

Advance Space Monitor, LLC (ASM)

Spore detection and characterization has become a critical 21st century technology. From potential terrorist threats, to preventing hospital-caused diseases, to monitoring the safety of the food we eat, the need for rapid detection spore tools has been widely recognized. Today's testing protocol consists of lab techniques developed over 150 years ago – growing test samples on Petri dishes – and requiring 72 hours to obtain results. Advanced Space Monitor along with Caltech and NASA have developed and patented technology that performs this analysis in less than four minutes, with 99.9% accuracy, and at fraction of the cost. This technology has been proven in use during NASA's Mars Rover projects.

Led by Dale Tommer, ASM has assembled a team of senior, experienced management with local and international relationships. Dr. Adrian Ponce, of Caltech and NASA's Jet Propulsion Laboratory continues to develop technical enhancements and extensions, which will expand the product line into commercial areas.

With few competitors and a potential market in the billions, revenues should grow at CAGR of 42% over five years to a total of \$386 million with net profits of \$137 million. According to a Homeland Security research report conducted in February of 2009, "The Bio-Detection markets present some of the fastest growing and vibrant markets in the Homeland Security industry."

ASM is seeking to raise \$2 million in exchange for 5% of the company. These funds will be used in expanding the commercialization and marketing spore detection systems for homeland security use. (An accelerated growth plan has been developed in case a \$10 million raise can be achieved.) Revenue is projected to achieve \$4.4M in the first year of operation, growing at a CAGR of 42% to \$162M of revenue in year five. Factoring in operating expenses and a gross margin in excess of 60% will translate into a profit of \$137M over the first five years of operation. The breakeven point of the investment is estimated at the end of 18 months.

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