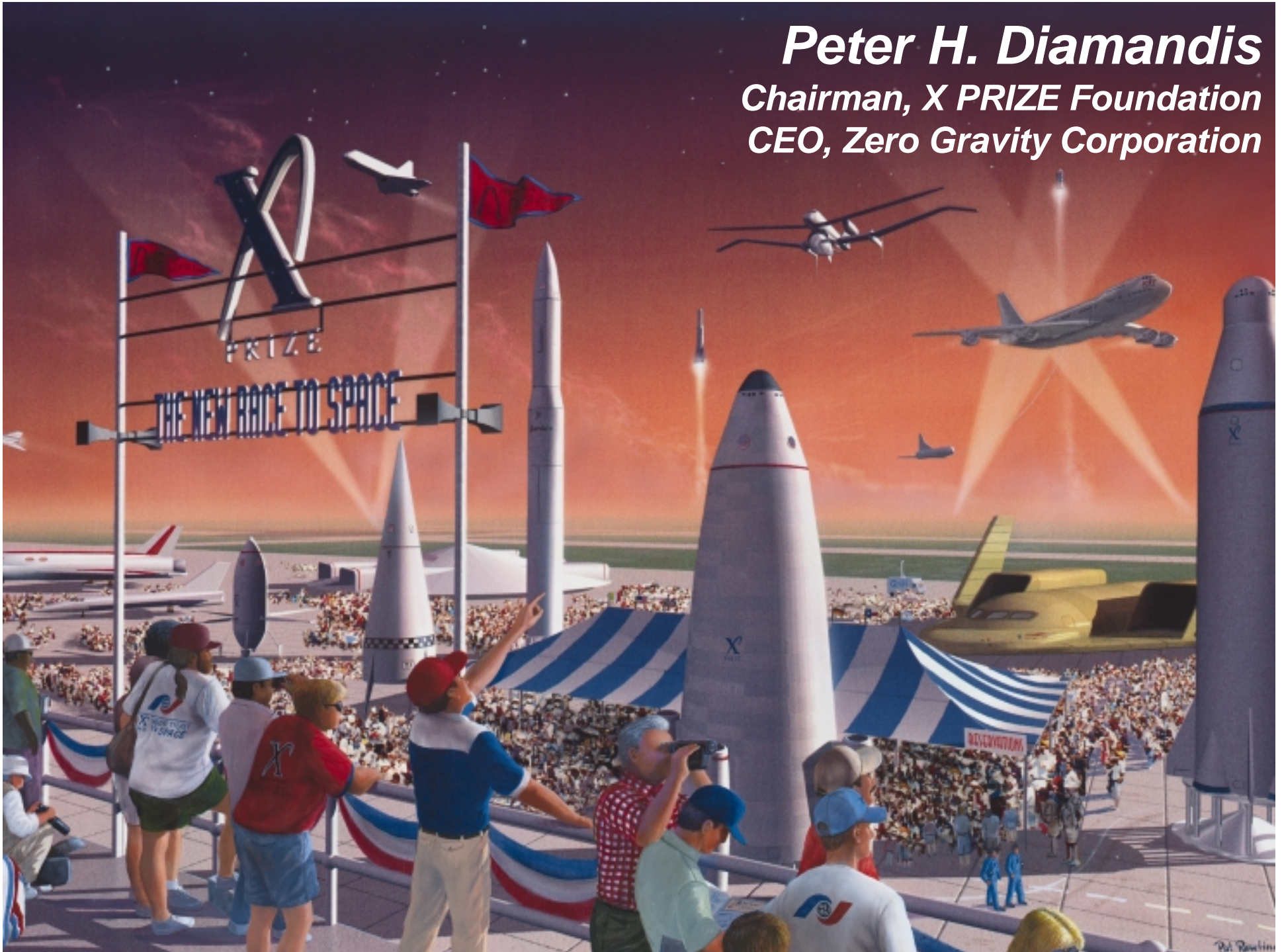


Peter H. Diamandis
Chairman, X PRIZE Foundation
CEO, Zero Gravity Corporation



PUBLIC SPACEFLIGHT MARKET

- More than 60% of the public would like a chance to experience spaceflight.
- *Futron Market Study Results:*

<u>Year</u>	<u>#/year</u>	<u>Ticket</u>	<u>Market Size</u>
2010	1,330	\$100,000	\$133 Million
2020	13,000	\$100,000	\$1.3 Billion

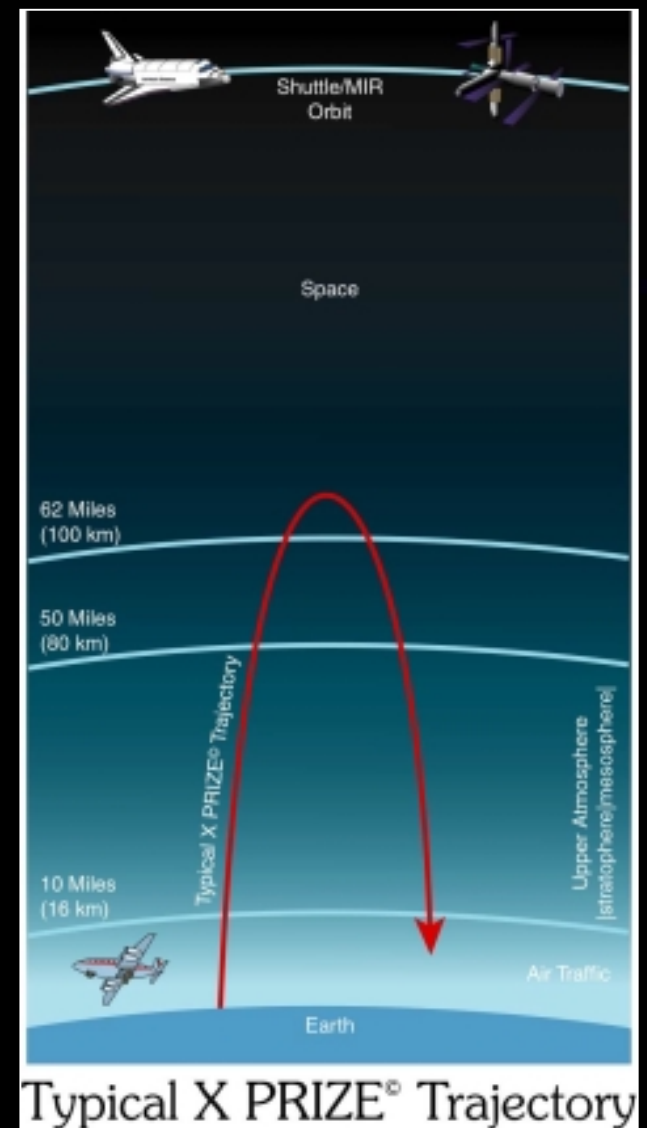
WHAT IS THE X PRIZE?

