Boeing & Lunar Rover Initiative

Possible participation:

- Access to expertise and technology
- LRI high performance technology verification by R&D
- Boeing as partner:
  - DD&T: How do we build this
  - Multi-national quick hit with Japan: Prototype venture
  - Planetary exploration archetype for 2000 - 2010
- Boeing as customer:
  - LRI as technology evaluator
  - LRI as pre-cursor to Johnson initiative

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Immediate Technical Issues & Risks

- Verify safeguarding sensing technology
- Verify thermal emissivity numbers
- Test Rad-hard color camera in Lunar environment
- Validate comm system: phased array, license, thermal
- Probe battery survival for low temperature, -70C
- Lock down RHU legal and procurement issues
- Design RHU system: Inside or outside
- Choose Solar Deployment: Is it necessary?, how?
- Computing: Verification of design feasibility
- Design Solar Array: actuation, effeciency, directionality
- Test drive in lunar environment for long operation