

Shouting 'green' from the rooftops

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By **Ruby Lim**

THE environmental catastrophes occurring around the world are evidence that we need alternative, renewable and more sustainable energy sources.

Human activities such as burning fossil fuels, operating power plants to generate electricity as well as deforestation are overloading the atmosphere with carbon dioxide along with other air pollutants, creating extensive impact on Mother Earth, not to mention the extreme weathers, rising sea levels and heatwave.

Looking to create a positive shift through the development of renewable energy, Malaysian innovator Timeless Green Sdn Bhd (TG) has positioned itself to be an impactful agent of change in fighting global warming.

“Unsustainable environmental damage is ongoing and we must take the threat of climate change seriously.

“We need to step up and do our part for Mother Earth and I believe renewable energy is a key element in countering damage caused by greenhouse gas emissions,” said TG founder director Datuk Dr Dennis Ganendra.

Incorporated in 2012 and headquartered in Petaling Jaya, Timeless Green is among the few renewable energy developers in the country delivering multi-resource renewable energy projects, and it is going international.

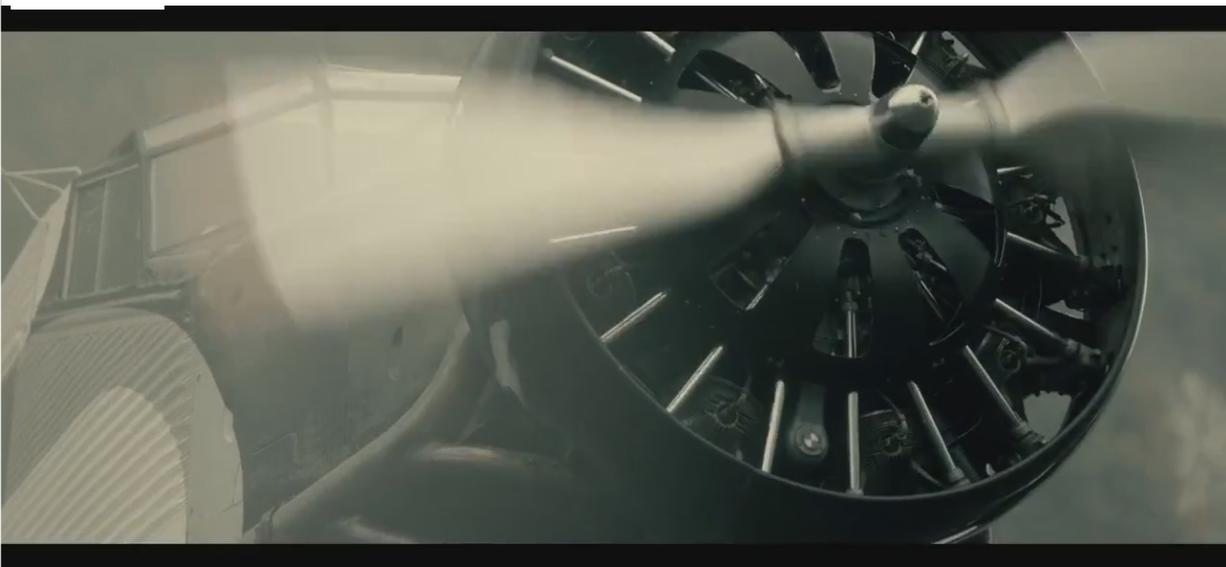


Dr Ganendra showing the model of the animal waste biogas treatment plant located in Kampung Valdor, Seberang Prai.

Dr Ganendra said TG’s mantra, “Good Business Doing Good”, currently covers three distinct business groups – solar, biogas and hydro.

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“As a pioneer in the renewable energy industry, TG has commissioned a large number of solar rooftop projects, creating a valuable platform as one of the largest rooftop solar photovoltaics (PV) developers in South-East Asia.

