

The Space Congress® Proceedings

2004 (41st) Space Congress Proceedings

Apr 28th, 8:00 AM

Panel Session IV - Exploration Transportation Systems

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Kahn, Mike, "Panel Session IV - Exploration Transportation Systems" (2004). *The Space Congress® Proceedings*. 16.

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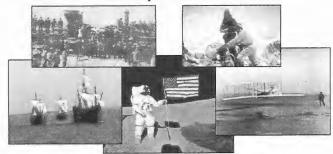






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Exploration



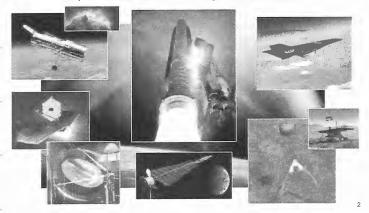
"The sense of exploration is intimately bound up with human resolve, and for a nation to believe that it is still committed to forward motion is to ensure its continuance."

James A. Michener

ATK

The Spirit of Exploration

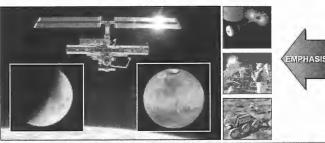
Space Initiatives Fuel Technological Advancement





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Achieving Our Exploration Vision



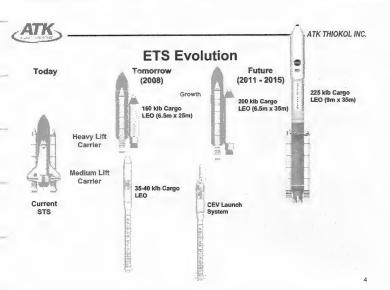




- People Safety
 - Facilities Cost
 - Hardware Schedule









ETS Derived From STS Benefits

Safety

- Human-rated systems
- · Maximizes use of demonstrated and mature systems
- Maintains focus for STS

Schedule

- Existing infrastructure, workforce, and assets enable earlier start with higher confidence
- Nearly everything currently in production
- · Allows demonstration/flight capability with STS

Cost

- Low ETS added cost with ongoing STS
- Leverage SLEP safety investments to ETS application
- Mature/well understood infrastructure

Growth

- Increased performance through 5th segment, longer ET
- Multiple missions/common hardware
- Large body of knowledge and experience for future spiral development needs



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