



NEWS RELEASE

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Space Tango Unveils ST-42 for Scalable Manufacturing in Space for Earth-Based Applications

Company Announces Plans for Autonomous, Robotic Low Earth Orbit Platform Facilitating Development of New Sectors in the Space Economy

LEXINGTON, Ky. (NOVEMBER 15, 2018) [Space Tango](#), a leader in the commercialization of space through R&D, bioengineering and manufacturing in microgravity, today announced ST-42, a fully autonomous robotic orbital platform designed specifically for scalable manufacturing in space. Launching in the mid 2020's, ST-42 aims to harness the unique environment of microgravity to produce high value products across industries; from patient therapeutics to advanced technology products that have the potential to revolutionize industries here on Earth. ST-42 is an extension of the International Space Station's (ISS) capabilities, and NASA's creation of a robust commercial marketplace in low Earth orbit (LEO).

ST-42 will bring the economics of production in orbit into reality coupling autonomy with the reduced cost and larger number of launch vehicle providers. Space Tango expects the platform to be at the forefront of new breakthroughs in knowledge discovery, therapeutic solutions and manufacturing, and to provide the required capabilities for creation of new biomedical and technology product sectors in the commercial Space economy.

While early modules will be focused on technology applications and materials production, ST-42's initial design will incorporate features that address Current Good Manufacturing Practice (CGMP). These regulations are enforced by the FDA and are a critical component in the production of patient therapeutics that Space Tango intends to establish as a capability on orbit within the platform. In addition to harnessing microgravity to create the next billion-dollar LEO market sectors, ST-42's leap forward in the design of autonomous manufacturing capabilities has the potential to change the current paradigm and approach of multiple industries.

“With our TangoLab product line on the ISS, Space Tango has begun to pinpoint the applications and understand the unit economics of building high value products in microgravity for Earth,” said Twyman

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Clements, president and CEO of Space Tango. “This platform is the logical extension of this work and will create a new category of capabilities for LEO commercialization in the space economy. Our experienced team has crafted not only a vision for the future of manufacturing in space but procedures, partnerships and tangible plans for executing ST-42.”

Development of LEO opportunities for a variety of commercial applications continues to gain steam and will be a growing part of the modern economy. Estimates from Morgan Stanley predict that the revenue generated by the global space industry, which today consists mainly of satellites that leverage only one aspect of LEO as the vantage point of Space, will increase to \$1.1 trillion or more by 2040, up from \$350 billion in 2016. This illustrates the enormous potential of the expanding Space Economy and the opportunity for the creation of new markets that will drive further commercial applications that will benefit Earth.

About Space Tango

Space Tango provides improved access to microgravity through their Open Orbit platform for research and commercial manufacturing applications that benefit life on Earth. The Company believes the microgravity environment is a new frontier for discovery and innovation. Space Tango is focused on creating a new global market 250 miles up in low Earth orbit and envisions a future where the next important breakthroughs in both healthcare and technology will occur off the planet. Recognized for their expertise in microgravity design and operations, Space Tango believes that by exploring with industry and educational partners of all kinds, we can improve life on Earth and inspire the next generation to continue to expand the horizon of this new frontier. For more information, visit www.spacetango.com.

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