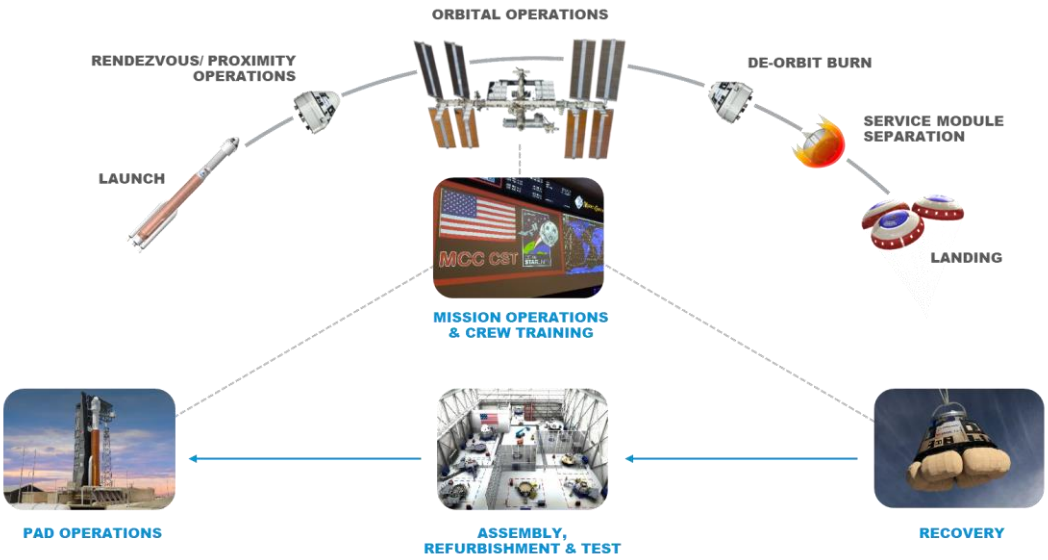
STARLINER

BOEING

MISSION *OVERVIEW*



Boeing's Commercial Crew Transportation System, called the CST-100 Starliner, is a full service system. It provides all elements needed to transport crew and cargo to and from low-Earth orbit destinations, including crew training and mission planning, spacecraft and launch vehicle assembly, integration and testing, and crew and cargo recovery. The goal is to provide safe, reliable and sustainable access to space, beginning with missions to the International Space Station and with NASA as the flagship customer. In 2014, Boeing was awarded up to $4.2 billion by NASA to build, test and fly the Starliner. The contract includes six service missions as well as an uncrewed and crewed flight test to the space station. To demonstrate its commitment to crew safety and mission success, Boeing flew a second uncrewed flight test at no cost to the American taxpayer.

INTEGRATED *TESTING*

Developing a safe, human-rated orbital transportation system takes both time and meticulous attention to detail throughout every phase of the program. We place a great deal of emphasis in testing our systems on the ground and in space before embarking on missions to fly crew members. Testing began at the component level and moved to the subsystem and integrated system level, to include structures, loads, shock, environmental, landing, propulsion system and orbital flight.

Environmental Testing in
El Segundo, California

Propulsion Testing in
White Sands, New Mexico

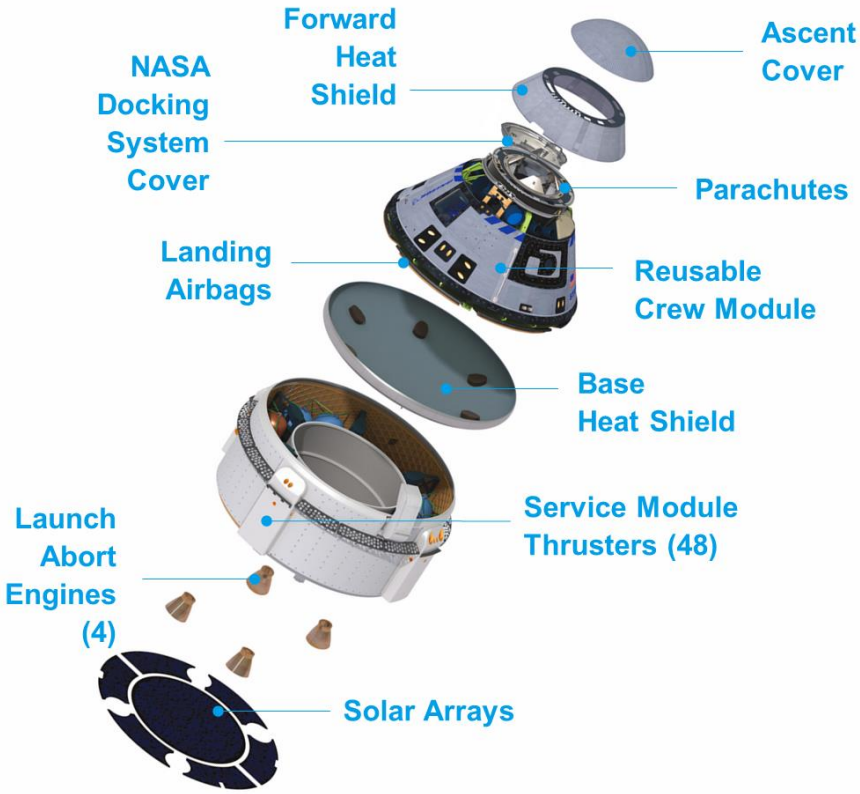
Parachute Testing in
White Sands, New Mexico

