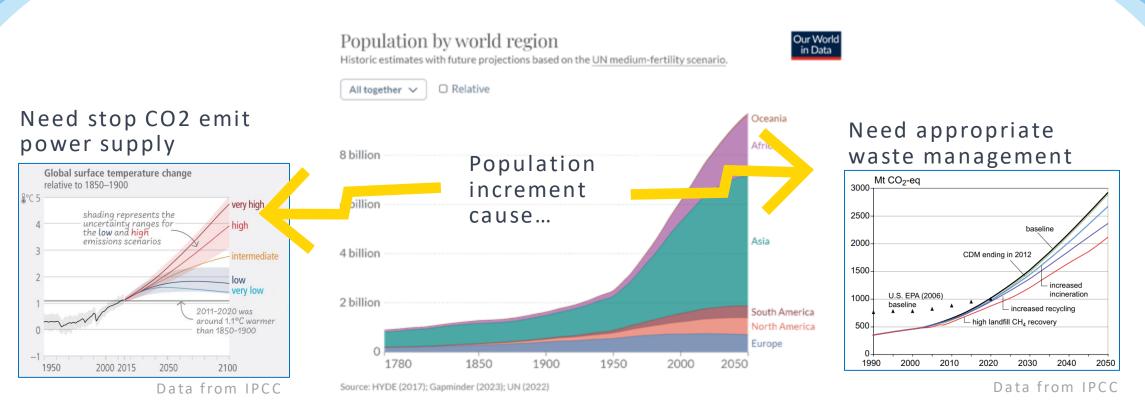
Are You Eco-Active



Proposal for Clean Solution and Value is on following

Environmental Crisis



Action towards environmental measures is urgently needed.

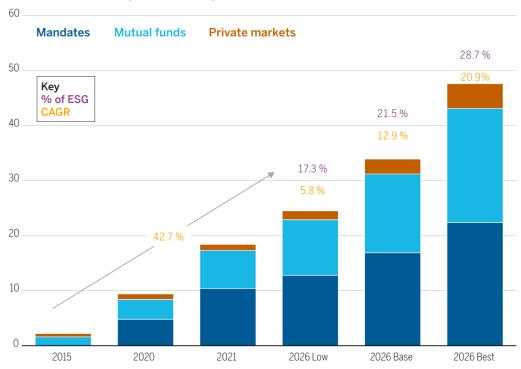
Especially in Southeast Asian countries where population growth is significant and individual electricity consumption is increasing, there is an urgent need for environmentally-friendly power supply and energy-saving facilities.

Meanwhile, it is not enough to simply promote products that are already used in advanced countries. Understanding the local conditions and providing products that can be used effectively in the region are essential.

FACT that:

Companies implementing environmental measures are growing, While those indifferent to environmental concerns are declining.

Global ESG AUM (US\$ trillion)



Source: PwC Global ESG and AWM Market Research Centre analysis

For example,
Walmart, the giant super market in US,
Due to the sharp increase in hurricanes,
they suffered damages worth 22Million USD,
impacting 100,000 customers, stores, and

As a major corporation, Walmart took the lead in initiating environmental protection efforts. In 2005, they declared their commitment to using 100% clean energy by 2050.

As a result, they managed to reduce 650,000 tons of carbon dioxide and save energy costs of over 1billion USD within 10years.

employees.

•WHO is TPG?



Introducing a Pioneering on Water Floating Solar Power generation from TSB Japan to Laos via Thailand!

We're the first Japanese company to bring solar power to Laos through our water-based solar project.

