

YXO, Inc.

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Company Overview: YXO Inc., is a structural materials development and manufacturing company based on proprietary intellectual property, Brockwell Structure Technology (BST), developed at Los Alamos National Laboratory (LANL). YXO will provide cost competitive, lightweight, high strength, energy absorption structure and frame solutions to the automotive and aerospace industries.

Problem: DOE 's vehicle program calls for validation of a cost-effective 50 percent weight reduction in passenger-vehicle body and chassis systems by 2015. Structure contributes to 24 percent of the vehicle weight. Carbon fiber reinforced polymer (CFRP) is the lightweight structural material of choice; however, CFRP's brittle failure mode and the high manufacturing cost have limited its applications in the automotive industry.

Solution: BST is an innovative composite structural material that offers the superior strength to weight ratio of carbon fiber, and the elasticity of metal to absorb impact energy. BST is an engineered structure consisting of a high-tensile strength embedded core, a structural skeleton and a tensioned external weave.

Business Model: YXO's revenues will come from product application fees and from materials manufacturing for the automotive and aerospace industries. Additional revenues will come from licensing fees from other industries and applications.

Market Opportunity: BST structural components offer benefits not currently available in the market place. By their nature, BST materials can address a wide array of markets. The primary markets are automotive and aerospace. However, BST is positioned to enter the markets that have an urgent need for structural materials that are lighter, safer and stronger, which translates to lowered energy consumption and minimized catastrophic failures.

Competitive Advantage:

- LANL exclusive licensing to BST.
- Design flexibility and cost competitiveness.
- Boeing and DOE interests and collaboration.
- Dedicated and experienced management team.

Management Team: Yun Li Ph.D., CEO. Yun is a material scientist and entrepreneur, with extensive experience in execution and program management in a global environment. Tom Brennan, chairman. Tom is a former Sandia National Labs technologist and a serial technology entrepreneur. He has started and led several successful technology startups in the past 20 years. Molly Gernicek, VP of business development. Molly is a former LANL employee and an internet business owner. She has 10 years experience in successful international business ventures.

Funding Request: YXO is currently seeking \$500 thousand to finalize validation testing and will seek \$2 million in startup funding.



YUN LI

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In Attendance:

Yun Li
Tom Brennan
Michal Brockwell
Molly Gernicek

Revenue Forecast:

2011:	\$	0.1M
2012:	\$	0.5M
2013:	\$	2.5M
2014:	\$	25M
2015:	\$	50M