



A Public-Private Partnership

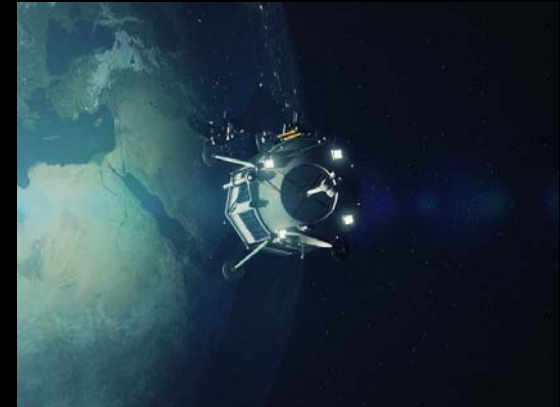
Moon 2020-2030

ESTEC

16th December 2015

Outline

- International robotic mission - Moon's south pole
- Drilling deep for science
- Investigating a future manned base
- Aligned to Global Exploration Roadmap
- Billion year archive of Life on Earth
- New PPP model
 - public authority, private management
 - non-profit ownership & objectives
- Global mass participation, education & funding
 - 2014 \$1m initial crowdfunding

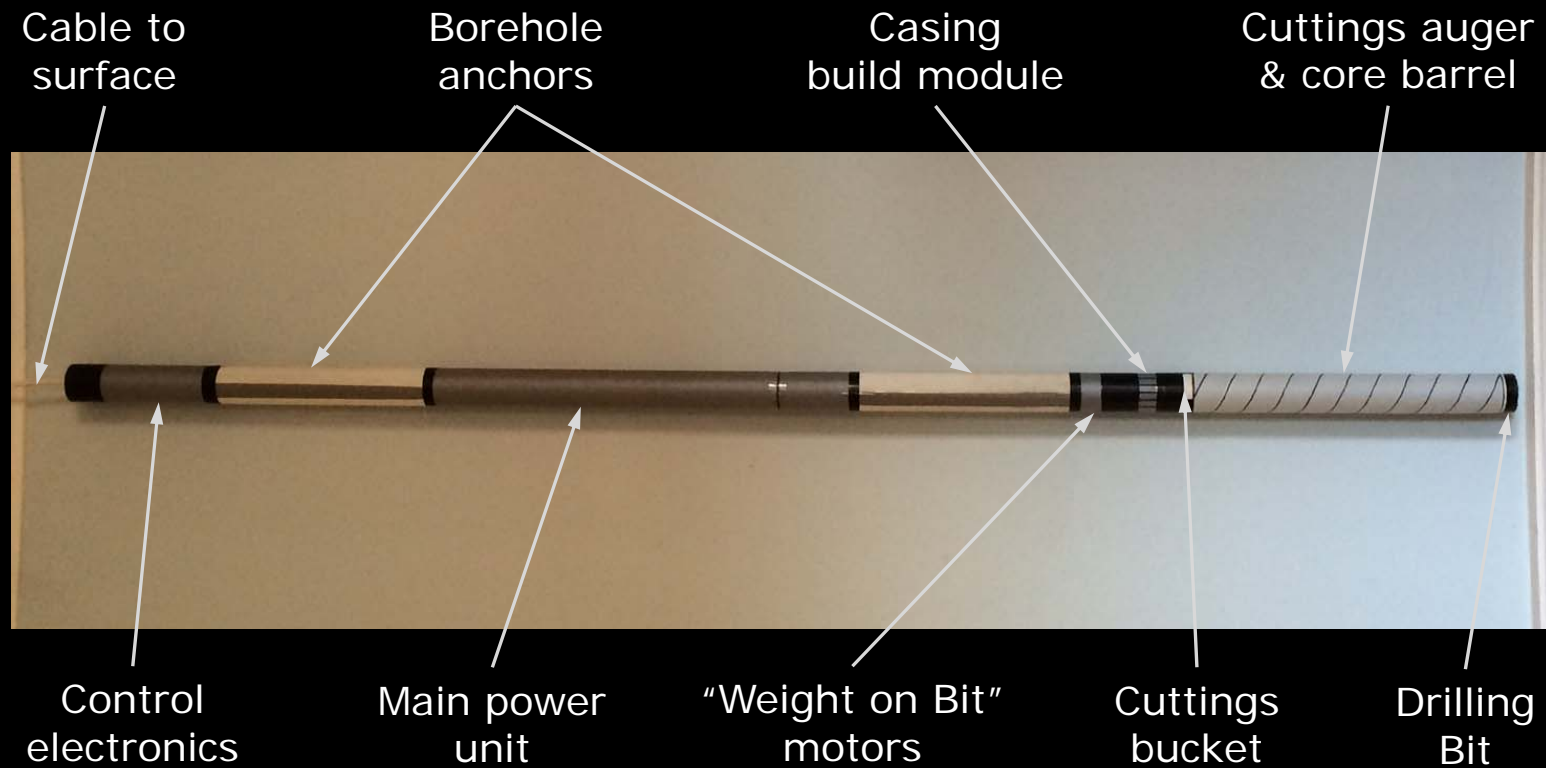


Technology

- Deep drilling using pioneering wire-line technology
- Remote control robotics
- Precision landing
- Commercial consortium
 - Programme management
 - Technology development
 - Space operations
- Spin-out opportunities
 - Safer drilling on earth
 - Enables new search for basic life on other moons & planets

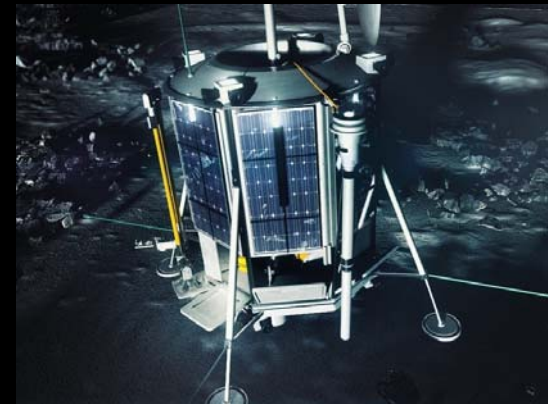


Wire-line Drill



Science

- Lunar geology, 20-100 meters deep
 - Insights into the history of the solar system
- Surface conditions
 - Permanent manned science base
 - Opportunities & hazards
- Astronomy
 - Potential for LF radio astronomy
- Onboard science instruments
- Prospective sample return mission



Public and Private Archives

- Extensive informational record of Life on Earth
 - Human history and civilisation
 - Database of biosphere/environment
- Private information and DNA/hair
 - Basis for project funding
- Billion year survival
 - Exceptional preservation conditions
- “Big Picture” considerations
 - Preservation, Discovery, Recovery
- Underpins global education programme



Status

- Formation of mission procurement team (SSTL, drilling)
 - Industry RFI, ESA CFI
- Formation of Science Working Groups (UCL, scientists)
 - Lunar Science, Site Selection, Instruments, Robotics, Archive
- Early marketing campaign (digi.me, Astrobotic/GLXP)
- Collaboration platform
 - Space Catapult
- Educational interests
 - Pilot schools, professional institutions
- Local volunteer Chapters
 - Gulf, France, US, UK, India, Pakistan



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