The New Race to the Moon

Dr. Robert (Bob) Richards, Founder & CEO



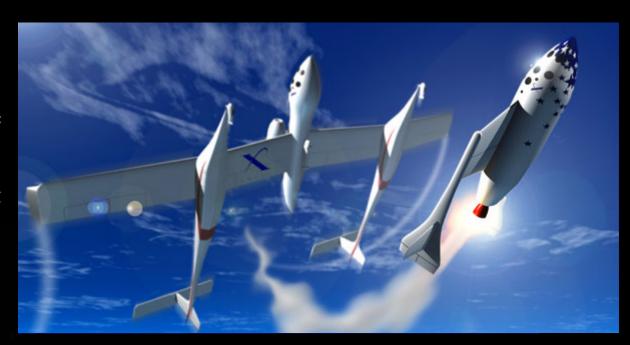




Ansari X PRIZE - 2004



The winning of the \$10M Ansari X PRIZE by SpaceShipOne changed the public mindset toward space and inspired the Personal Spaceflight Revolution.







Ansari X PRIZE - 2004



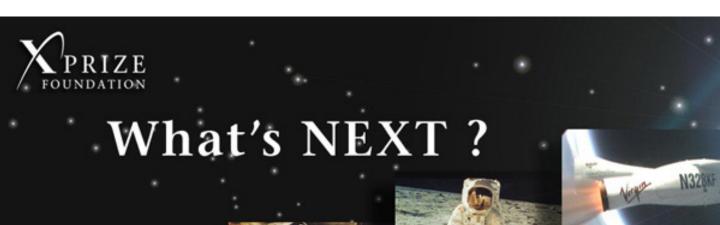
It was the second biggest news story of 2004 and the most successful AOL webcast ever.













"1927 - First Non-Stop Transatlantic Flight Orteig Prize"



"1961 - First Man In Space"



"1969 - First Man On The Moon"



"2004 - First Manned Private Spaceflight Ansari X PRIZE"



Coogle PRIZE

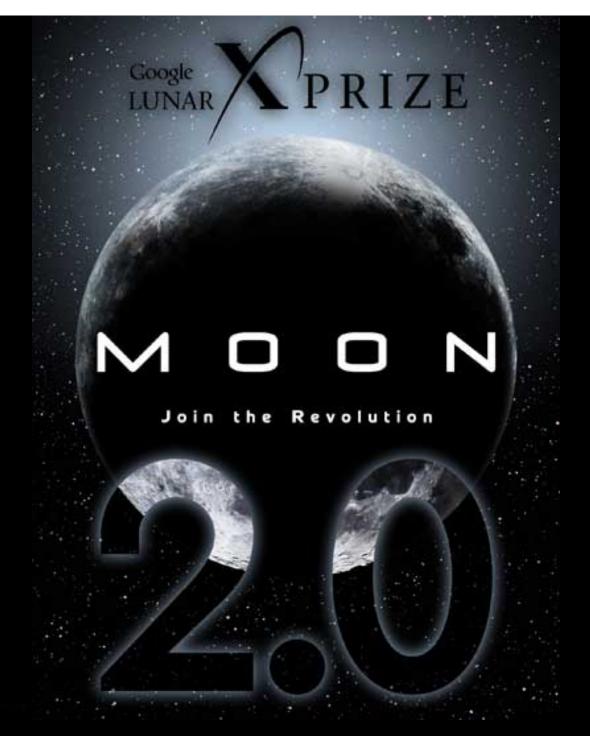






"MOON 2.0" represents the second era of lunar exploration.

Inspiring innovative business models for lunar enterprise



Odyssey Moon Enters the Race December 6th, 2007



Odyssey Moon was unveiled on Dec 6th, 2007 as the first official team of the \$30M Google Lunar X PRIZE













Odyssey Moon Limited



- Over two years in the making
- Long term view to lunar commerce
- Google Lunar X PRIZE a catalyst
- Based in Isle of Man
 - Favourable finance & tax regime
 - Innovative space legislation
 - Not subject to US ITAR





Short Term Goals



- Become the first private enterprise to reach the surface of the Moon
- Be the first to market ongoing lunar mission products and services
- Create a growing and profitable commercial space business that delivers substantial returns on investment to the company's stakeholders over time
- Win the \$30M Google Lunar X PRIZE competition.





OML Founding Directors









- Dr. Robert (Bob) Richards, CEO
 - Co-Founder, ISU
- Dr. Ramin Khadem, Chairman
 - Former CFO, Inmarsat
- Mr. Christopher Stott
 - CEO, ManSat Ltd.
- Mr. Michael Potter
 - Managing Partner, Paradigm Ventures





Prime Contractor: MDA





Dr. Christian
Sallaberger
Vice President with
MDA's Information
Systems Group

- Canada's largest space company
- Represented on the OM Board
- An experienced company with substantial space heritage in providing robotics on the Space Shuttle and International Space Station, and more recently for satellite servicing and planetary exploration







Mr. Jay Honeycutt President, OMV US Operations





Mr. Jay Honeycutt President, Odyssey Moon Ventures LLC

- President of Odyssey Moon Ventures LLC, responsible for all Odyssey Moon U.S. programs and commercial launch operations
- President of Lockheed Martin Space Operations (1997-2004)
- Director of the NASA Kennedy Space Center (1995-1997)
- Director of Shuttle Management and Operations (1989-1995)





Dr. Alan Stern Science Mission Director





- Planetary scientist and former NASA astronaut candidate
- NASA's Associate Administrator for Space Science in 2007 and 2008, directing a \$4.4B organization with 93 separate flight missions and a program of over 3,000 research grants
- Named to Time 100 Most Influential People in the World (2007)

