

General Dynamics Mission Systems Supports CST- 100 Starliner

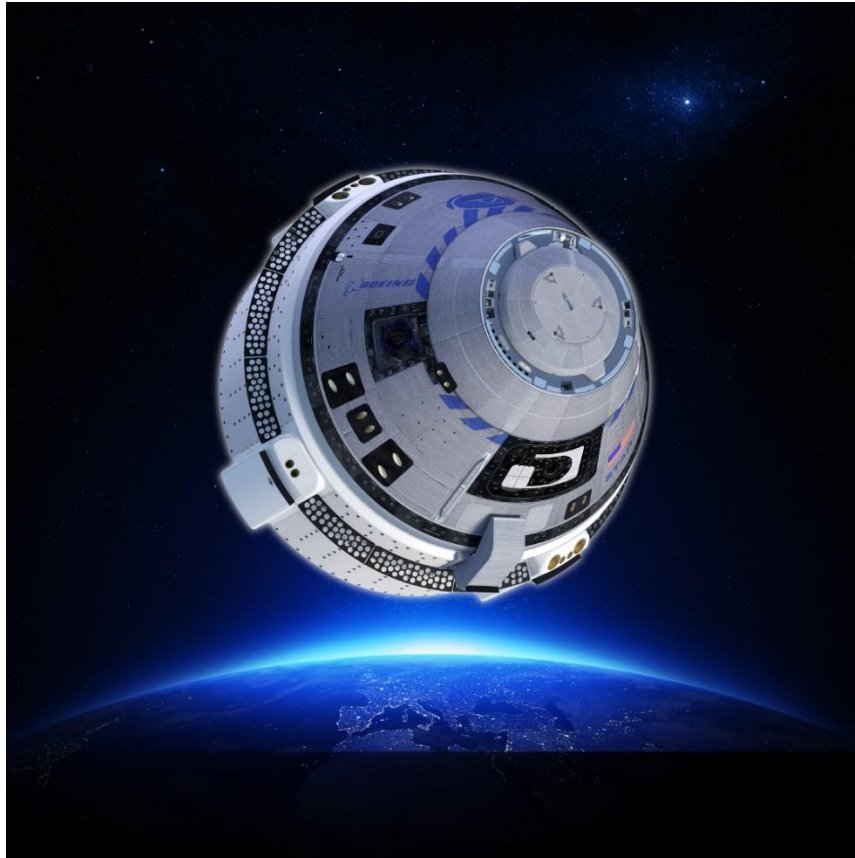


Photo Credit: Boeing and General Dynamics Mission Systems

General Dynamics Mission Systems produces a number of mission-critical communication products and mission computers for the CST-100 Starliner.

Support for the CST-100 Starliner Program:

General Dynamics Mission Systems is delivering electronic components and systems to help the Starliner fly safely into orbit and autonomously rendezvous and dock with the International Space Station, then return safely to the Earth. Components include:

- **Flight Computers** provide navigation, guidance, and control for the Starliner, functioning as the 'heart and brains' of the vehicle.
- **System Management Computers** monitor and control all systems on-board the Starliner.

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- **Space-to-space and space-to-ground transceivers and Space-to-space and space-to-ground filters** enabling all communications between the Starliner and ground control stations and the International Space Station.

General Dynamics Mission Computers are also aboard:

- The Ozone Mapping and Profiling System (OMPS), an Earth science mission
- The Chandra X-ray Telescope and U.S Air Force space programs.
- Optical Payload for Lasercomm Science (OPALS) laser communications test mission

About General Dynamics Mission Systems: Supporting national space missions with:

- Exquisite Mission payloads for national defense initiatives
- Delivering the only government-certified M-Code space global positioning (GPS) receivers ensuring accurate and secure positioning and timing for U.S. satellites.
- Trusted supplier of space electronics and communication systems for near-earth to deep space satellites to keep mission data flowing to Earth while ensuring each spacecraft stays on course and functioning at 100 percent
- Supporting national Earth Science missions like U.S.G.S Landsat, to include 'flying' Landsat 8 and building the first multi-mission operations center for the U.S.G.S Landsat 8 and 9.
- Ensuring the cyber-security of information and networks transmitting and receiving data from spacecraft to Earth and back

Interesting Facts:

- General Dynamics Mission Systems space electronics and communications products and exquisite mission payloads have been supporting NASA space exploration, Earth science and national defense for more than 60 years. Our technology is on every deep space probe; we are on every Mars rover and lander.
- General Dynamics space **GPS receivers** have been aboard both military and civilian space missions since the early 1980s.
- General Dynamics is flying Landsat 8 mission and building the next generation multi-mission operation center for Landsat 8 and 9. Landsat provides Earth scientists with live-saving information from floods, to forest fires, to the ecological changes to farm lands, the oceans and polar regions.

General Dynamics Mission Systems - Description:

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Headquartered in Fair Lakes, Virginia, General Dynamics Mission Systems partners with NASA, the U.S. Department of Defense, and government agencies to support space exploration and Earth science and national defense missions for more than 60 years.

General Dynamics Mission System is a business unit of General Dynamics (NYSE: GD). Visit

www.gdmissionsystems.com for details.

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