

Space Exploration Systems

Dream Chaser[®] Space System

Sierra Nevada Corporation (SNC) continues to partner with NASA as part of the Commercial Crew Program to advance the development of the Dream Chaser[®] Space System. SNC is leading a team of industry experts to design and build a commercial system capable of transporting crew and cargo to and from low Earth orbit, including the International Space Station.



Crewed Dream Chaser



Space Exploration Systems

Dream Chaser® Space System



SNC's Dream Chaser spacecraft is the only low-Earth orbit, reusable, lifting-body vehicle capable of a runway landing and immediate access to cargo – preserving, continuing, and improving upon more than 40 years of Space Shuttle and lifting-body heritage into an evolved and efficient 21st Century system. A variant of the Dream Chaser Space System, the Dream Chaser Cargo System builds upon more than 10 years of development maturation, including 5 years resulting from the public-private partnership between SNC and NASA.

Dream Chaser Space System Description

As part of NASA's Commercial Crew Program, SNC has successfully completed all of the promised milestones to date, as well as a number of additional activities. The result is significant hardware and technology design maturation, production, and testing on the Dream Chaser Space System.

Dream Chaser Space System Features



- Reusable lifting body spacecraft
- Vertical Launch on an Atlas V
- Up to 7 crew to and from low Earth orbit
- Gentle horizontal landing on a conventional runway
- Immediate access to crew and cargo upon landing
- Safe, non-toxic, on-board propulsion
- Independent flight capability



Dream Chaser Orbital Crew Vehicle Launches on an Atlas V Launch Vehicle

Dream Chaser Spacecraft First Free-Flight at Dryden Flight Research Center



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