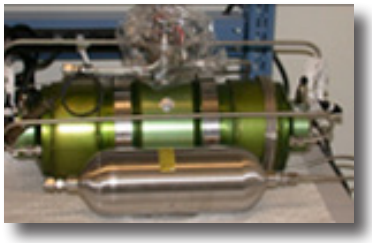
National Aeronautics and Space Administration

Storage, Distribution, and Conservation of Fluids

NASA KSC is seeking partners in joint technology development projects and technology commercialization in the field of storage, distribution, and conservation of fluids.



partnerships

Objective: Safe and efficient systems for propellants, gases, coolants, and cyrogens on Earth and in space.

Technology Areas:

- High-efficiency cryogenic storage and transfer
- Helium conservation
- Safe storage, transfer, and disposal of toxic and storable fluids
- Fluid components and subsystems
- Cryogenic pumping systems
- Advanced instrumentation
- Autonomous control of hazardous servicing
- Human protection systems
- Responsive production and delivery of fluids
- Thermal-fluid analysis tools
- Reduced-gravity thermo/fluid behavior
- Multifunctional materials development and characterization in extreme environments

Technology Capabilities:

- Cryogenics Test Laboratory
- Thermal Protection System Facility (TPSF)
- Thermal analysis and modeling
- Energy efficiency and thermal insulation system testing
- Prototype Development Laboratory
- Launch Equipment Test Facility
- Operation of large hydrogen systems

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

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