

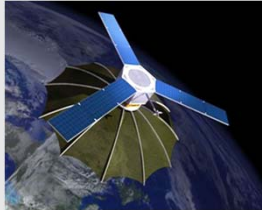
**Sierra Nevada Space Systems**  
**Commercial Crew Development Program**  
**A Model in Teaming and Partnership**

ISPCS October 2011

# SNC Space Systems Product Lines



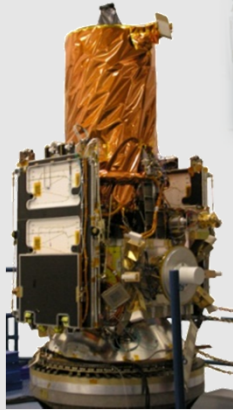
## Spacecraft Systems



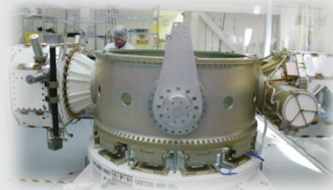
Multi-Mission Space Vehicle



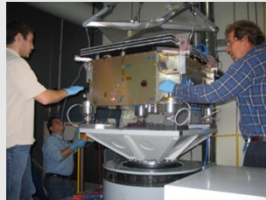
ChipSat



TacSat-2



DSX



Orbcomm Gen 2

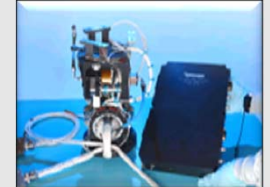
## Space Technologies



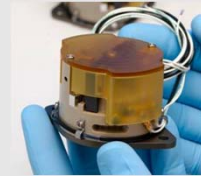
Deployable Structures



Docking and Capture



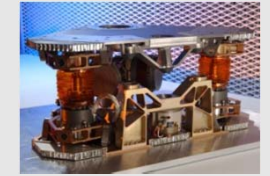
Pointing and Control



Restraint



Solar Array Drives



Gimbals

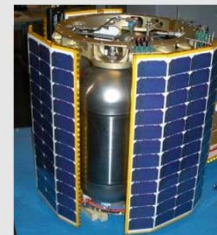
## Space Exploration



Dream Chaser Vehicle For Commercial Crew Transportation



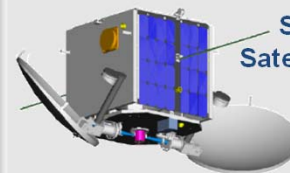
## Propulsion Systems



Orbit Transfer



Green Hybrid Engine

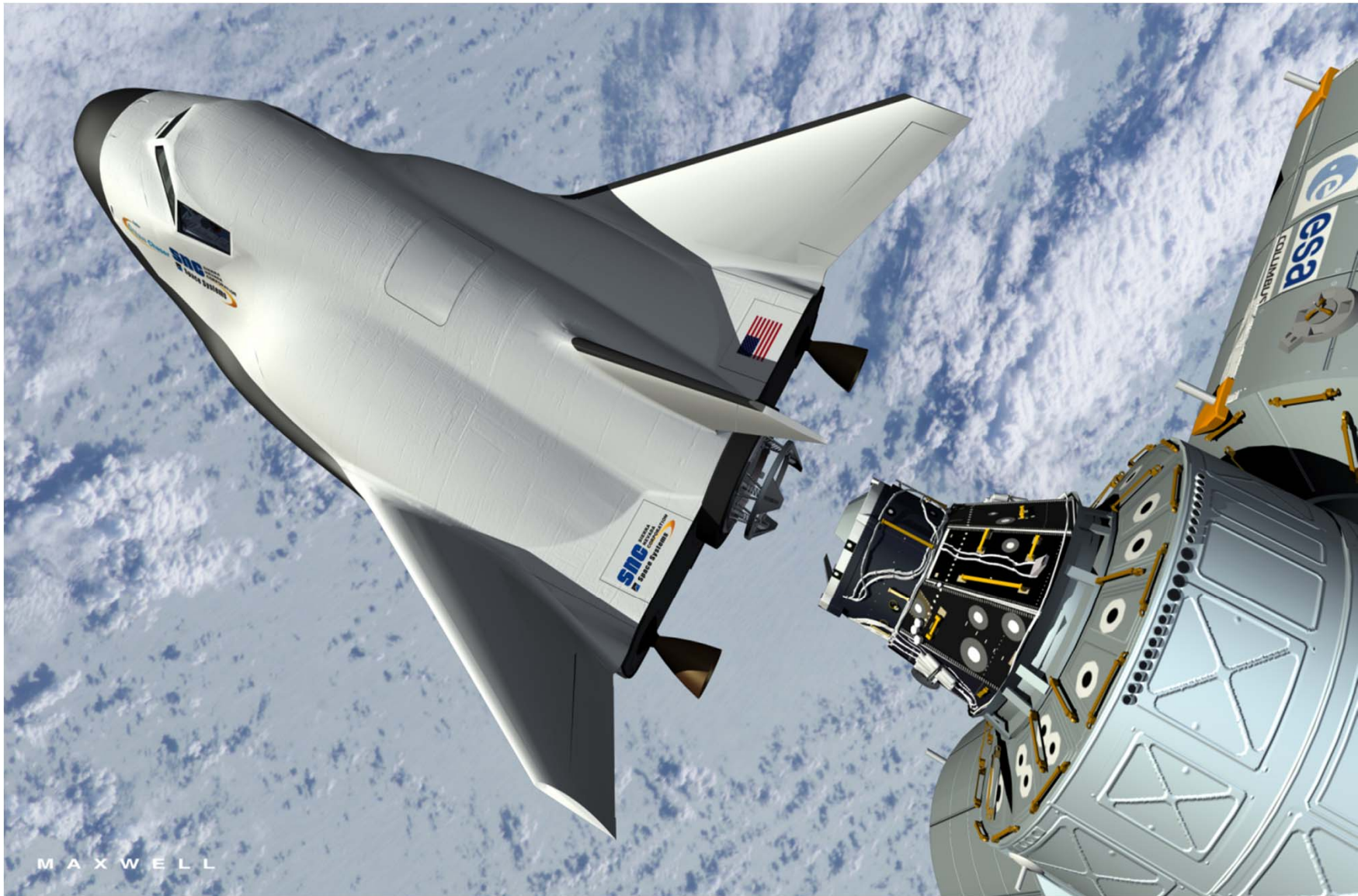


SolarThermal Satellite Propulsion



Orbital & Suborbital Launch

# Crew & Critical Cargo Transport to ISS



# SNC Commercial Program Status

- Our 7th year developing the spacecraft
- Completed all four NASA CCDev1 milestones on time and on budget
- Added a fifth task in NASA CCDev1 to build a fly a high fidelity scaled model and successfully fly it with the help of NASA Dryden
- Completed our first four NASA CCDev2 milestones on time and on budget
- NASA recently exercised optional CCDev2 milestones which will lead to first flight in 2012



# Dream Chaser Team

