




# ***How Do Renewable Energy Certificates (RECs) Work?***

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

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

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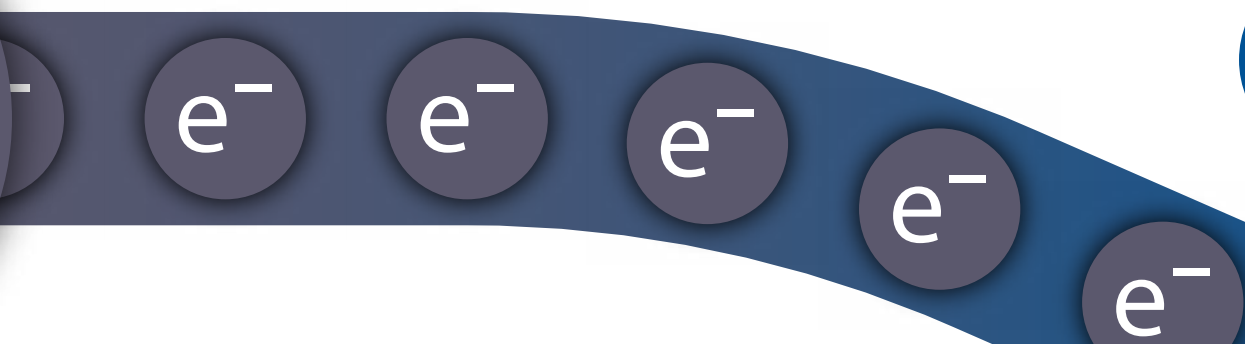
# The Energy Problem

