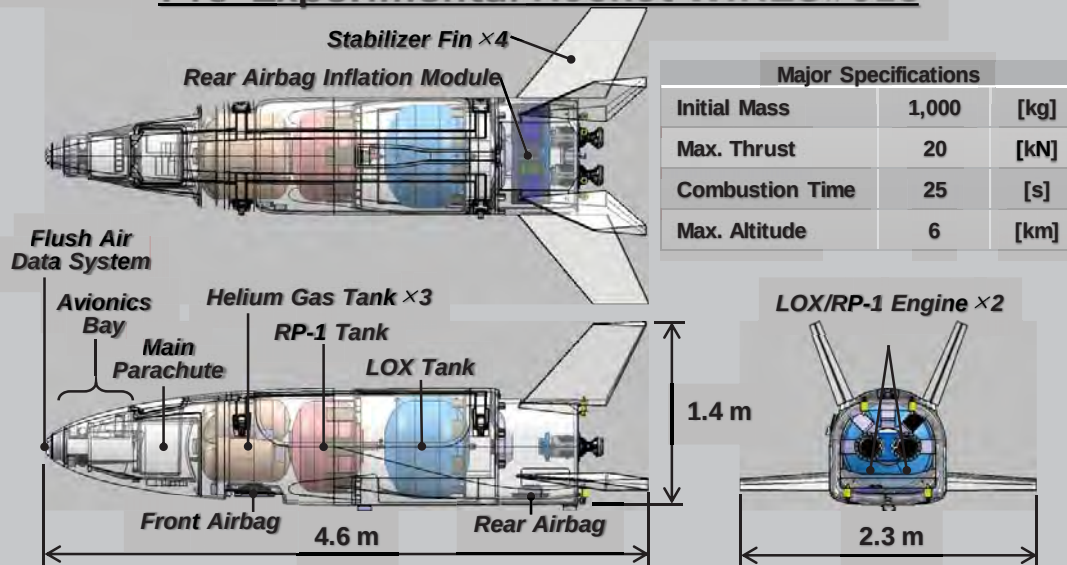


3. 飛行実証実験

3. 1 目的

Pre-Experimental Rocket WIRES#013

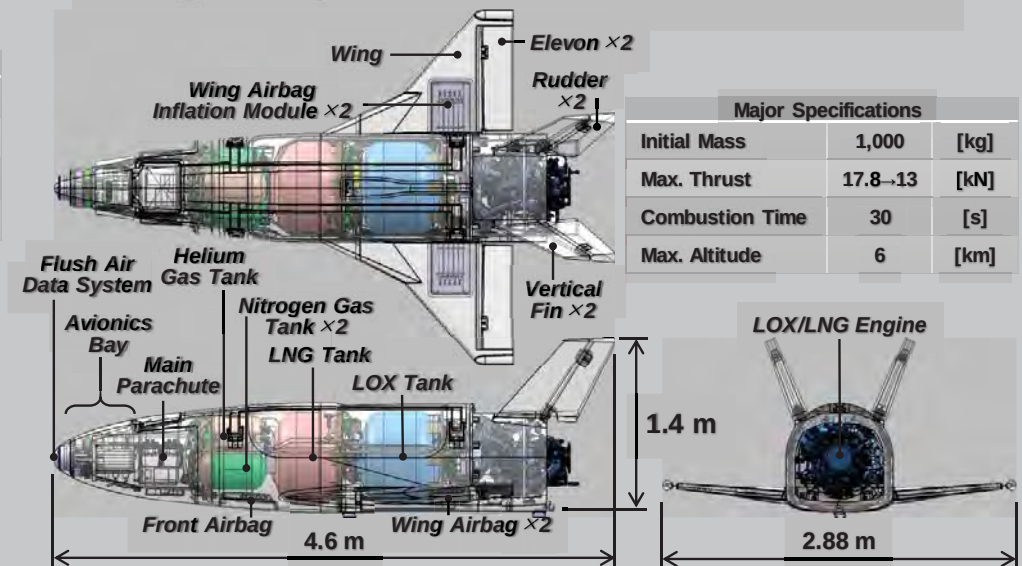


Demonstraion Technologies

- RP-1/LOX Engine
- Composite Structure
- 2-stage Parachute Recovery System
- Flush Air Data Sensing System
- RCS Attitude Control System
- Communication (Telemetry, Emergency Links)
- Ground Support Systems



