Momentus Deploys Qosmosys Satellite and Starts Comprehensive On-Orbit Support of Caltech Hosted Payload

May 18, 2023

SAN JOSE, Calif.--(BUSINESS WIRE)--May 18, 2023-- Momentus Inc. (NASDAQ: MNTS) ("Momentus" or the "Company"), a U.S. commercial space company that offers orbital transportation and in-space infrastructure services, has deployed the Qosmosys Zeus-1 payload from its Vigoride-5 Orbital Service Vehicle and is now providing comprehensive hosted payload support services for Caltech's Space-based Solar Power Project payload.

The Qosmosys Zeus-1 payload was deployed in orbit on May 10, 2023. Effective May 15, 2023, Momentus is providing on-orbit support to Caltech, including providing data, communication, commanding and telemetry, and resources for optimal picture taking and solar cell lighting. Momentus will also be performing thrusting maneuvers so Caltech can measure the behavior of their experiments. Caltech's Space Solar Power Demonstrator project onboard Momentus' Vigoride-5 spacecraft comprises three separate experiments. The experiments are:

- DOLCE (Deployable on-Orbit ultraLight Composite Experiment): A structure measuring 6 feet by 6 feet that demonstrates the architecture, packaging scheme and deployment mechanisms of the modular spacecraft that would eventually make up a kilometer-scale constellation forming a power station.
- ALBA: A collection of 32 different types of photovoltaic (PV) cells, to enable an assessment of the types of cells that are the most effective in the punishing environment of space.
- MAPLE (Microwave Array for Power-transfer Low-orbit Experiment): An array of flexible lightweight microwave power transmitters with precise timing control focusing the power selectively on two different receivers to demonstrate wireless power transmission at distance in space.

"We thank Caltech and Qosmosys for entrusting us with their important payloads," said Momentus Vice President of Program Management Krishnan Anand. "With the Zeus-1 payload from Qosmosys safely in its orbit, our team is now dedicated to providing support for Caltech as they test technology that aims to collect solar power in space to use on Earth. Our contract has our team supporting this payload for six months and we look forward to seeing what Caltech learns from their experiments."

About Momentus

Momentus is a U.S. commercial space company that offers in-space infrastructure services, including in-space transportation, hosted payloads and in-orbit services. Momentus believes it can make new ways of operating in space possible with its planned in-space transfer and service vehicles that will be powered by an innovative water plasma-based propulsion system.

Forward-Looking Statements

This press release contains certain statements which may constitute "forward-looking statements" for purposes of the federal securities laws. Forward-looking statements include, but are not limited to, statements regarding Momentus or its management team's expectations, hopes, beliefs, intentions or strategies regarding the future, projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, and are not guarantees of future performance. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict and many of which are outside of Momentus' control. Many factors could cause actual future events to differ materially from the forward-looking statements in this press release, including but not limited to risks and uncertainties included under the heading "Risk Factors" in the Annual Report on Form 10-K filed by the Company on March 8, 2023, as such factors may be updated from time to time in our other filings with the Securities and Exchange Commission (the "SEC"), accessible on the SEC's website at www.sec.gov and the Investor Relations section of our website at investors.momentus.space. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and, except as required by law, the Company assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise.

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