RLP Dosimetry

Company Overview: RLP Dosimetry produces the SEE-Rad™ radiation detector that meets the national security need to prevent illicit radioactive materials from entering the U.S. seaports by monitoring gamma radiation from cargo containers. The detector with its electronics is one inch square, inexpensive, disposable and produces an electronic si nal and/or a light as a radiation warning.

Problem: Congress mandated 100 percent monitoring of cargo containers that enter U.S. seaports, yet only 4.6 percent (in 2010) of cargo containers are being monitored for illicit radioactive materials, weapons of mass destruction or dirty bombs. Booz Allen & Hamilton predicts that should an undetonated dirty bomb be discovered in a U.S. seaport, all U.S. seaports will close for at least 5 days while searching for other devices and cost the U.S. $58 billion. The Brookings Institution predicts that the detonation of a dirty bomb in a U.S. seaport would cost the U.S. $1 trillion.

Solution: SEE-Rad can monitor radiation from cargo containers in transit across the ocean before entering U.S. seaports to segregate suspicious cargo containers for more detailed radiological monitoring and inspection.

Why RLP Dosimetry: The radiation protection founders at RLP have developed the SEE-Rad based on more than 50 years experience in private consulting and at national laboratories.

Business Model: Manufacture and market SEE-Rad through nuclear instrument manufacturers and existing dosimetry firms.

Market Opportunity: These firms have experience in manufacturing and selling products to the Department of Homeland Security.

Leo Gomez

Investors: *Founders*

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In Attendance:
Noel Savignac, Ph.D.
Leo Gomez, Ph.D.

Revenue Forecast:

2011:	*$ 0*
2012:	*$ 0 .3M*
2013:	*$ 15M*
2014:	*$ 30M*
2015:	*$ 60M*

Competitive Advantage: Competitive products do not produce an immediate real-time warning of radiation doses because the detectors need to be sent to a lab for readout, which requires days to weeks to complete. Others products are fragile, need human interpretation of colors, cost hundreds of dollars each or are not easily mass produced.

Management and Technical Team: Noel Savignac, Ph.D. and Leo Gomez, Ph.D. developed the SEE-Rad detectors with assistance from electrochemists, analytical chemists and electrical engineers at Sandia National Laboratories. Management team to include CEO, marketing specialist and accountant. The board of advisors has five members.

Funding Request: $3 million to determine sensitivity, shelf-life, and to package, manufacture and market the detectors.