An international competition that will award a \$10 Million cash prize to the first team to:

- *Privately finance, build & launch a ship*
- *Carry 3 people to 62 miles (100 km)*
- *Two flights within 2 weeks (same ship)*

The X PRIZE is:

- *The Champ Car of space;*
- *Speed, innovation, performance; and,*
- *A high profile, global event.*
- *The Ultimate drama...*



27 TEAMS FROM 7 NATIONS

Scaled Composites/Rutan



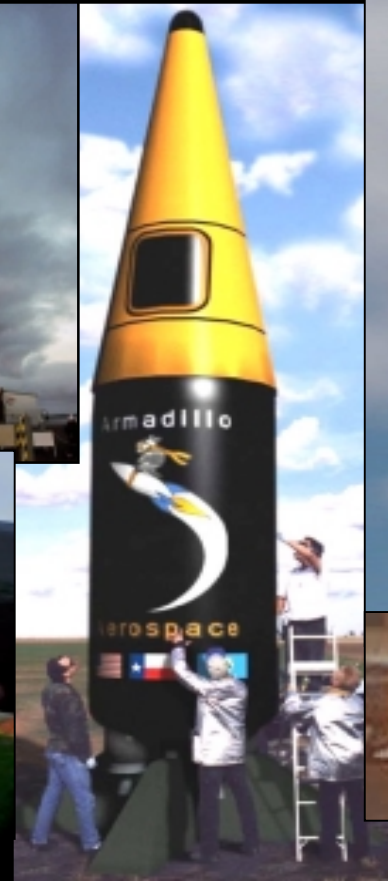
Starchaser/Bennett-UK



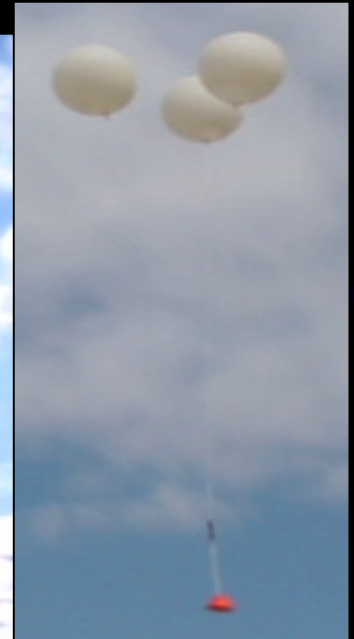
Canadian Arrow



DaVinci Project – Can.



Armadillo Aerospace



DeLeon – Argentina

**Each team is spending \$2M - \$25M to win the X PRIZE.
A winner is expected in the next 4 – 6 months**



CENTENNIAL CHALLENGES

NASA Centennial Challenges -- \$25 million/yr to start.

Recommendation to Commission:

- (1) Increase budget for NASA Prizes to \$400 million**
- (2) Use prizes to achieve Presidential Moon/Mars objectives.**

SPACE ENTREPRENEURS

X PRIZE Teams (US):

- *Advent Launch Services*
- *American Astronautics*
- *Armadillo*
- *FunTech*
- *HARC*
- *Interorbital Systems*
- *Kelly Space & Technology*
- *RocketPlane Ltd*
- *Scaled Composites*
- *TGV*
- *Traux Engineering*

Zero Gravity Corp.

Space Adventures

SpaceX

XCOR

LAUNCH MARKETS

- Historic Annual Commercial Satellite Launch rate = **15 – 25 launches per year.**
- Commercial Launch Market over next decade = **15 – 25 launches per year.**
- Number of commercial ELV companies = **15**

- # of human payloads desiring launch per year = **5,000 – 15,000 per year**
- Commercial *Tourism* Launch Rate projection = **500 – 3,000 launches per year.**



SUBORBITAL FLIGHT

Benefits of Suborbital Flights:

- Creation of a profitable industry
- Public enthusiasm and support of space
- Learning about high-rate operations of rocket vehicles

Recommendation: Support the creation of public spaceflight in order to enable a high flight-rate and teach us about low-cost, safe and frequent operations of rocket powered vehicles



RISK

We must acknowledge and take risk:

- America was founded by risk takers
- Opening space is risky business
- Breakthroughs require taking risk and allowing for failure.

Recommendation: Help the American people understand that space exploration is risky and a risk worth taking. Let's make space explorers heroes once again.

THANK YOU

***“The best way to predict the future
is to create it yourself.”***

Dr. Peter H. Diamandis

Chairman/CEO

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