

# NASA's Artemis I Moon Mission Takes Flight With Successful Launch From Kennedy Space Center

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First integrated test of NASA's deep space exploration systems: Orion spacecraft, Space Launch System (SLS) rocket and Exploration Ground Systems (EGS)

Jacobs providing innovative solutions and technologies in support of NASA's deep space human exploration program

DALLAS, Nov. 16, 2022 /PRNewswire/ -- **Jacobs** (NYSE:J) congratulates NASA on the successful launch of the agency's Space Launch System (SLS) rocket and Orion spacecraft for the Artemis I mission, which lifted off Nov. 16 from historic Launch Pad 39B at Kennedy Space Center (KSC) in Florida. Artemis I is the first test flight in a series of increasingly complex missions under **Artemis**, NASA's deep space human exploration endeavor, which aims to land the first woman and the first person of color on the moon and establish a sustainable human future in deep space.

Powered by the SLS rocket, the uncrewed test flight will send Orion on a trajectory to orbit the moon, returning to earth and culminating in a Pacific Ocean splashdown. As the prime contractor at KSC for NASA's Exploration Ground Systems (EGS) program, Jacobs is responsible for receiving all SLS and Orion flight hardware, assembling and integrating all the components, developing the launch control software, conducting final test and checkout, transporting the vehicle to the pad, supporting the launch and helping conclude the mission with the recovery of Orion.

"NASA's Artemis I launch is a major milestone in the agency's new era of human spaceflight in deep space, and the first phase for humanity's return to the lunar surface," said Jacobs Critical Mission Solutions EVP and President Steve Arnette. "Jacobs teams across multiple NASA centers, contracts and programs are committed to providing

innovative solutions and technologies in support of NASA's quest to explore deep space."

Jacobs is also supporting the SLS and Orion development at multiple NASA centers. That work includes extensive verification and validation testing of Artemis I flight components. At Marshall Space Flight Center, Jacobs supported NASA in completing the SLS rocket's **structural testing campaign**, a nearly three-year structural test series that qualified the structural design of multiple hardware elements for the rocket. At Johnson Space Center (JSC), a team of engineers developed and tested the **Orion re-entry parachute system** that will slow down the capsule for splashdown. Jacobs also worked across five NASA centers to help develop and successfully test the reliability of NASA's Orion launch abort system.

To enable the journey to the moon and beyond, trajectory models will play an important role in Artemis missions from launch through lunar surface operations. At JSC, a NASA and Jacobs team developed the **trajectory plan** for the orbital flight path of Artemis I.

As NASA's largest services contractor, Jacobs is a provider and integrator of full lifecycle aerospace capabilities, including design and construction; base, mission and launch operations; sustaining capital maintenance; secure and intelligent asset management; and development, modification, and testing processes for fixed assets supporting national government, military, defense and NASA, as well as commercial space companies.

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Certain statements contained in this press release constitute forward-looking statements as such term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and such statements are intended to be covered by the safe harbor provided by the same. Statements made in this release that are not based on historical fact are forward-looking statements. When used herein, words such as "expects," "anticipates," "believes," "seeks," "estimates," "plans," "intends," "future," "will," "would," "could," "can," "may," and similar words are intended to identify forward-looking statements. We base these forward-looking statements on management's current estimates and expectations as well as currently available competitive, financial and economic data. Forward-looking statements, however, are inherently uncertain. There are a variety of factors that could cause business results to differ materially from our forward-looking statements. including, but not limited to, the timing of the award of projects and funding under the Infrastructure Investment and Jobs Act, as well as general economic conditions, including inflation and the actions taken by monetary authorities in response

to inflation, changes in interest rates, foreign currency exchange rates, changes in capital markets, geopolitical events and conflicts, and the impact of the COVID-19 pandemic, including the related reaction of governments on global and regional market conditions and the company's business, among others. For a description of some additional factors that may occur that could cause actual results to differ from our forward-looking statements, see the discussions contained under Item 1 - Business; Item 1A - Risk Factors; Item 3 - Legal Proceedings; and Item 7 - Management's Discussion and Analysis of Financial Condition and Results of Operations in our most recently filed Annual Report on Form 10-K, and Item 2 - Management's Discussion and Analysis of Financial Condition and Results of Operations; Item 1 - Legal Proceedings; and Item 1A - Risk Factors in our most recently filed Quarterly Report on Form 10-Q, as well as the company's other filings with the Securities and Exchange Commission. The company is not under any duty to update any of the forward-looking statements after the date of this press release to conform to actual results, except as required by applicable law.

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