



How Do Renewable Energy Certificates (RECs) Work?

 ***Reduce Your Scope 2 Carbon Emissions***

 ***Reach Your Renewable Energy Goals!***

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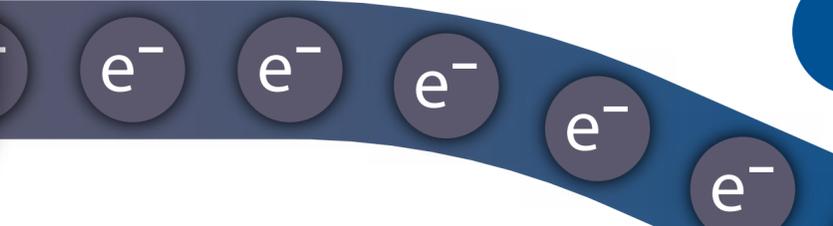
The Energy Problem

Electricity is produced from both green & grey sources. When it is fed into the grid & distributed, each electron is indistinguishable.

Fossil Energy

(Grey Energy)

- ▣ Fossil ▣ Oil
- ▣ Gas ▣ Coal



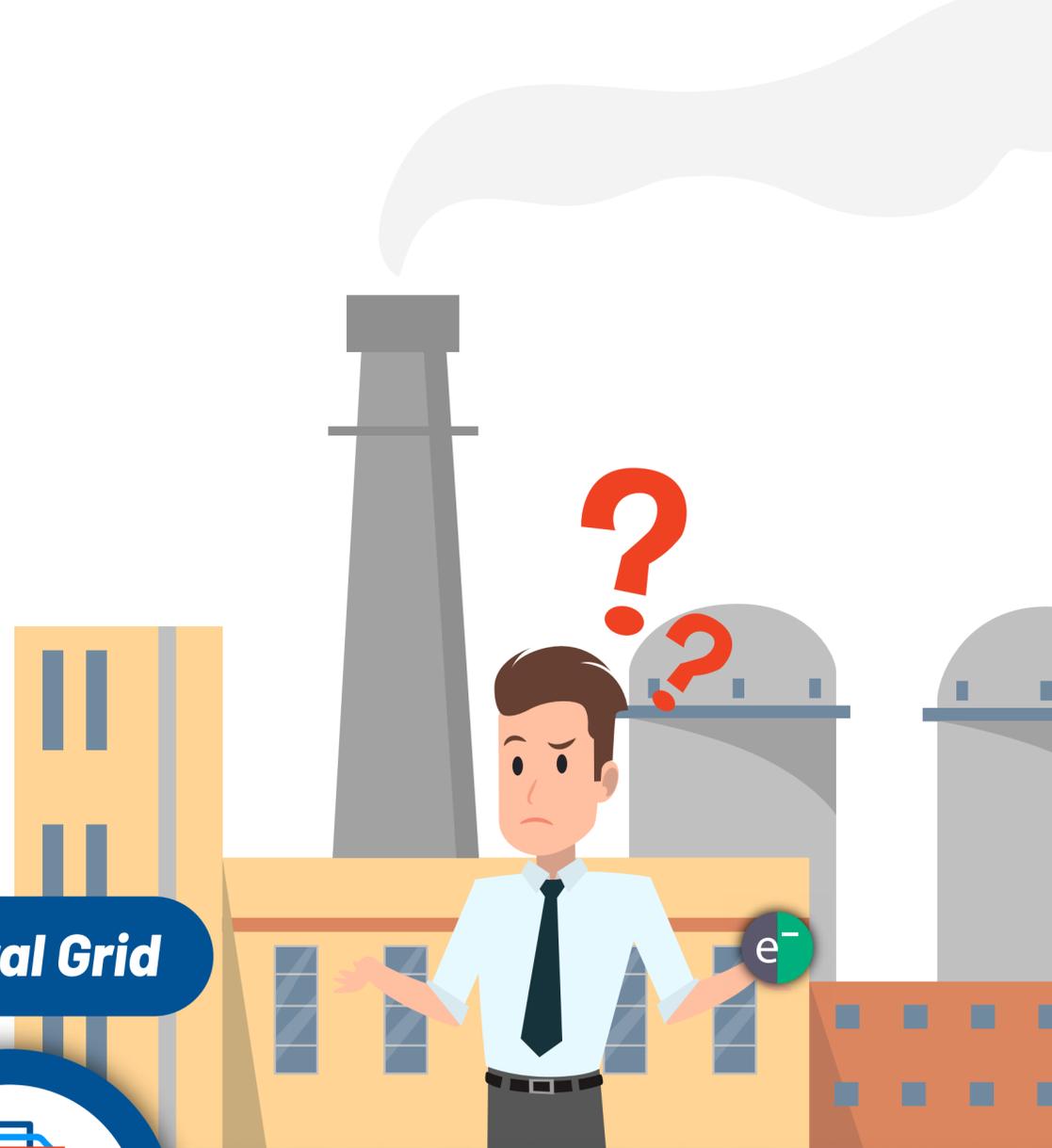
Renewable Energy

(Green Energy)

- ▣ Solar ▣ Hydropower
- ▣ Wind ▣ Biomass



Central Grid



There is no way for electricity consumers to track 'green' or 'grey' electrons through the central grid.