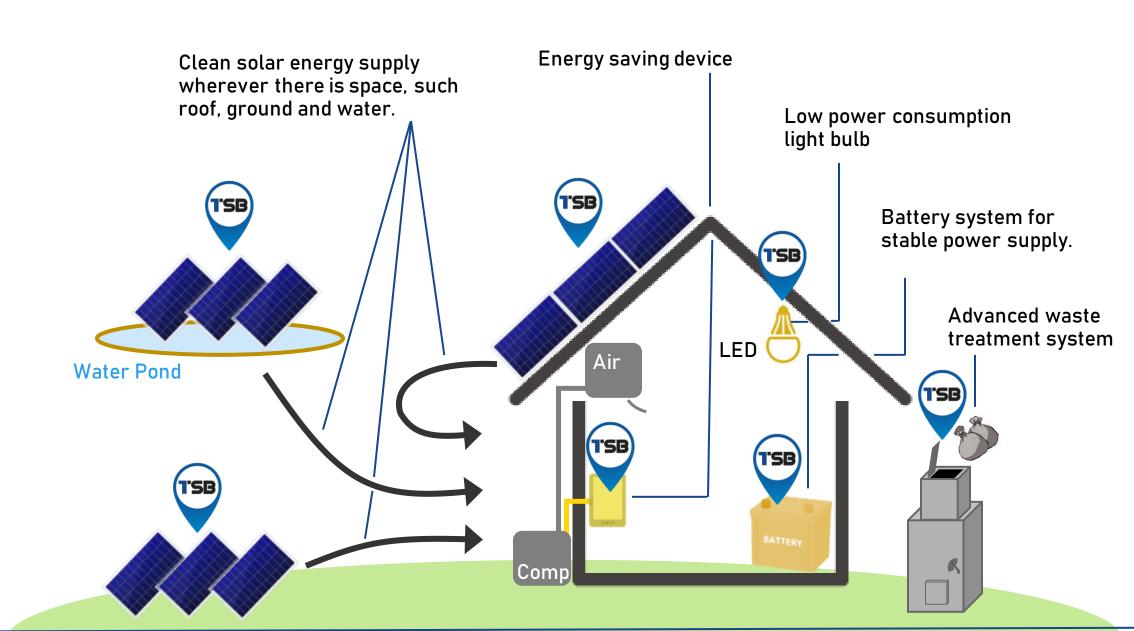
TPG stands for
TSB Power Generation,
and utilizing our cutting edge
clean power solution,
we are expanding more
and further cleaner
solution in Lao.



Solar power team

at TSB Bangkok.

Clean Proposal examples from TSB



TSB Proposal – 1 **PV Power Generation Anywhere**

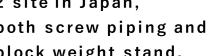
We have expanded PV power supply business widely, With a motto of local production for local consumption

· On the Roof

7 site in Japan, such on the warehouse, factory and public structure



2 site in Japan, both screw piping and block weight stand.



On the Water

1 site each in Thailand and Lao. Floating PV system is relatively new, and challenging. However, there is enormous advantage, such higher output efficiency, land utilization and water saving.















TSB Proposal – 2 Effective Power use

PV power is good resource but not perfect.
We propose less power consumption device and power storage device.

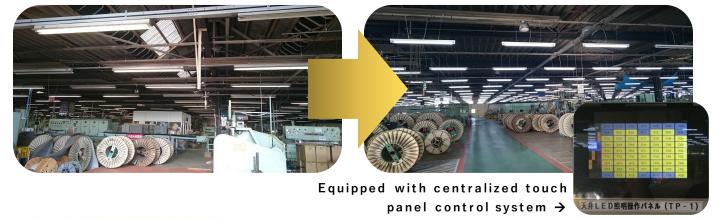
• LED lightning

TSB's proposing high efficiency LED lightning supporting factory in Japan

• Energy Saving device Introducing IoT to Air conditioning system for less power use and monitoring.

Power storage







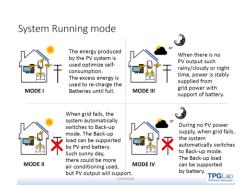
Demand control system monitor Air-conditioning system, refrigerator and freezer to control compressor movement without impacting actual atmosphere temperature, which enables power consumption saving $15\%\!\sim\!20\%.$

The monitoring system also visualize CO2 emission.

This system is widely used more than 5,000set in Japan. This service is available with zero investment.

Installation of Battery system to support power during electricity shut down.

By building system together with Photovoltaic power, it enable continuous work operation at job site.



TSB Proposal – 3 Alternative proposal

TSB's Eco-solution division born for saving future living.
TSB's origin is THINK at customer perspective.

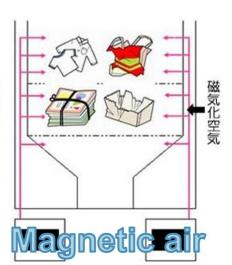
Our proposal is expanding at infinity.

Waste management

Any Waste









and



Size Weight

: W1,800(W) \times 1,800(D) \times 3,200(H)

: 1,500kg

Treatment Capacity

Capacity : \sim 2,000kg / day

or \sim 465bags (around 5 m^3) / day

Reduction: $2t \rightarrow 10kg / day$

Amount reducing to approx. 1/300.

Every waste material could be dump in the machine, and the machine decompose molecular bonds.

