

Spaceflight Safety™

Special Aerospace Services (SAS), a leader in aerospace systems engineering solutions, is pleased to provide the Commercial Space Flight community, FAA, NASA, other governmental organizations, and the established Launch Service Community with **Spaceflight Safety™**.

Spaceflight Safety™ Services:

- System Design Assurance
- Model Based System Safety Engineering
- Risk Management Solutions
- Safety Culture Evaluation
- Human Rating Requirements Management and Implementation
- Government Safety Process Advice and Navigation
- Safety Advisory Services

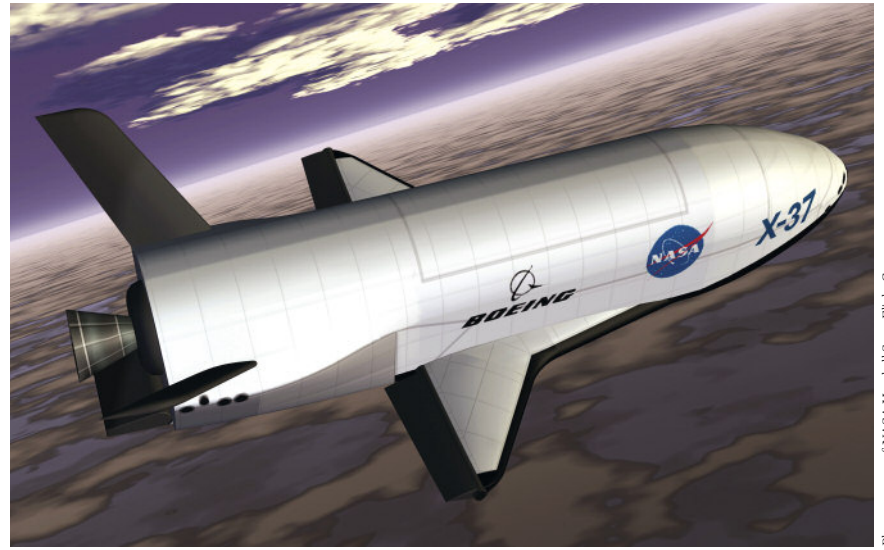


Photo courtesy of NASA Marshall Space Flight Center

“Not so long ago, when I was a student in college, just flying an airplane seemed a dream.”

— Charles A. Lindbergh, beginning his autobiography “The Spirit of St. Louis,” 1953



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Spaceflight Safety™ Developing Products:

- System Safety Engineering Database
- NASA Launch Certification Report Database
- FAA Safety and Hazard Reporting Solution
- Mission Assurance software solutions utilizing:
 - Fishbone Analysis
 - Fault Tree
 - Failure Modes and Effects Analysis
 - Qualitative/Quantitative Risk Management

SAS understands that safe systems start with effective systems engineering.

SPECIAL AEROSPACE SERVICES

Providing Innovative Aerospace Services and Solutions for the Next Generation



Spaceflight Safety™ for Commercial and Personal Spaceflight

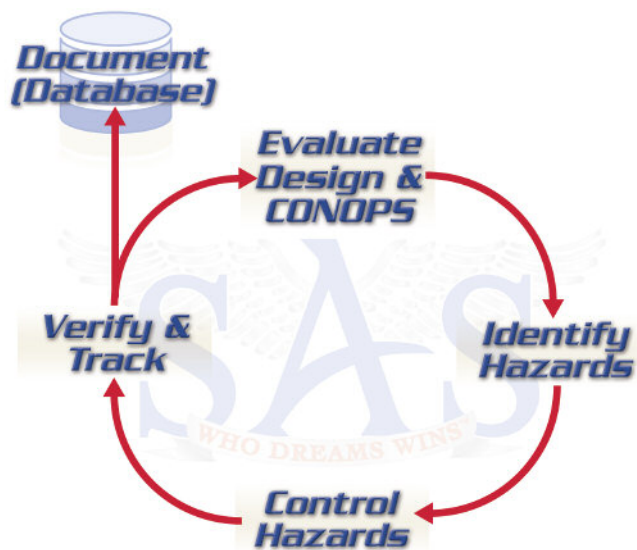
- Provide service and data products to help navigate FAA Regulatory Environment, as well as to provide products that meet FAA Regulations.
- **SAS** has experienced FAA team members
- **SAS** possesses safety experience from commercial space and NASA human spaceflight

Spaceflight Safety™ for NASA

- Provide service and data products to satisfy NASA 8705.2b Human Rating Guidelines
- Provide design for minimum risk evaluations and system design assurance
- Provide service and products to navigate NASA safety process



Photo courtesy of Orbital Sciences Corporation



Utilize **Spaceflight Safety™** data products to track and mitigate risk.

- **SAS** develops guidelines for NASA Assurance community
- **SAS** develops requirement solutions, validation and verification analysis to meet NASA's Human Rating requirements



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"It is difficult to say what is impossible, for the dream of yesterday is the hope of today and reality of tomorrow."

— Robert Goddard