

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.



Dream Chaser

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Space Systems

Space Exploration Systems

Dream Chaser® Space System

The Dream Chaser® Program will provide NASA – and other government, civil, and commercial customers – a crew and cargo transportation system to service low Earth orbit, including the International Space Station.

SNC's Dream Chaser® team balances proven human spaceflight experts and technology providers with successful entrepreneurial companies and university perspectives to develop and deliver our Nation's next safe, reliable, and cost-effective crew transportation system.

Features

- Reusable lifting body spacecraft
- Vertical Launch on an all-liquid Atlas V
- Up to 7 crew to and from the ISS
- Gentle horizontal landing on a conventional runway
- Immediate access to crew and cargo upon landing
- Safe, non-toxic, on-board hybrid propulsion developed by SNC
- Independent flight capability



Dream Chaser® Orbital Crew Vehicle Launches on an All-Liquid Atlas V Launch Vehicle



Dream Chaser® Orbital Crew Vehicle During Captive Carry Test Flight

Description

The Dream Chaser® orbital crew vehicle is a third-generation design that builds upon years of NASA development and SNC's expertise as a prime developer and integrator of complex systems and space hardware.

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® Orbital Crew Vehicle Lands Gently on a Conventional Runway

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