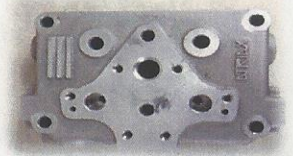
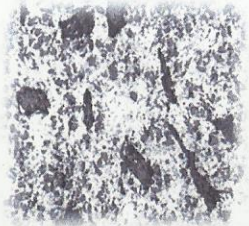


Intelligent Composites

Our Compressor will
save millions in Fuel,
Oil and Maintenance.



Compressor Market
\$172.5 Million

\$4 Million in Investments

▪ Profits by end of year 5 – \$15.8 million

▪ Company Evaluation by year 5 – \$103 Million

Prof. Pradeep Rohatgi
University of Wisconsin Milwaukee
Phone: (414) 229-4987
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E-mail: prohatgi@uwm.edu



Self-Lubricating Aluminum-
Graphite Bearing

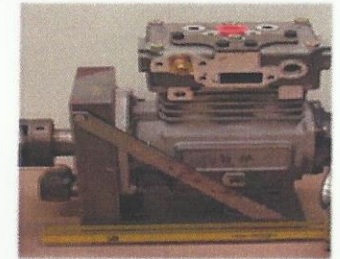
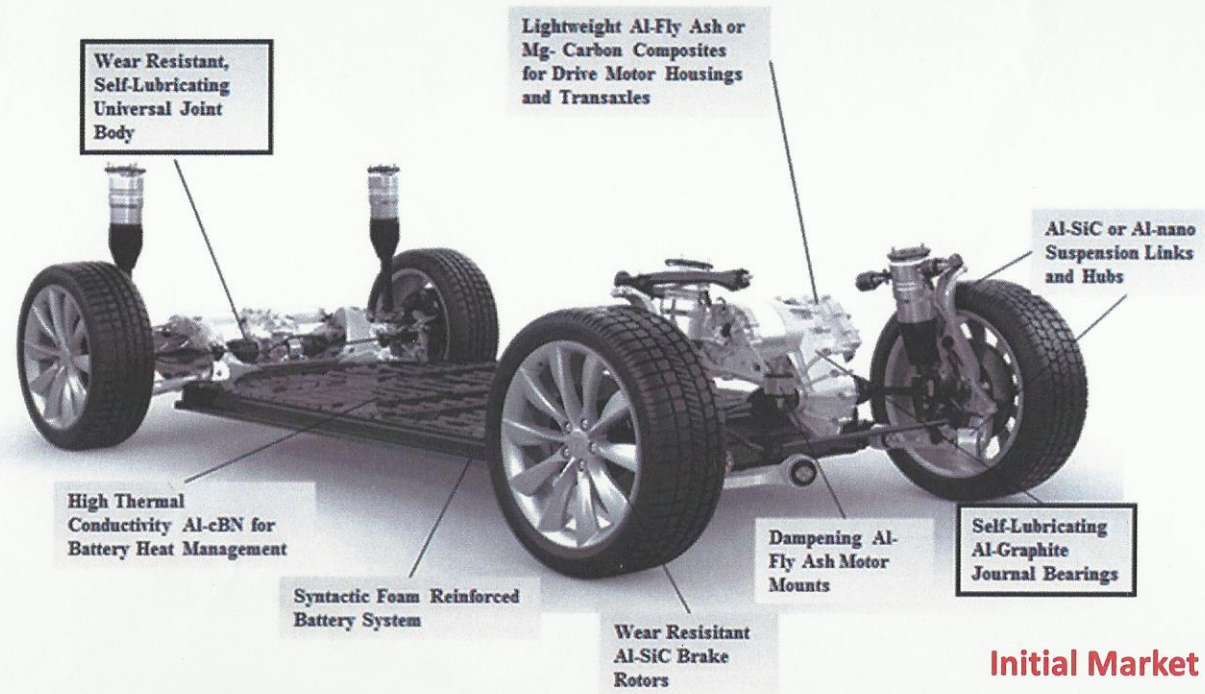


Light weight Self-Lubricating
Aluminum / Graphite Piston and
Liner

Total Market:
> \$1 billion

Intelligent Composites

Lightweight self lubricating aluminum composite castings have a market of over \$1 Billion/year, saving millions of dollars in energy and maintenance costs while reducing pollution