Dr. Alan Stern
Odyssey Moon
Science Mission
Director





Dr. Paul Spudis Chief Scientist





Dr. Paul Spudis Odyssey Moon Chief Scientist

- Deputy science team leader for the highly successful Clementine lunar mission
- Principal Investigator of the Mini-SAR imaging radar experiment on the forthcoming Chandrayaan-1 mission to the Moon
- Member of US Presidential Commission on the Implementation of United States Space Exploration Policy





Board of Advisors



- Dr. James D. Burke (JPL retired) NASA Lunar Ranger Project Manager
- Dr. Wendell W. Mendell Planetary Scientist
- Dr. Louis Friedman Founder and Executive Director, The Planetary Society
- Mr. Arthur M. ("Art") Dula space lawyer; patent attorney; founding director of Excalibur Almaz Limited
- Dr. J. Buckner Hightower founding director, Excalibur Almaz Limited; Trustee, Heinlein Prize Trust
- Dr. Bob McDonald Science Journalist and Author; Host of CBC's "Quirks & Quarks" Radio Show
- Mr. Jon Lomberg Artist; Chief Artist, COSMOS Television Series
- Mr. Charles M. Chafer CEO, Space Services Inc.
- Dr. David Miller Professor, University of Oklahoma
- **Dr. Jean-Luc Jossett** Director, Space Exploration Institute
- Col. M.V. "Coyote" Smith Former Chief, Future Concepts (Dream Works), US Pentagon





Why Explore Space?



- Satisfy basic human instincts for exploration and knowledge
- Continue over 150,000 years of exploration's benefits
- Perpetuate exploration and settlement of new territories
- Expand Earth's economic sphere
- Create a multi-planet species





The NewSpace Paradigm



Adding the power of private enterprise with innovative commercial business models

- **Explore** space to broaden our knowledge and imagination base;
- Prosper by using the unlimited energy and materials of space to increase our wealth;
- **Secure** the world by using the assets of space to protect the planet and ourselves.







 We live in a unique two world environment - the Earth-Moon System.

The Moon is a stepping stone to the rest of the Solar System and a source of solutions to some of the most pressing environmental problems that we face on the Earth.







• The Moon is like an 8th continent, rich in resources, floating just offshore.

 The Earth and Moon are like two islands floating together in the ocean of space







There is stuff there we can use.

The Moon's regolith is more than 40% oxygen by weight. Oxygen is the main component of rocket propellant. Much of the rest of lunar soil is silicon (useful for making solar cells) and metals like aluminum and iron.







 The Moon is the closest source of materials for doing anything in space.

> It is 22 times easier to launch materials into space from the Moon than from the Earth.







- We Can Create New Safe, Clean Energy for Planet Earth
 - Clean solar energy can be sent from space to the earth with solar collectors in high Earth orbit made from lunar materials.
 - A single solar power satellite could power a major Earth city without CO2 or other pollution.







It's only 3 days away

 The Moon's close proximity to the Earth makes it a great place for humans to learn to live and work in space while still having frequent rescue and return opportunities.







We Can Back-up the Biosphere

 The Moon provides an ideal place to backup the biosphere and the accumulated knowledge of mankind.







 We Can embrace the Moon into Earths' economic and social spheres

 By expanding the solution set to include resources outside the Earth's biosphere we can solve seemingly intractable problems of energy and the environment and enable the remediation of the Earth.





Commercial Customers





 Two commercial customers were first to sign up for the inaugural "MoonOne" (M-1) mission:

International Lunar Observatory dual function demonstration instrument



 Commercial lunar transportation agreement with Space Services Inc.





Worldwide Media Attention







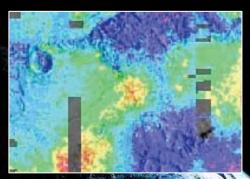




"MoonOne": Mission Profile







- M-1 will deliver a payload suite of approximately 50kg to the Moon.
- Equatorial landing site in vicinity of scientifically interesting and potentially resource-rich dark mantle material
- Launch by July 2011





M-1: Leading Edge Science





- Primitive, unmodified magmas from the deep mantle – clues to origin?
- Source regions contain volatiles
- Eruption mechanisms, dynamics source of deep-seated rock fragments?





M-1: Prospecting for Resources





- Uniform, fine-grained deposits easy feedstock for resource processing
- Solar wind gas content may be enhanced in pyroclastics; if so, a potential "ore" deposit for H2 recovery
- Solar ³He may ultimately be used as fusion energy source





M-2: South Pole Mission











 Establishing permanent astrophysical observations and lunar commercial communications systems on the Moon

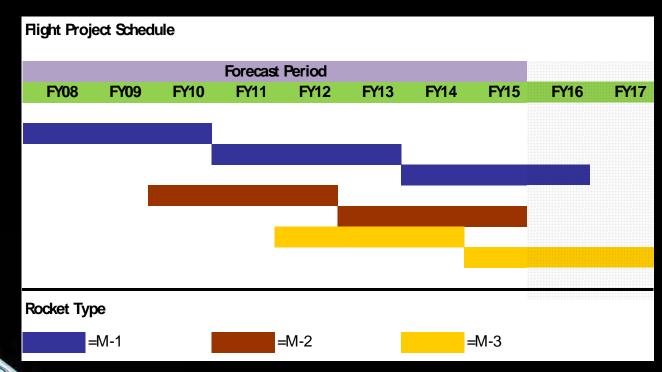




Flight Schedule



The lander flight schedule for the forecast period FY08-FY15 is illustrated in the chart. In each case the lander system has a development period of c. 3 years from initial mission scoping to rocket launch.







Financial Overview



- Design work began Fall 2007
- Seed capital financing complete
- Private Equity financing raise is underway in coordination with London and Isle of Man based financial and legal advisors





M-1: A Space Odyssey