Orbital Flight Test Launch from
Cape Canaveral, Florida

Orbital Flight Test Landing in
White Sands, New Mexico

Orbital Flight Test-2 Docking with
the International Space Station

STARLINER
SPACECRAFT



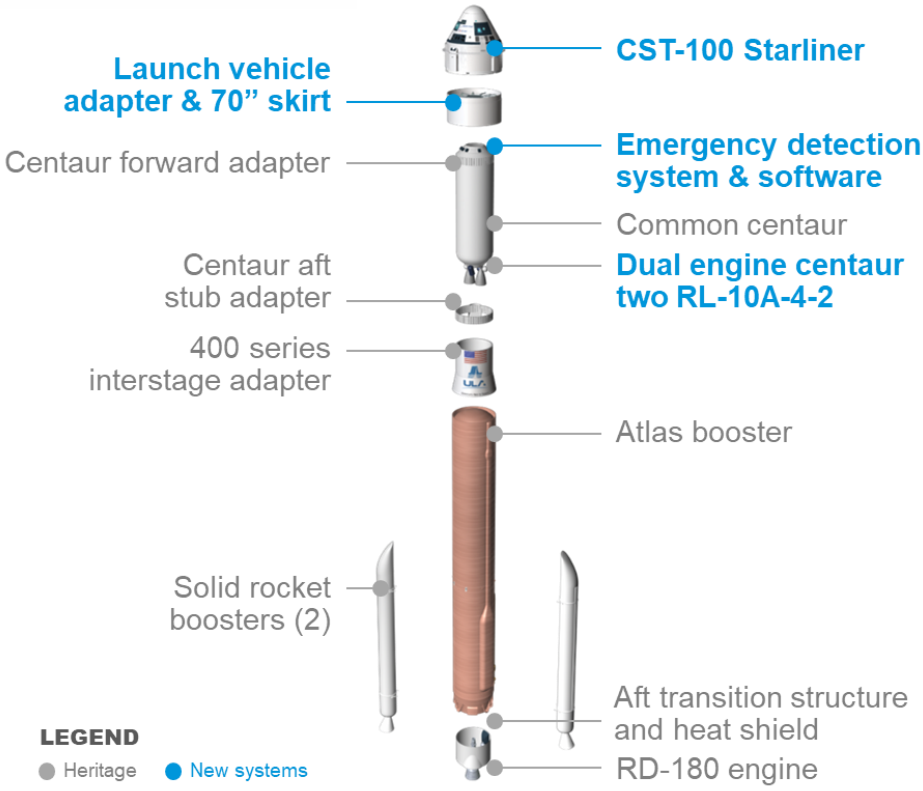
The Starliner was designed to accommodate seven passengers, or a mix of crew and cargo. For NASA missions to the International Space Station, it will carry a mix of four NASA or international partner astronauts with room for a fifth paying passenger. The spacecraft has an innovative, weldless structure and is reusable up to 10 times with a six-month turnaround time. It is the only American-built orbital crew capsule certified to land on land, thanks to its parachute and airbag systems. It is equipped with four launch abort engines to provide a safe escape for astronauts from the launch pad through ascent to orbit. It also flies and docks autonomously.

Seating for Seven
5 crew + 2 crew equivalent of cargo shown

Flexible Cabin Design
Accommodates mix of crew and cargo

ATLAS V
ROCKET

Boeing designed the Starliner spacecraft to be compatible with a variety of launch vehicles. The United Launch Alliance (ULA) Atlas V rocket was chosen to launch the initial Starliner test flights and missions because of its unparalleled safety and reliability record. The Atlas V has flown more than 95 times, delivering high-value, high-priority payloads to space with 100% mission success.



MORE INFORMATION:
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