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



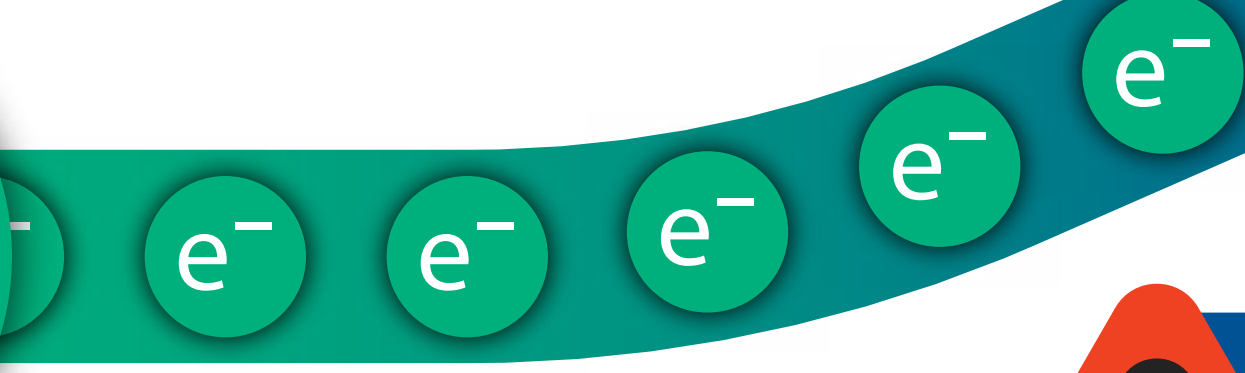
Central Grid



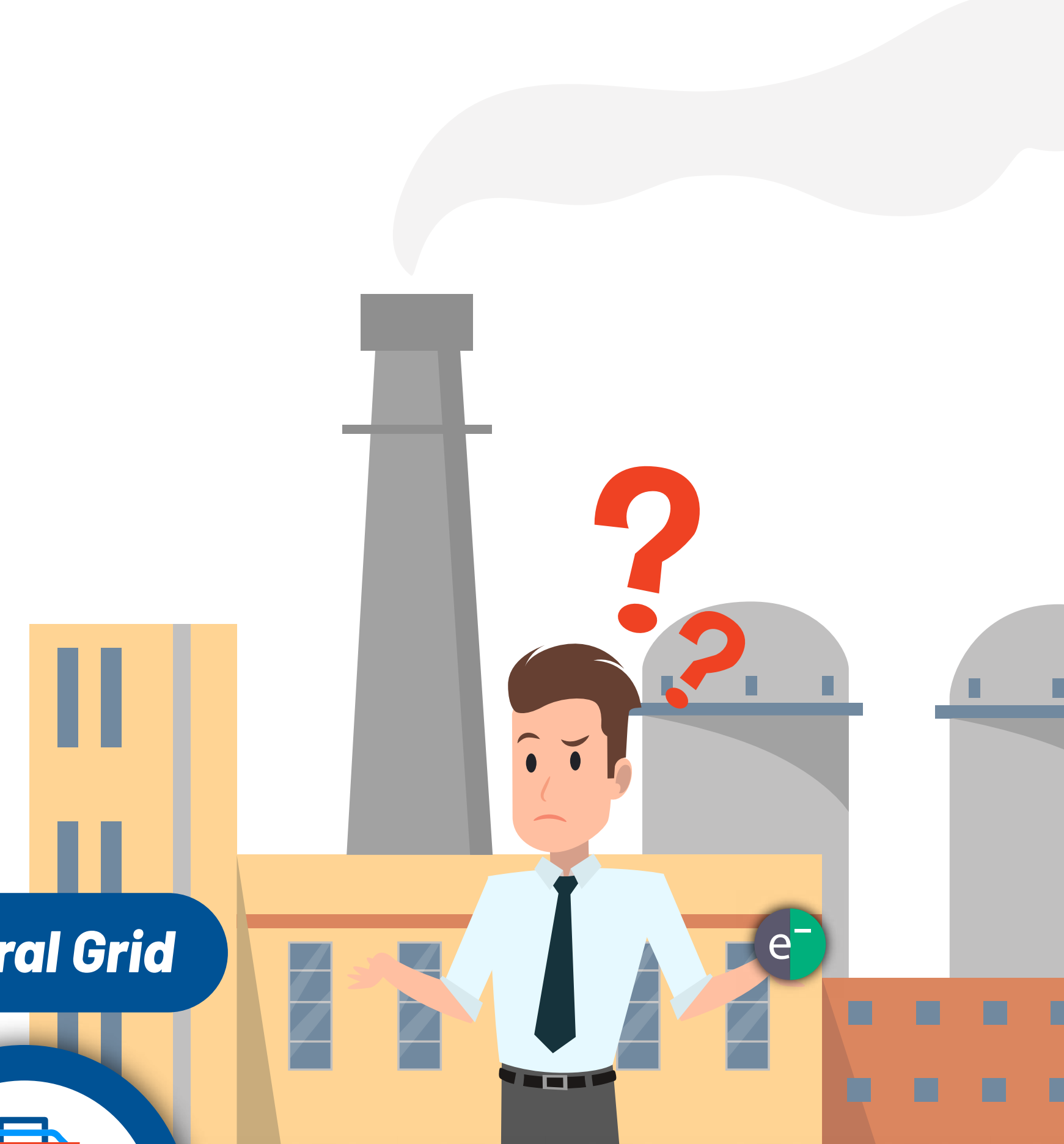
## Renewable Energy

(Green Energy)

