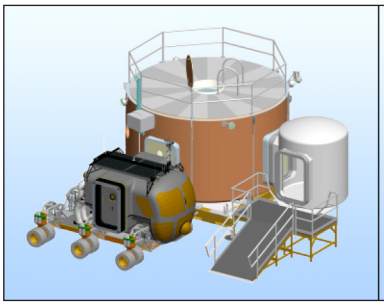
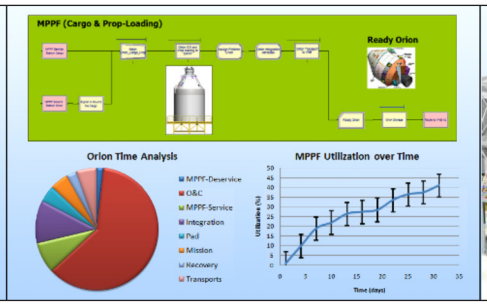
National Aeronautics and Space Administration

Life Cycle Optimization for Products, Projects, and Programs

NASA KSC is seeking partners in technology development projects and technology commercialization in the field of life cycle optimization for products, projects, and programs.





partnerships

Objective: Enhance overall performance, safety and affordability across the complete project or product life cycle through modeling, simulation, analysis, and technical research.

Technology Areas:

- Data visualization and accessibility
- System process analysis using modeling and simulation
- Supply chain management
- Software integration
- Analog testing
- Data, information, and engineering standards
- Situational awareness
- Advanced interfaces
- Integrated systems health management
- Health diagnostics
- Self-reconfiguration
- Self-healing systems
- System/program-level simulation analysis
- Distributed simulation
- Human-computer interfaces
- Concept simulation and analysis

Technology Capabilities:

- Instrumentation Systems Development Laboratory
- Electronic Development and Test Laboratory
- Earth Systems Modeling and Data Management Laboratory
- Design Visualization Laboratory
- Concurrent design systems, processes, and technologies
- Transdisciplinary processes and tools
- Simulation-based concept maturation
- Capability transfer (tools, methods, knowledge, infrastructure)
- Research and development of modeling and simulation capabilities and methodologies
- Data analysis
- Discrete event simulation
- Systems/architecture life cycle cost modeling and analysis

Please contact us if you are interested in collaborating with KSC on joint development projects.

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