Winged Experimental Rocket WIRES#015

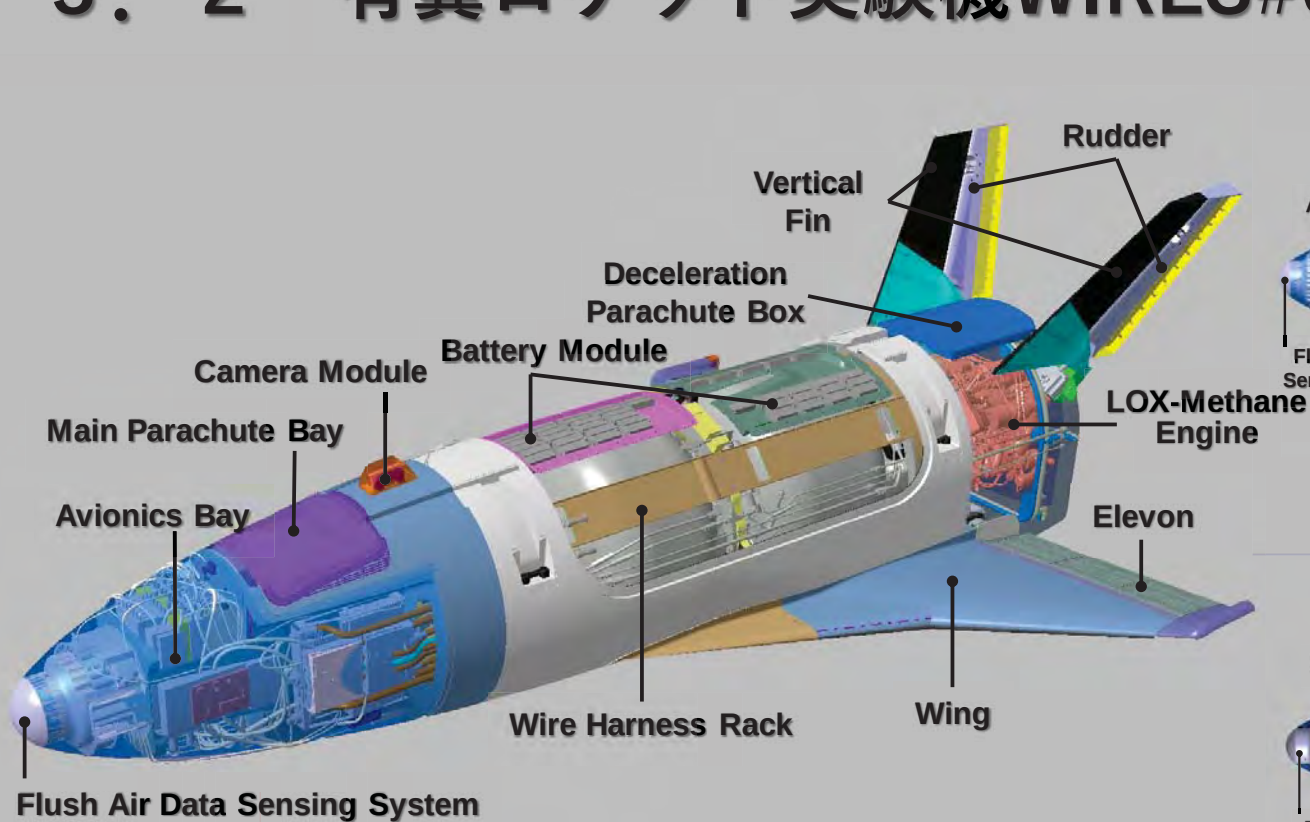


Demonstraion Technologies

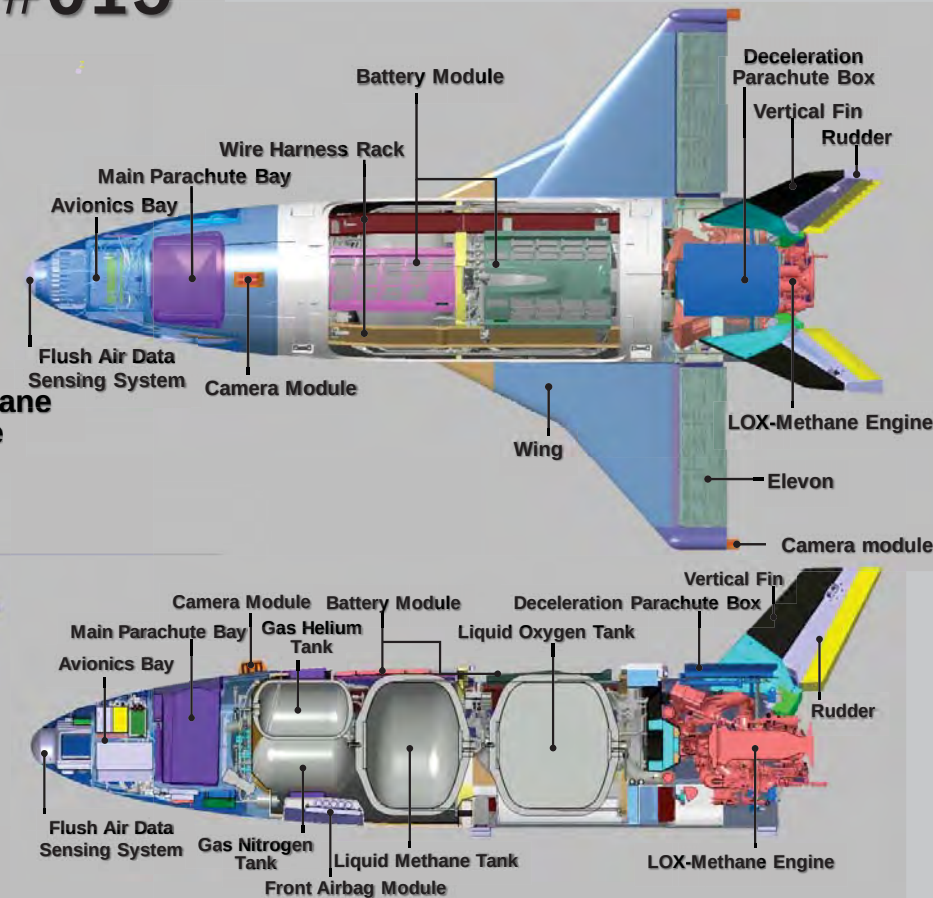
- LNG/LOX Engine (JAXA)
- Cryogenic Composite Tanks
- Non-linear Attitude Control System Using DI Theory
- Real Time Guidance System Using Genetic Algorithm

WIRES:
Winged REusable Sounding vehicle)

3. 2 有翼ロケット実験機WIRES#015



有翼ロケット実験機WIRES#015の機体構造



3. 3 実験場所

SPACE WALKER

ドイツ航空宇宙研究センターDLRとの共同研究
によりESRANGE(Kiruna/Sweden)で計画中



ご静聴
有難うございました