- ▣ Solar    ▣ Hydropower
- ▣ Wind    ▣ Biomass



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



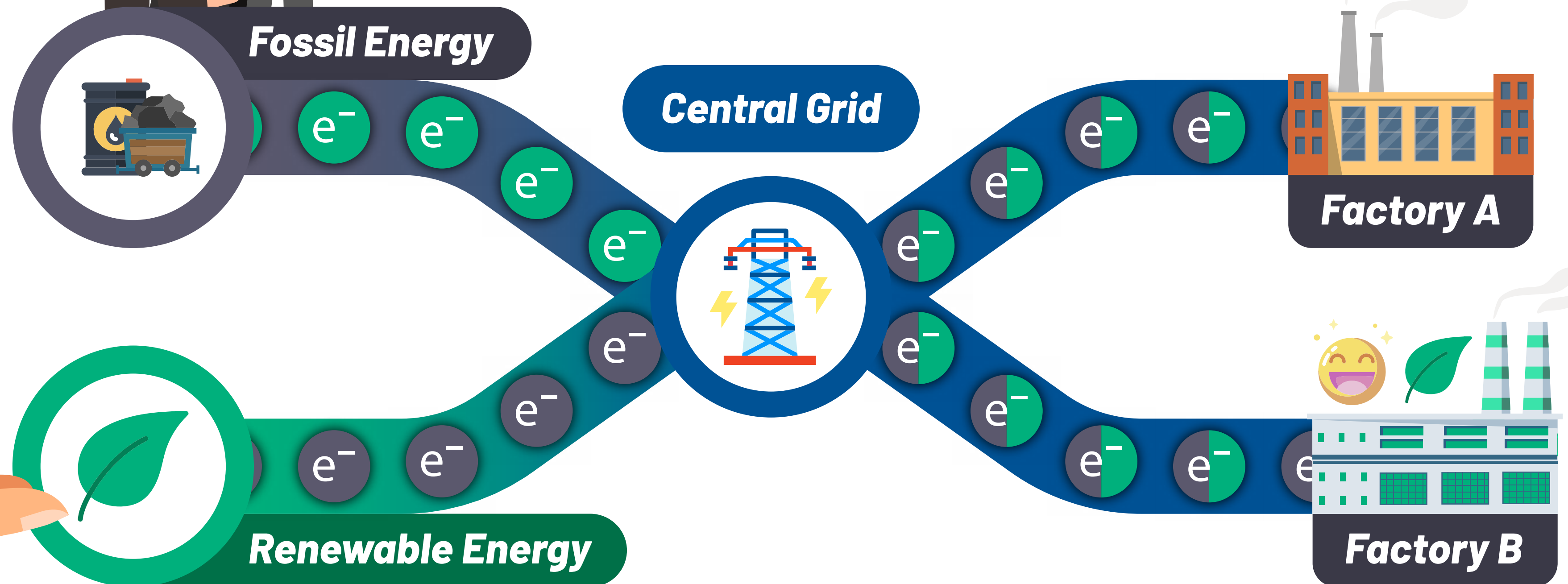
Certificate



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

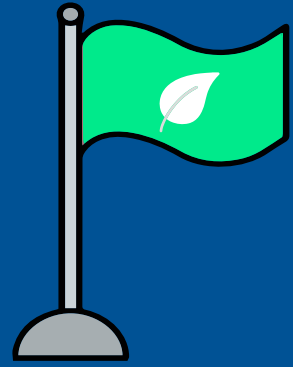
Factory A

Renewable Energy

Factory B

# ***The Benefits from REC***

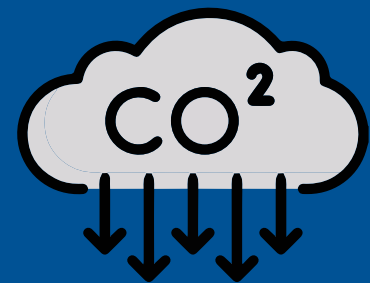
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**Accredited by International REC Standard, acknowledged by Greenhouse Gas Protocol, SBT, ISO and RE100**



