FACT SHEET

What is the Mission of SpinLaunch?
SpinLaunch is revolutionizing access to space by building the world’s lowest cost space launch system to place constellations of small satellites into Low Earth Orbit (LEO).

Who founded Spinlaunch?
SpinLaunch was founded in 2014, by Jonathan Yaney, who also serves as Chief Executive Officer. Mr. Yaney is a 1,000+ hour pilot and serial entrepreneur with 15 years’ experience founding companies in Fortune 500 consulting, IT, construction, and aerospace industries.

Where is the company located?
SpinLaunch operates out of a 140,000 square foot facility in Long Beach, California. SpinLaunch has also leased 10 acres on Spaceport America and is building a 7 million dollar facility to do flight testing of it’s unique technology. This will initially add 20+ new jobs to the local New Mexico economy.

What is the market for SpinLaunch?
There is a promising market surge in the demand for LEO constellations of inexpensive small satellites for disaster monitoring, weather, reconnaissance, communications and a number of other applications. The small satellite economy is expected to grow at a rate of 20% per year through 2022 leading to an estimated $30B+ addressable market within the decade. In the last two years, the Federal Communications Commission (FCC) has received applications to launch more than 20,000 small satellites.

However, due to the lack of cost-efficient dedicated launch capabilities, small satellite owners have not had ready access to space, severely limiting their ability to distribute satellites effectively. Increasing mission costs and slow development schedules have contributed to a reduction in mission returns.

How is Spinlaunch different from existing launch capabilities?
SpinLaunch is the only proposed launch system to employ ground-based kinetic energy in a secure structure to launch its payloads without rockets. Since the beginning of the space program, ground-based non-rocket launch systems, such as rail guns and ram accelerators have been proposed to achieve this goal, however all have employed unproven technologies with cost-prohibitive initial capital investment. This is how SpinLaunch is different.

What is SpinLaunch’s approach to cutting the costs?
SpinLaunch utilizes existing technology and components from oil/gas/mining and wind turbine industries to construct an innovative mass acceleration system, which achieves very high launch speeds without the need for enormous power generation or massive infrastructure. After ascending above the atmosphere, a relatively small, low-cost onboard rocket will be used to provide the final
required velocity for orbital insertion. Because the majority of the energy required to reach orbit is sourced from ground-based electricity, as opposed to complex onboard rocket propulsion, total launch cost is reduced by an order of magnitude over existing launch systems.

Due to its unique technology, SpinLaunch is able to offer readily-available, low cost, dedicated launches at high frequencies. SpinLaunch is working to provide up to five launches per day at a price of $250,000 / launch.

**What is the impact on the Environment?**
Under the National Environmental Protection Act, all Federal actions such as approving a launch license require an environmental assessment. The level of effort involved for SpinLaunch is mitigated by several factors: 1) the overall environmental footprint of the system is relatively minor as there are no significant quantities of propellants being combusted, 2) the environmental assessment can incorporate existing work such as is being done by Wallops Flight Facility for the US Navy’s Electromagnetic Gun to evaluate technology-specific impacts, and 3) the environmental impacts may fall within the scope of existing launch site environmental findings. For launches from private lands, SpinLaunch will work closely with the FAA/AST, in addition to local and State authorities to address required environmental processes.

**Has SpinLaunch received financial support?**
In April 2018, Spinlaunch announced that it had raised $40M in initial seed funding from prominent Silicon Valley venture capital companies: Airbus Ventures, GV (Alphabet), and Kleiner Perkins, as well as institutional investors Lauder Partners, ATW Partners, Bolt, Starlight Ventures, Neotribe and Catapult Ventures. Funds will be used to scale the SpinLaunch team and technology through first launch by 2022.

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