Kratos Releases Earth Observation & Remote Sensing Service Chain Enhancements for its OpenSpace Platform

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Satellite Operators and Ground Station-as-a-Service Providers Can Fully Orchestrate TT&C, Wideband Data Downlink, and Packet Processing of Mission Data

SAN DIEGO, Jan. 27, 2022 (GLOBE NEWSWIRE) -- Kratos Defense & Security Solutions, Inc. (Nasdaq: KTOS), a leading National Security Solutions provider, announced today enhancements to its Earth Observation & Remote Sensing Service Chain (EO/RS SC) for its OpenSpace Platform. The new release adds features that enable satellite operators and Ground Station-as-a-Service (GSaaS) providers to increase automation, accelerate deployment times and further optimize operating and capital expenditures.

The OpenSpace Platform is the first fully virtualized and orchestrated satellite ground system. Service chains, such as the EO/RS SC, run on the OpenSpace Platform to seamlessly integrate and automate the tasks of service delivery in a fully virtual environment. The new release of the EO/RS SC enables customers to support the current and next generation of EO/RS satellites by providing fully orchestrated Telemetry, Tracking, and Command (TT&C), high-throughput wideband data downlink and packet processing of mission data.

Addressing the intensive bandwidth needs of today's missions, the EO/RS SC delivers more than a gigabit-per-second of downlink throughput. It does so running solely on commercially available, off-the-shelf x86-based computers without specialized hardware or enhancements. Operators can deploy and reconfigure these service chains in minutes running in public cloud, private data center environments or hybrid cloud environments.

"The new enhanced capabilities of the OpenSpace EO/RS SC and the ability to orchestrate those functions within the OpenSpace Platform dramatically lower the cost of downlinks, while raising the performance for missions," said Christopher Boyd, Senior Director of Product Management at Kratos. "Virtual TT&C modems, wideband receivers, and stream processing/recorders are orchestrated as a service chain along with the automated configuration of physical functions such as digitizers and antenna control systems to support fully automated EO sensing mission services from the antenna all the way to post satellite pass processing."

Kratos' OpenSpace family of solutions enables the digital transformation of satellite ground systems to become a more dynamic and powerful part of the space network. The family consists of three product lines: OpenSpace SpectralNet for converting satellite RF signals to be used in digital environments; OpenSpace quantum products, which are virtual versions of traditional hardware components; and the OpenSpace Platform, the first commercially available, fully orchestrated, software-defined ground system. These three OpenSpace lines enable satellite operators and other service providers to implement digital operations at their own pace and in ways that meet their unique mission goals and business models.

About Kratos Defense & Security Solutions

Kratos Defense & Security Solutions, Inc. (NASDAQ:KTOS) develops and fields transformative, affordable technology, platforms and systems for United States National Security related customers, allies and commercial enterprises. Kratos is changing the way breakthrough technology for these industries are rapidly brought to market through proven commercial and venture capital backed approaches, including proactive research and streamlined development processes. At Kratos, affordability is a technology and we specialize in unmanned systems, satellite communications, cyber security/warfare, microwave electronics, missile defense, hypersonic systems, training, combat systems and next generation turbo jet and turbo fan engine development. For more information go to www.KratosDefense.com.

Notice Regarding Forward-Looking Statements

Certain statements in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are made on the basis of the current beliefs, expectations and assumptions of the management of Kratos and are subject to significant risks and uncertainty. Investors are cautioned not to place undue reliance on any such forward-looking statements. All such forward-looking statements speak only as of the date they are made, and Kratos undertakes no obligation to update or revise these statements, whether as a result of new information, future events or otherwise. Although Kratos believes that the expectations reflected in these forward-looking statements are reasonable, these statements involve many risks and uncertainties that may cause actual results to differ materially from what may be expressed or implied in these forward-looking statements. For a further discussion of risks and uncertainties that could cause actual results to differ from those expressed in these forward-looking statements, as well as risks relating to the business of Kratos in general, see the risk disclosures in the Annual Report on Form 10-K of Kratos for the year ended December 27, 2020, and in subsequent reports on Forms 10-Q and 8-K and other filings made with the SEC by Kratos.

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