**Official legal instrument, sold by authorized REC broker.**

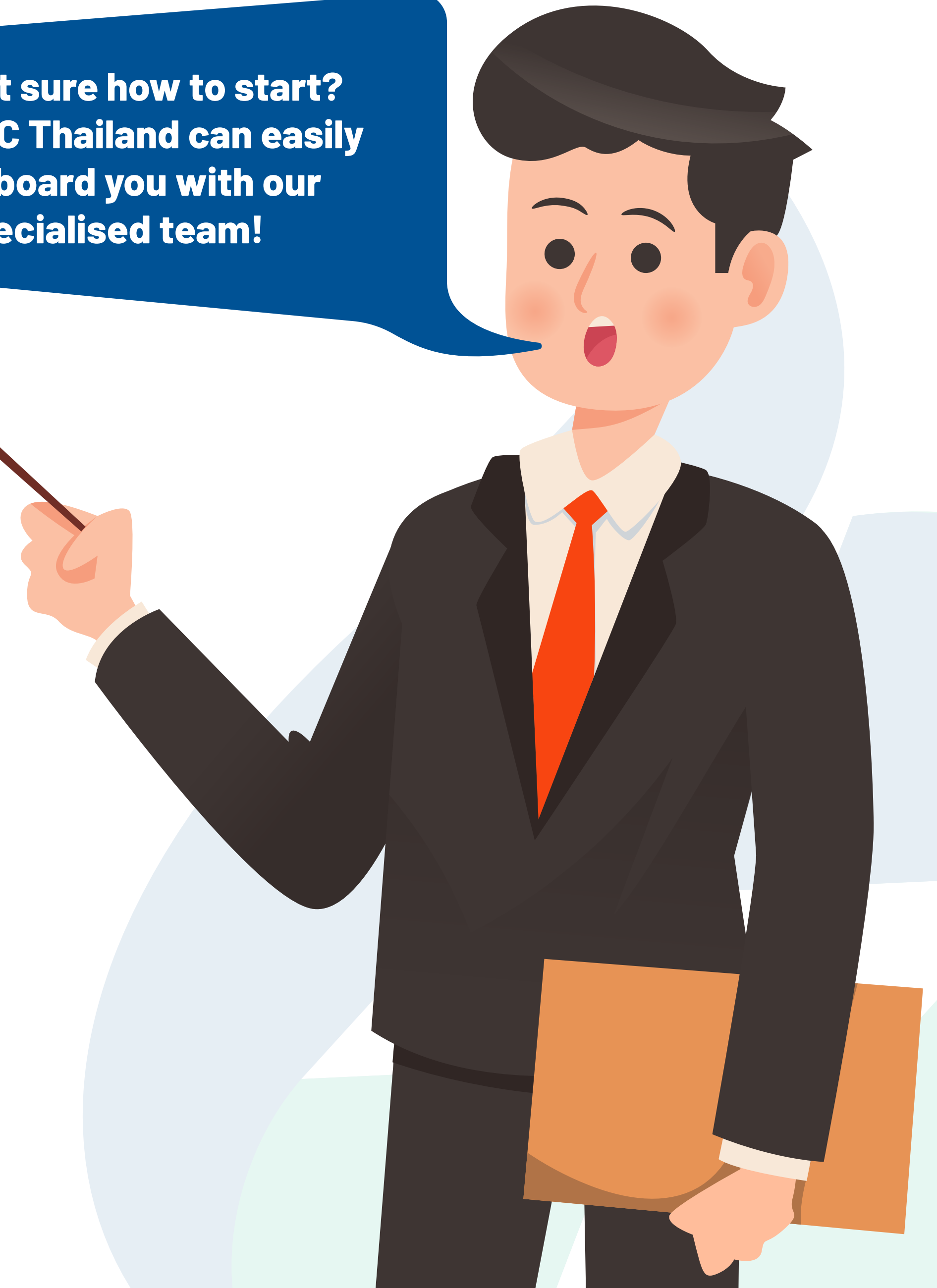


**Reduces your greenhouse gas emissions from electricity.**

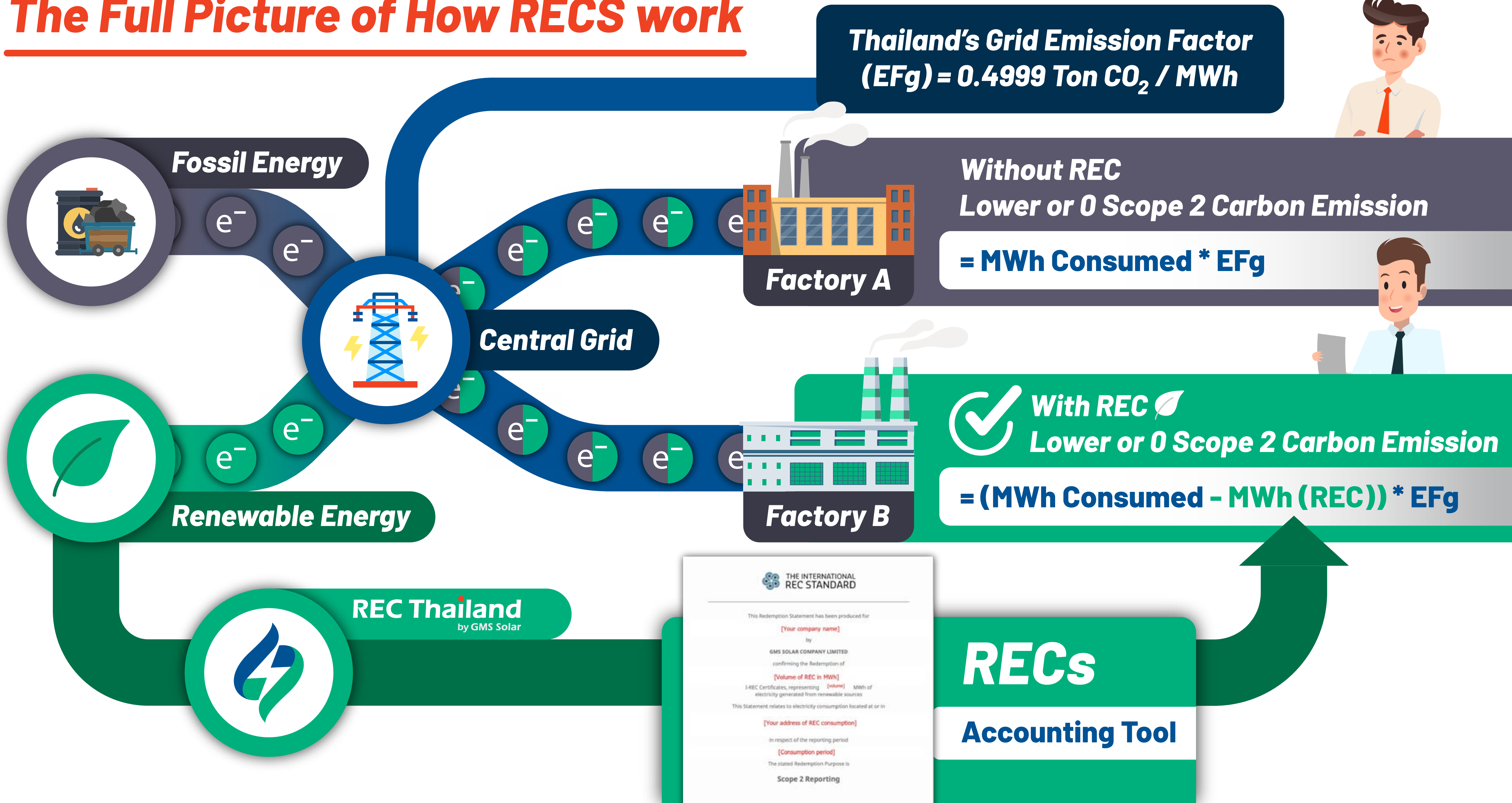


