

Levgum

The power of rubber recycling

Background

Globally, over 1 billion tires reach the end of their life each year and are dumped in already overflowing stockpiles and illegal landfills. And this composes only 55% of the rubber waste problem. This waste rubber is not biodegradable, is dangerously combustible, and wreaks havoc on the environment.

Technology

Levgum is an environmental technology company specializing in rubber de-vulcanization. The Company has developed the world's leading rubber de-vulcanization technology, turning rubber recycling into a commercially viable, environmentally clean enterprise.

Levgum's innovative new process involves breaking down the sulfur links that are crossed between rubber polymer chains in vulcanized rubber. This enables waste rubber to be re-used, while retaining most of the properties and characteristics of the original rubber. As a result of Levgum's novel technology produces de-vulcanized rubber compound (DRC), which offers, for the first time, high-quality recycled rubber that can replace virgin rubber compounds at a significant cost savings, thereby ensuring a better and more lucrative future for the entire rubber industry.

Advantages

Levgum's de-vulcanization process will reduce the amount of rubber waste around the world. It will eliminate the need for dumping in illegal landfills and save the environment from hazardous incineration gases. It presents a sustainable economic model for the problem of rubber waste.

Value Proposition

Levgum's technology provides economic incentive for rubber recyclers, allowing them to be environmentally sound and economically feasible.

Market Size

Levgum's vision is that its patent-protected technology will be responsible for 20% of the world's de-vulcanization market by 2014.

Approach to Market

Levgum sells licenses for the use of its de-vulcanization technology. With this, Levgum also offers a technical solution to build the entire facility, financing program, and product development services.

To date the company has seven licensees around the world: Australia (Black - Orb), Brazil (Cibell), Greece (CYCLOELASTICA), India (TVS Sundaram Industries), Portugal, Turkey (MSA Kacuk, Plastik, ith.ihr.San.Ve Tic.Ltd.Sti), and the United States (Newrub Tire Recycling, LLC).

The leading tire company in the world has recently recognized Levgum's de-vulcanized rubber compound (DRC) to be a better material than any other commercially available materials. Levgum has recently signed a joint development agreement with this tire manufacturer aimed at maximizing the amount of its de-vulcanized rubber in its tire compounds.



Contact Information:

Levgum Ltd.

14 Adar St.
P.O. Box 8233
Kiryat Gat 828020, Israel
Phone: +972.8.688.9277

Contact Person:

Ran Zamir, CEO

Mobile: +972.52.605.5120
E-mail: info@levgum.com
Web: www.levgum.com

Key Personnel:

Daniel Bar-On, Chairman of the Board.

Initiator, manager, and promoter of large building projects in Israel and abroad; M.A., political science and international relations, Haifa University; graduate of the Ecole de Guerre, France.

Ran Zamir, Ph.D., CEO. Associated with Levgum since its infancy and has played a key role in leading the company forward; Ph.D., theoretical physics, Ben-Gurion University of the Negev; was a scientist in the service of the Israeli government.

Company Status:

Founded: 1998

Investors: Aluminum Construction, Mofet B'Yehuda Innovation Accelerator, Daniel Alchech, Dan Laluz, Dexagon Ltd., Elephant Ltd., DRBA Ltd., Alpha Group LLC (U.S.), Craig Lovett.

Achievements Technology has been effectively proven in the industrial arena; Company has seven licensees around the world.

Intellectual Property:

Levgum holds a patent on its de-vulcanized rubber compound (DRC) in the United States, Europe, Asia and Australia.

Milestones:

Q2 2003 First contract signed.

2008 Over 10,000 tons of DRC.

2010 Over 100,000 tons of DRC.