# Aitech Provides Critical Communication and HMI Processing Computing Technologies on Uncrewed Artemis I Test Flight

*Company delivers reliable space electronics for Humankind's return to the Moon*


Image Courtesy of NASA 2022

CHATSWORTH, CA, UNITED STATES, April 12, 2023 /EINPresswire.com/ -- Aitech, a leading provider of rugged boards and system level solutions for military, aerospace and space applications, provided a media converter for NASA's Orion spacecraft for data connectivity, and a single board computer for Callisto, a vehicle-connected crew interface technology demonstration onboard Orion during NASA's Artemis I mission. Callisto was developed by Lockheed Martin in partnership with Amazon with its Alexa digital voice assistant and Cisco with its Webex video conferencing technology.

Pratish Shah, General Manager of Aitech USA, noted, "As part of this first step for humankind's return to, and the start of a permanent presence on, the moon, Aitech is proud of the role we played in this historic Artemis I mission.

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>
> *Pratish Shah*

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For the Lockheed Martin-built Orion spacecraft, the vehicle flown during the recent Artemis I mission to the Moon and back, Aitech developed a media converter that provided information connectivity as the main conduit data

interface between Orion and the Electrical Ground Service Equipment (EGSE). Orion will enable humans to explore deeper regions of space and remain in space for extended periods of time.

Aitech also provided the C878 3U VPX Intel Xeon D-based Single Board Computer (SBC) for Callisto, a payload to test and demonstrate how commercial technology could be used to support future crewed missions in space. Aitech's C878 provided the computational core of Callisto's Alexa and intercom capabilities.

Callisto was installed in the Orion cabin, and during the 25.5 day mission, the payload was extensively tested from NASA's Johnson Space Center by virtual crewmembers. The testing demonstrated how the Alexa digital voice assistant and Webex video conferencing technology could be used to assist future astronauts on deep space missions. The Artemis I mission launched Nov. 16 and splashed down back on Earth on Dec. 11.

For more information please call 888-Aitech-8 (888-248-3248), visit https://bit.ly/AitechSpace or e-mail sales@aitechsystems.com.

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About Aitech:
With 40 years of experience, Aitech is a global digital electronics manufacturer with expertise in providing reliable, rugged embedded systems for the harshest, most unforgiving environments in military, aerospace and space applications. We enable the world's leading companies to expand their most revolutionary explorations and push the boundaries of innovation across sea, land, air, and space.

We provide COTS products based on multiple open standard architectures, including SOSA, FACE, VPX, CompactPCI, etc., such as single board computers, I/O, memory and graphics boards, PMC/XMCs and sub-system enclosures, with over 100,000 boards and custom integrated systems delivered to take on the most challenging projects in the harshest environments and succeed.  As a pioneer in space applications, Aitech offers proven space pedigree with trillions of miles flown in a variety of space missions without a single failure.

At Aitech, we stand behind our product and our customer to secure a better tomorrow.

Catherine Emond
Aitech Systems
+1 818-700-2000
email us here
Visit us on social media:
Facebook
Twitter
LinkedIn

YouTube