Clean Your Energy Source with REC

Renewable Energy



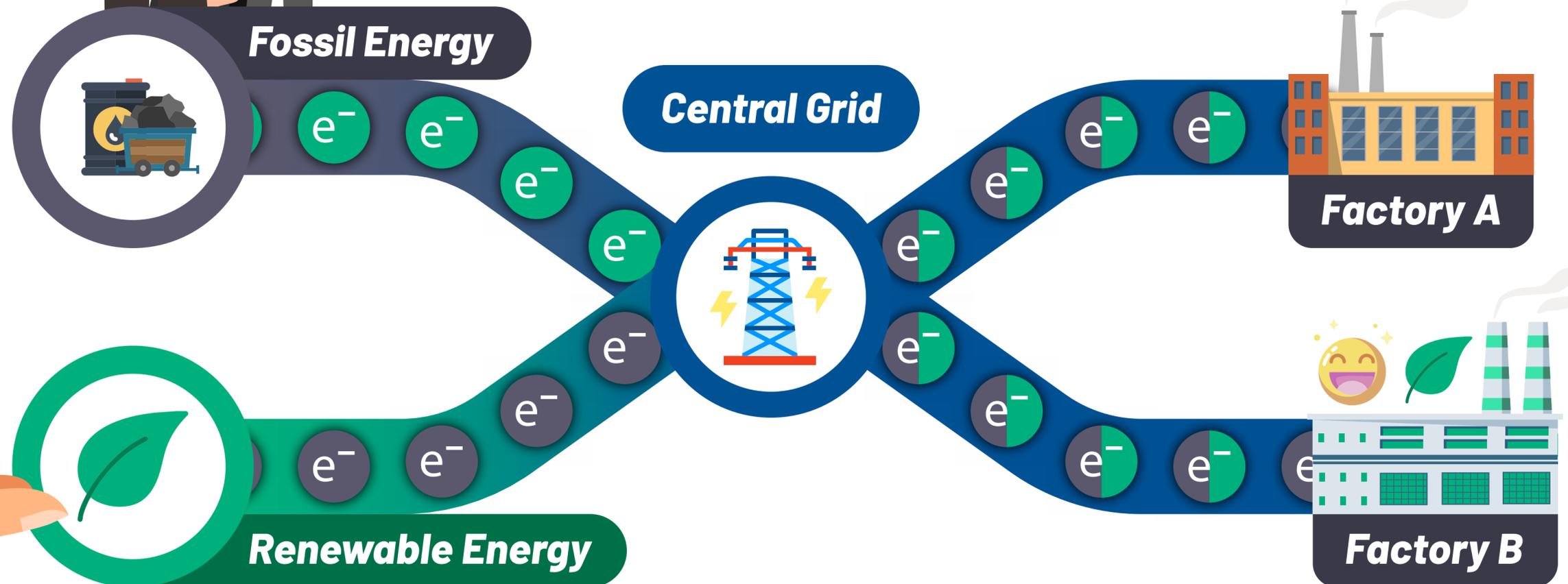
Certificate



RECs



While electron source cannot be backtracked, your company can purchase a REC (Renewable Energy Certificate) to track the green attributes of renewable energy.



Fossil Energy

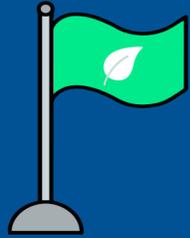
Central Grid

Factory A

Renewable Energy

Factory B

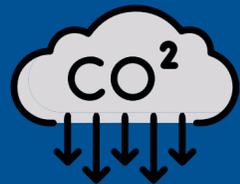
The Benefits from REC



Accredited by International REC Standard, acknowledged by Greenhouse Gas Protocol, SBT, ISO and RE100



Official legal instrument, sold by authorized REC broker.



Reduces your greenhouse gas emissions from electricity.