“We focus on rooftops because use of land for PV projects increases competition with agriculture and commercial industry, as well as encourages deforestation – all of which are environmentally compromising.

“Rooftop solar makes use of otherwise dead space, but is of course far more challenging to convert, requiring greater expertise. But we love these challenges,” he said.

TG has also successfully commissioned one of South-East Asia’s largest Retrofit Roof-Top Solar PV Project, which has a total power generation capacity of 5.28MWp.

This project, located at Kuala Lumpur International Airport (KLIA), started its commercial operation in 2014 and plays a major part in reducing carbon emission in the Klang Valley.

Again, the project required huge technical expertise, which was provided by TG’s nimble and qualified engineering teams.

Simultaneously, TG is also developing the country’s first large-scale animal waste treatment projects.

The animal waste biogas treatment plant in Kampung Valdor, Seberang Prai, will utilise methane gas generated from anaerobic digestion of manure to generate electricity.

The animal waste project results in major environmental cleanup, whereby a wastewater treatment system will be implemented to improve the water quality of Sungai Bakap as well as air quality and cleanliness of the surrounding area.



Dr Ganendra (back row, centre) together with senior management and employees celebrating the company’s achievement in receiving The Star Business Awards (SOBA) 2016 Best Green Initiative silver award.

“We are working with a group of pig farmers who see this project as the future in making the industry sustainable while enabling better livestock manure management.

“New technologies, challenging delivery and infrastructure, but again, well worth the development.

“Additionally, the centralised biogas system with its advanced piping system will reduce the need for land vehicles to transport the animal waste, further reducing carbon footprint,” said Dr Ganendra, adding that the 1.21ha plant was expected to be ready in November 2018 and has a power generation capacity of 1MWp.

In Terengganu, TG is developing three mini-hydroelectric power plants that will generate about 14MWp annually by using running water from small streams or rivers.

As a real indication of TG’s commitment to greening, all these mini-hydro projects have detailed fish-impact assessment and environmental appraisal studies done to minimise impact on the environment and often, improve the natural ecosystems.

TG’s commitment to environment is further strengthened by its work ethic and policy statement.

“We work and live by the objectives of our business to ensure a sustainable and improved future for our natural environment and community.

“Apart from the traditional financial targets and technical targets, each business group has unique environmental targets as annual KPIs. We think, breathe and deliver green!

“These environmental KPIs include significant carbon dioxide reduction in the atmosphere, tonnes of BOD, COD and Ammonia reduced as well as major DO increase into the riverine system, all by per annum,” stressed Dr Ganendra.

The unique business model earned the company the Best Green Initiative Silver Award at the The Star Business Awards (SOBA) 2016.

Dr Ganendra attributes the company’s growth and success to TG’s people and their passion.

“TG has experienced, visionary senior management backed by gifted, enthusiastic young engineers. We are fortunate.

“TG’s team really wants to positively impact the environment through new technologies, enthusiasm and passion.

“We learn and develop together, pushing ourselves to greater delivery and impact,” said Dr Ganendra, adding that the company has more than 30 employees and growing.

Dr Ganendra, who is also executive director and part of the exco management of Minconsult Sdn Bhd, said the DNA of Timeless Green was strongly influenced by Minconsult’s longstanding core values.

On the outlook of the industry, Dr Ganendra hopes to see renewable energy as a major source of energy.

“At the moment, renewable energy is seen as an alternative source of energy. We hope for it to be on par with conventional energy in 10 years’ time,” he said.

Looking forward, Timeless Green will continue to explore and develop new technologies to convert various forms of environmentally harmful waste to useful products like green energy, clean water and other valuable by-products.

New product lines include human waste and landfill gases.

Latest international developments include hydro and solar projects in Indonesia, the Philippines, Bangladesh and Sri Lanka.

TAGS / KEYWORDS:

Central Region , Timeless Green Sdn Bhd , Renewable Energy , Soba 2016

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