

Image: NASA's Orion spacecraft gets lift on Earth

July 26 2024, by Jason Costa



Credit: NASA/Amanda Stevenson

Crane operator Rebekah Tolatovicz, a shift mechanical technician lead for Artic Slope Regional Corporation at NASA's Kennedy Space Center in Florida, operates a 30-ton crane to lift the agency's Artemis II Orion

spacecraft out of the recently renovated altitude chamber to the Final Assembly and Systems Testing, or FAST, cell inside NASA Kennedy's Neil A. Armstrong Operations and Checkout Building on April 27.

During her most recent lift July 10, Tolatovicz helped transfer Orion back to the FAST cell following vacuum chamber qualification testing in the altitude chamber earlier this month. This lift is one of around 250 annual lifts performed at NASA Kennedy by seven operator/[directors](#) and 14 crane operators on the ASRC Orion team.

"At the time of the spacecraft lift, I focus solely on what's going on in the moment of the operation," explains Tolatovicz. "Listening for the commands from the lift director, making sure everyone is safe, verifying the vehicle is clear, and ensuring the crane is moving correctly."

All Orion crane operators are certified after classroom and on-the-[job training](#) focusing on areas such as rigging, weight and center of gravity, mastering crane controls, crane securing, assessing [safety issues](#), and emergency procedures. Once certified, they progress through a series of the different lifts required for Orion spacecraft operations, from simple moves to the complex full spacecraft lift.

"It's not until after the move is complete and the vehicle is secured that I have a moment to think about how awesome it is to be a part of history on the Orion Program and do what I get to do every day with a team of the most amazing people," Tolatovicz said.

Provided by NASA

Citation: Image: NASA's Orion spacecraft gets lift on Earth (2024, July 26) retrieved 27 July 2024 from <https://phys.org/news/2024-07-image-nasa-orion-spacecraft-earth.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.