Initial Market : Lightweight Compressors

Investment for compressors: \$4 M

Profits Yr 5: \$15.8 million

Yr 5 Company Evaluation: \$103 Million

Dr. Pradeep Rohatgi
UW-Milwaukee Distinguished Professor
Director of Centers for Composites
and Advanced Materials Manufacture

Financing

Total Funding: \$4.0 million

Total: year one	\$2.5 million
Total: year two	\$1.5 million

Exit Strategy

Acquisition by large corporation, including large truck and auto compressor manufacturer including: company value by year 5 - \$103 Million

Navistar – International Truck and Engine Corporation

Bendix – Manufacturer of air brake system, and components including compressors

Wabco – Global supplier of technologies and control systems including compressors

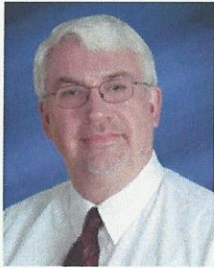
Caterpillar – Infrastructure Equipment, including trucks

Cash Flow Projections

Statements of Cash Flow values in 1000s

Description	Forecast Year1 Ending 12/31/2014	Forecast Year2 Ending 12/31/2015	Forecast Year3 Ending 12/31/2016	Forecast Year4 Ending 12/31/2017	Forecast Year5 Ending 12/31/2018
Number of compressor sold		5000	30000	60000	90000
Total revenue		\$5.75 M	\$17.25 M	\$34.5 M	\$51.75 M
Profit After Tax	-\$1,228.4	-\$44.2	\$4,611.9	\$10,194.6	\$15,816.6
Add Back Depreciation	\$200.0	\$200.0	\$200.0	\$200.0	\$200.0
Total Working Capital Needs	\$13.3	-\$1002.1	-\$789.4	-\$882.5	-\$1,082.5
Loans (Decr.) Incr.	-\$474.1	-\$503.4	-\$534.4	-\$567.3	-\$602.4
Distributions	\$0.0	\$0.0	-\$3,191.7	-\$4,105.8	-\$6,354.6
Cash Flow	-\$1489.2	-\$1349.7	\$300.4	\$4,839.0	\$7,977.1
Beginning Cash	\$3,100.0	\$1610.8	\$261.1	\$561.5	\$5,400.5
Ending Cash	\$1610.8	\$261.1	\$561.5	\$5,400.5	\$13,377.6

Management Team



CEO David Weiss: Prototypes, final manufacturing, assembly and shipping

- Over thirty years of experience in manufacture of lightweight castings for transportation
- Vice-President of Eck Industries
- Engineer from UW-Madison



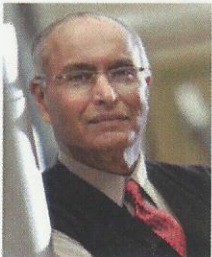
Mike Black: Responsible for marketing, advertising, sales and distribution

- Extensive experience in manufacturing and sales of compressors with Bendix
- Tested compressor prototypes
- Has a start up : Atriax



Jim Hunter: Responsible for financial management

- Extensive industry experience starting several small businesses.
- President and CEO of Dynamic Solutions and MII Equipment Inc.
- MBA from Harvard and BE from Purdue.



Dr. Pradeep Rohatgi: Research and product development

- World leader in developing lightweight cast composites
- Holds an extensive patent portfolio and proprietary information
- Extensive industrial experience
- Doctorate from MIT and UWM Distinguished Professor

Product/Service, Market and Sales



Prototype lightweight
self lubricating
compressor with Al/Gr
liner



Al/Gr liner

- **Our Products**
 - Lightweight self-lubricating Aluminum/Graphite compressor
 - Reducing energy consumption, emission and maintenance costs
 - Proven commercial prototype tested over 4000 hours
 - Strong Patents and trade secrets portfolio

- **Our Market**
 - Repair Depots, Original Equipment Manufacturers and suppliers
 - 300,000 compressors of \$575/compressor (\$172.5M) in civilian trucks; our costs of manufacturing \$330/compressor
 - > \$1 billion for truck and automotive bearing, piston and liners

- **Our Sales Plan**
 - Advertising: Mobile technology test bed driven around to fleet owners
 - Direct sales: Large fleet owners, repair depots, OEM's and OEM suppliers
 - Sales cycle will be about 9-12 months