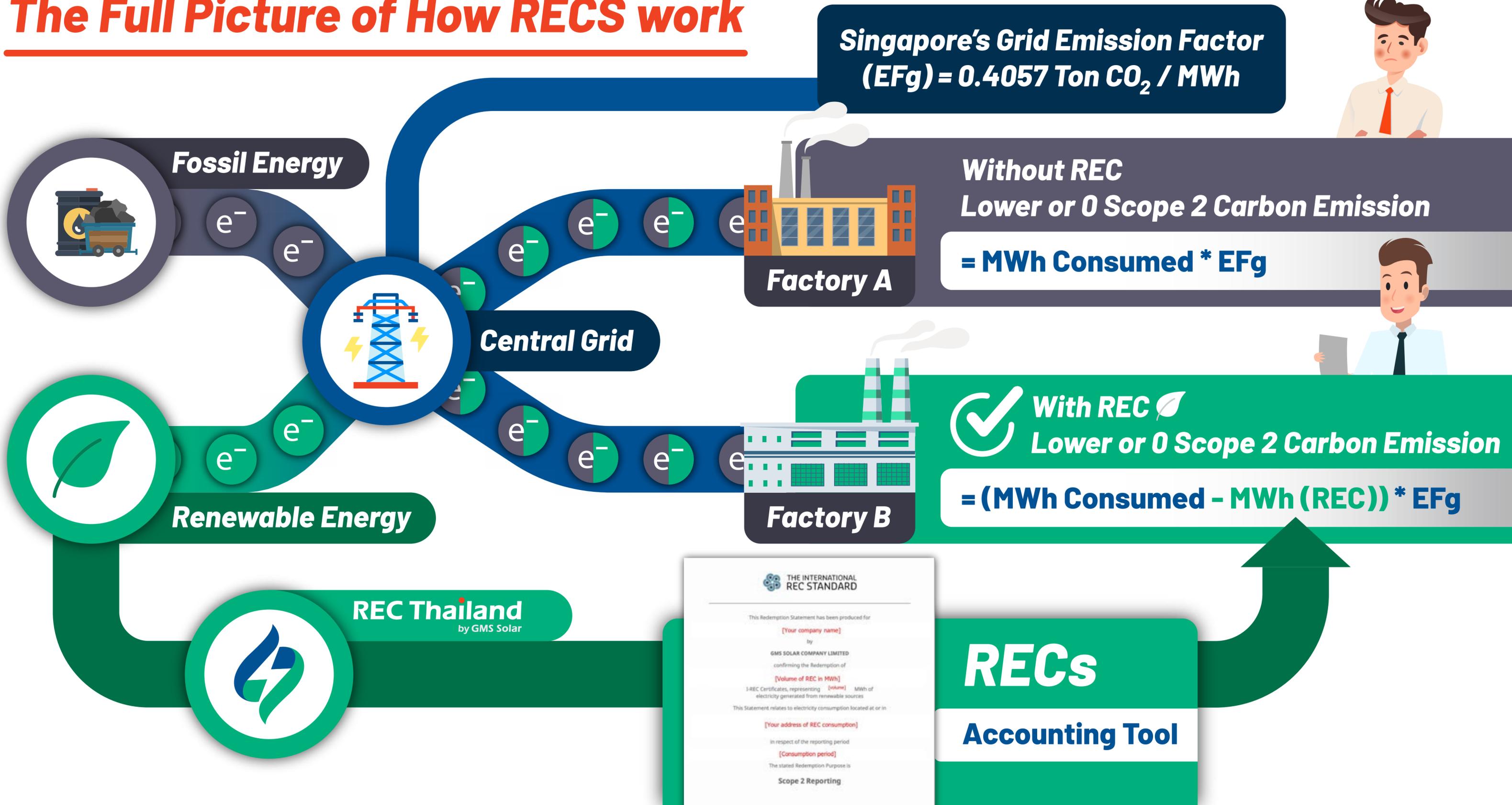


No additional equipment or installation required

**Not sure how to start?
REC Thailand can easily onboard you with our specialised team!**



The Full Picture of How RECS work



A Very Simple Summary on RECs

Renewable electricity generation produces 2 distinct market commodities:



1

Electricity

physical asset sold through grid

For 100% renewable energy,
purchase REC equivalent to
MWH consumed.



2

RECs

intangible assets sold through certificates



This Redemption Statement has been produced for

[Your company name]

by

GMS SOLAR COMPANY LIMITED

confirming the Redemption of

[Volume of REC in MWh]

I-REC Certificates, representing [volume] MWh of
electricity generated from renewable sources

This Statement relates to electricity consumption located at or in

[Your address of REC consumption]

in respect of the reporting period

[Consumption period]

The stated Redemption Purpose is

Scope 2 Reporting

Ev.



GMS Solar

REC Thailand
by GMS Solar

So How Do I Claim the REC?

