



# TDE Recovery Technologies Ltd.

(OLD TIRES → NEW ENERGY)

## THE GLOBAL PROBLEM

- Scrap tires represent 85% of all rubber waste globally.
- Many recycling alternatives were developed, but no known effective methods.
- Burning tires as fuel emits gases such as SO<sub>2</sub> and SO, thereby causing pollution.

## THE PRODUCT

- A system by which mainly electrical energy is produced – to be sold to the national grid, together with marketable by-products such as steel, sulfur and others.
- All gases emitted and by-products coming out from the process are environmentally clean and safe.
- Process outcome from 16,000 tons/year: 5MW/H of electricity, 1,600 tons of Steel and 35 tons of Sulfur.

## BENEFITS

- Low costs involved with TDE technology: Cheap Raw Material brings low costs for the production of electricity.
- TDE Process is endeavored to be environmentally safe.
- Cheap way for production of electricity (Prices increase on average each year).

## THE COMPANY

- T.D.E Recovery Technologies Ltd. founded in Israel during 2006.
- Subsidiary of Globe International Holdings S.A. – International Group of Companies active in fields such as real estate, media, trading, industry, mining and new technology investments.
- The Chief Scientist Office of the State of Israel has approved the project and provides financial support for the company.
- The University of Michigan conducted a market entry analysis for TDE in Western Europe in April, 2010, together with an additional analysis for the USA market to follow.

## THE TEAM

- Dr. Alex Bronshtein, serves as the development manager and has more than 50 years of experience in the chemical and energy industries.
- Moshe Weisz, serves as the General Manager with handful experience in the construction management industry in Israel.
- Menachem Scop, serves as project manager with 32 years of experience in the development, design and manufacturing of systems and equipment in the field of chemistry and electricity.
- David Jakobovich, serves as the purchasing manager, with a handful years of experience in the business world. David has been the initiator of the economic framework development of TDE.



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## TARGET CUSTOMERS

Electricity Corporations, Industrial Corporations, Refineries, heavy users of electricity and many more.

## INTELLECTUAL PROPERTY

- Provisional Patent in the USA filed on March 2009 by title: "Method and system for producing electrical energy from rubber containing raw material".
- 3 PCTs registered on March 2010 by the following titles: a) Pyrolytic reactor design; b) Environmentally clean process of TDE's technology for utilizing pyrolysis products; and c) Feeding apparatus and method for a pyrolytic reactor.

## DEVELOPMENT MILESTONES

- 2006-2007: Model developed and built which proved the initial concept and enables to produce diesel out of tire bits.
- 2008-2010: Operational pilot plant of 1:20 in Israel expected around the 4th quarter of 2010.

## CO-OPERATION AND PARTNERSHIPS

TDE is interested in new partnerships, co-operations and investors, and therefore welcomes enquiries from companies and government agencies to contact it in order to discuss potential co-operations and business opportunities.