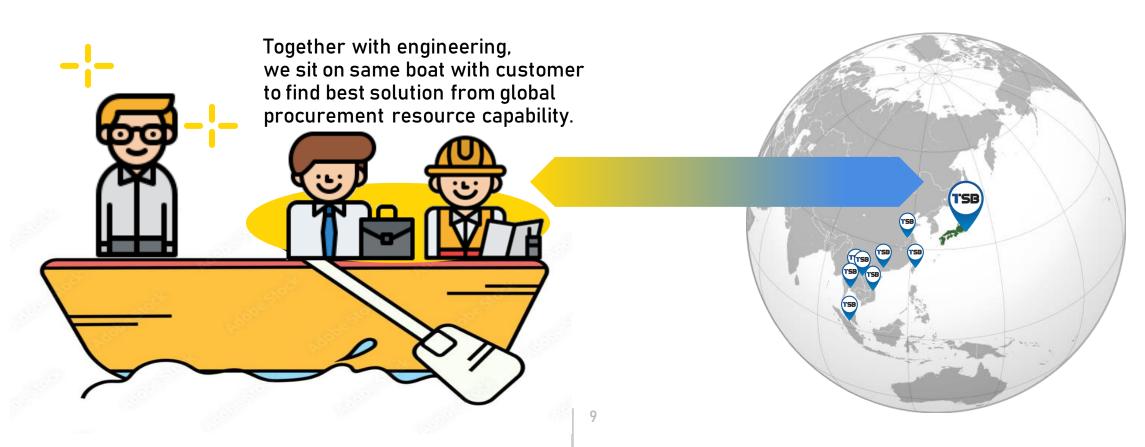
Eventually, all organic waste change to ash.

Non organic iron and glass will be left as it is, and could be recycle.

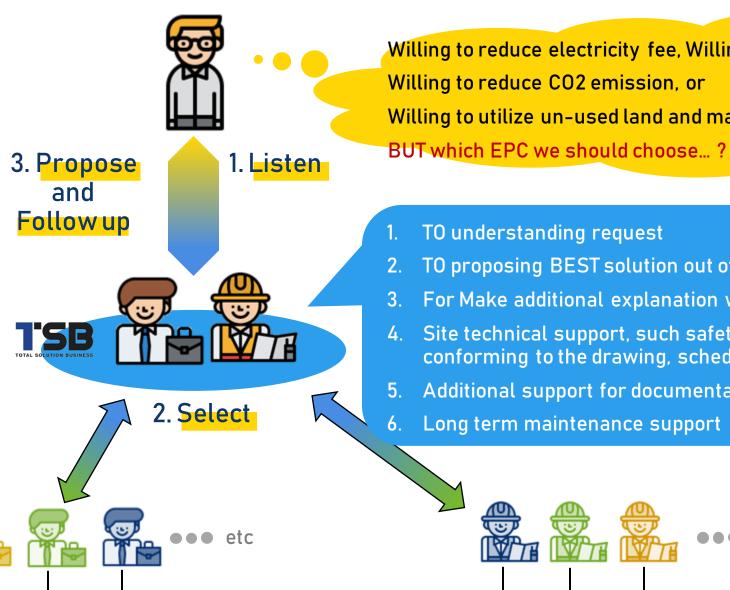
STRONGNESS at TSB

WORK in LOCAL

TSB is not an equipment manufacturer. We are a customer-centric technical trading company that creates solutions following each issues and proactively prevents pre and post-installation issues.



STRONGNESS at TSB



Willing to reduce electricity fee, Willing to stabilize power supply Willing to reduce CO2 emission, or

Willing to utilize un-used land and make additional income... etc

- TO understanding request
- TO proposing BEST solution out of multiple local resource
- For Make additional explanation with Japanese language
- Site technical support, such safety, confirm for the correct tool use conforming to the drawing, schedule follow up
- Additional support for documentation.
- Long term maintenance support



Large constructor

Small local constructor

Page. Small local constructor

Equipment match to large project

Equipment match to small project

Special material from oversea

Company information

Company	TPG Lao Co., Ltd
Establishment	Sep, 2017
Capital	•300k USD
Business	 Power generation PV installation, maintenance Clean energy proposal Energy related material procurement and installation Consultant for CO2 reduction proposal
Location	Ban Nongheo and Nahai Hatxayfong Vientiane Lao PDR.
Worker	8 staff

Contact



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(Inthila Vongkhamchanh)