REC allows your company to make claim about your electricity usage, and reduction in greenhouse gas emissions from electricity. This can be in your:

**ESG
Report**

**Sustainability
Report**

**Publication &
Press**

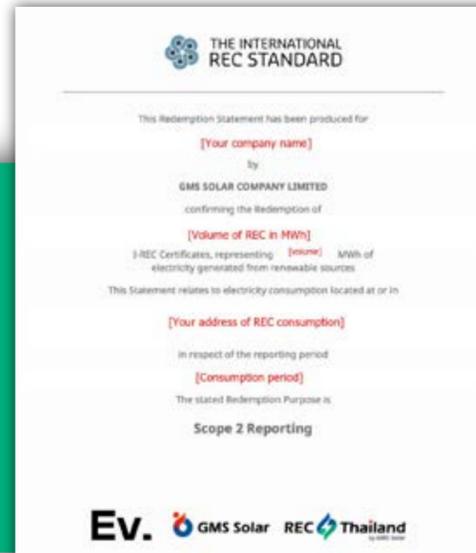
**Sales
Material**



SGX
SINGAPORE EXCHANGE

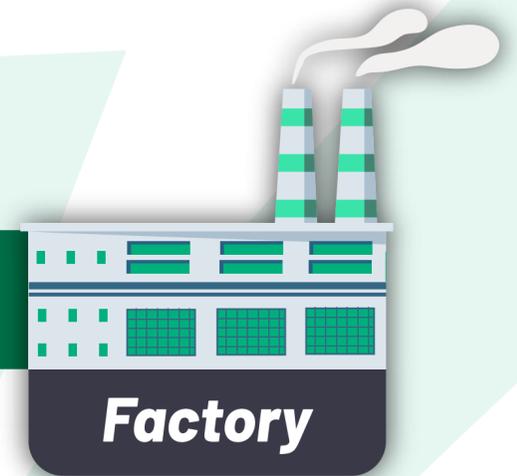
Guide to
Sustainability Reporting
for Listed Companies

Sample claims of Using REC

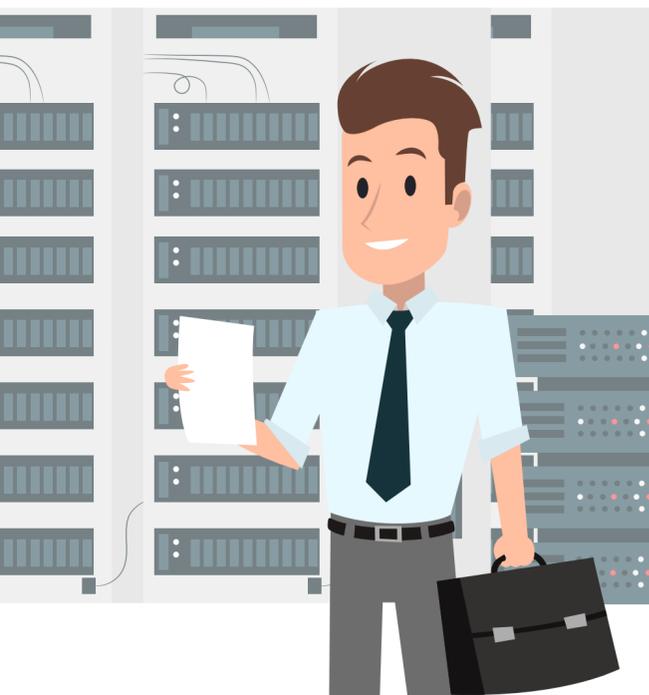


RECs

Accounting Tool



Example of Claims



Our data center is powered by

100%
Solar Power



Our products are made with

80%
Wind Energy



Our global electricity usage causes

0 Scope 2 Emission

Which Technology is Best For My Company?

Solar & Wind



For companies who are aligned with RE100 or aim to meet the highest benchmark

GMS advise exploring due to their endorsement by RE100

Relatively higher cost

Biomass & Hydropower



For companies seeking REC but aren't presently following RE100 guidelines

GMS recommends exploring due to sustainability benefits that are cost-effective

Relatively lower cost

What are Our Available RECs?



Technology	Location	Vintage
 Solar	Thailand	2022
 Solar	Thailand	2023
 Solar	Thailand	2024
 Wind	Thailand	2023
 Hydropower	Thailand	2022
 Hydropower	Thailand	2023
 Hydropower	Thailand	2024
 Biomass / Waste to Energy	Thailand	2022
 Biomass / Waste to Energy	Thailand	2023
 Biomass / Waste to Energy	Thailand	2024
 Solar	Vietnam	2021
 Solar	Vietnam	2022
 Solar	Vietnam	2023

For Inquiries, Reach Out to Us:



www.recthailand.com

REC Thailand, a service brand under GMS Solar, is a trusted broker, trader, and aggregator of Renewable Energy Certificates (RECs) in Thailand.



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Managing Director



**Karnsiree
Chaisrirattanakul**
Business Development
Director



THE INTERNATIONAL
REC STANDARD

**Authorized
I-REC
in Thailand**

**Professional &
Dependable
Service**

**Realtime Industry
Expert Consulting**