Business Overview and Strategy



Prototye lightweight self lubricating compressor with Al/Gr liner

- First target: Truck air brake self-lubricating

Market > \$170 Million

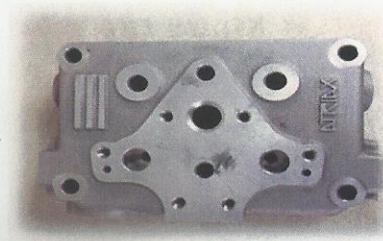
- Future: Lightweight self-lubricating bearings, liners, pistons for heavy duty trucks and automotive applications

Market > \$1 Billion

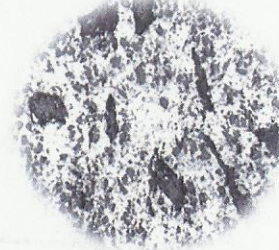


Al/Gr liner

- Our compressors are 35% lighter, require 25% less Horse- power, reduced maintenance cost and reduced pollution compared to Iron compressors



Aluminum head



Al-Si/Graphite
Microstructure

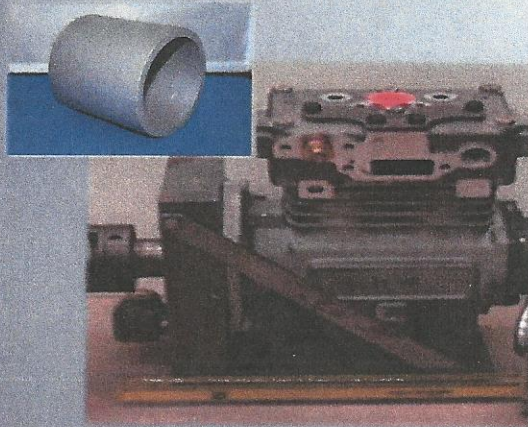


Light weight Self-Lubricating
Aluminum / Graphite Piston and
Liner

Intelligent Composites

Our Initial Product

- Our Lightweight Aluminum Liner and Compressor



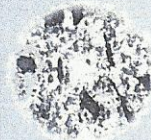
THE COMPANY

- The Intelligent Composites Company will be formed as a LLC Corporation after the venture capital is raised and the founders being:
 - Dr. Pradeep Rohatgi
 - David Weiss
 - Mike Black
- As founders, considerable investment has already been made in developing IP, prototype manufacture and testing to set the stage for commercial manufacture of compressors.
- Initially manufacture lightweight self-lubricating compressors for heavy trucks and then move into the larger automobile and small engine markets.
- Later on make pistons, cylinder liners, and bearings of Aluminum-Graphite composites for Truck and automotive applications

THE PRODUCT

Product Description

- The incorporation of solid lubricant graphite particles in aluminum castings make them lighter and self-lubricating, reducing friction requiring less oil. Our compressors will have the following advantages:
 - 35% lighter than Iron compressors.
 - Double the interval between rebuilds and maintenance.
 - Draw 25% less horse power.
 - Reduce pollution due to lower oil consumption



Al-Si/Graphite Microstructure



Aluminum head

THE MARKET

Market Description

- More than 90% of compressors are all cast iron and the goal is to replace cast iron compressors for air-brake systems in heavy trucks with our lightweight self-lubricating compressors.
- Currently 300,000 new compressors are manufactured each year in US alone; 30% can be converted to our compressors.
- Compressors certified to meet specifications for military vehicles, including Oshkosh and BAE. Oshkosh Truck has already tested our compressor in cement truck for 4,000 hours.

BUSINESS OVERVIEW

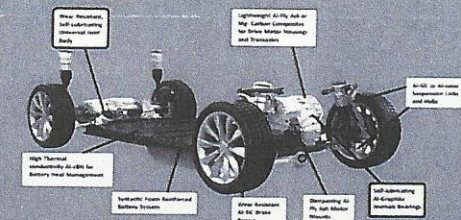
- First target: Truck air brake self-lubricating Compressor

COMPRESSOR MARKET > \$170 MILLION

INVESTMENT OF \$4 MILLION LEADS TO \$100 MILLION COMPANY VALUATION IN 5 YEARS.

- Future: Lightweight self-lubricating bearings, liners, pistons for heavy duty trucks and automotive applications

AUTOMOTIVE MARKET > \$ 1 BILLION



CONTACT INFORMATION

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