**No additional equipment or installation required**

**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**

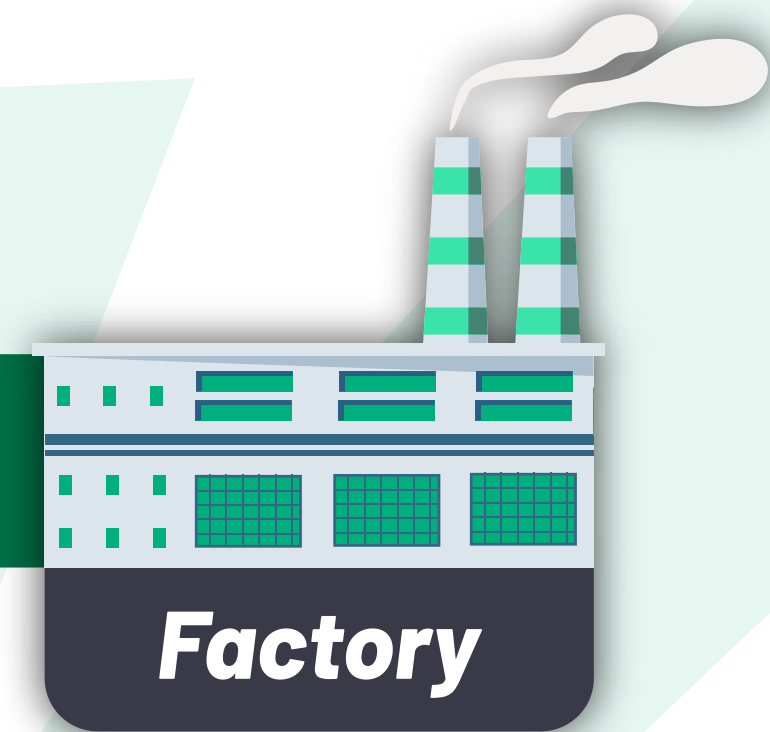
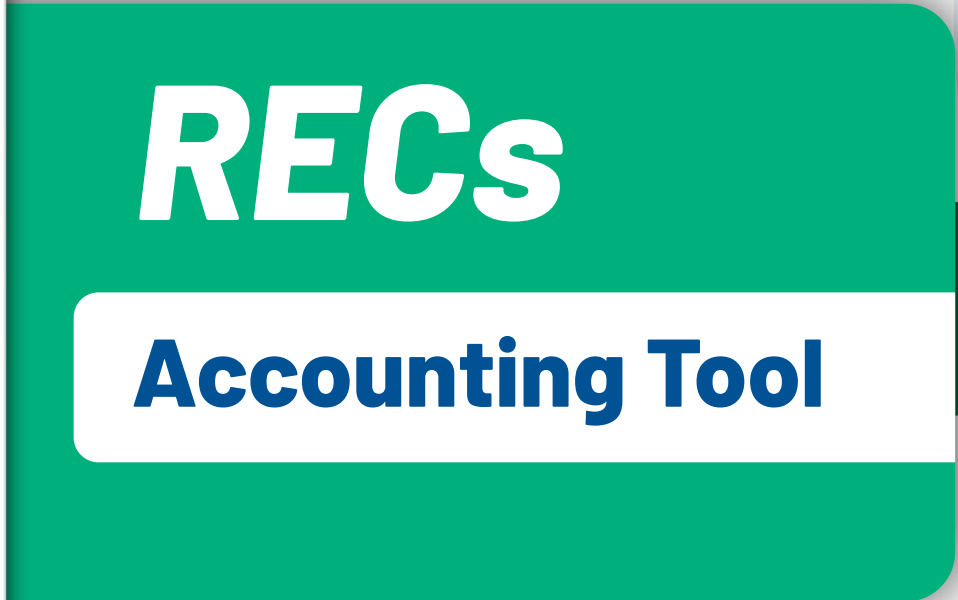
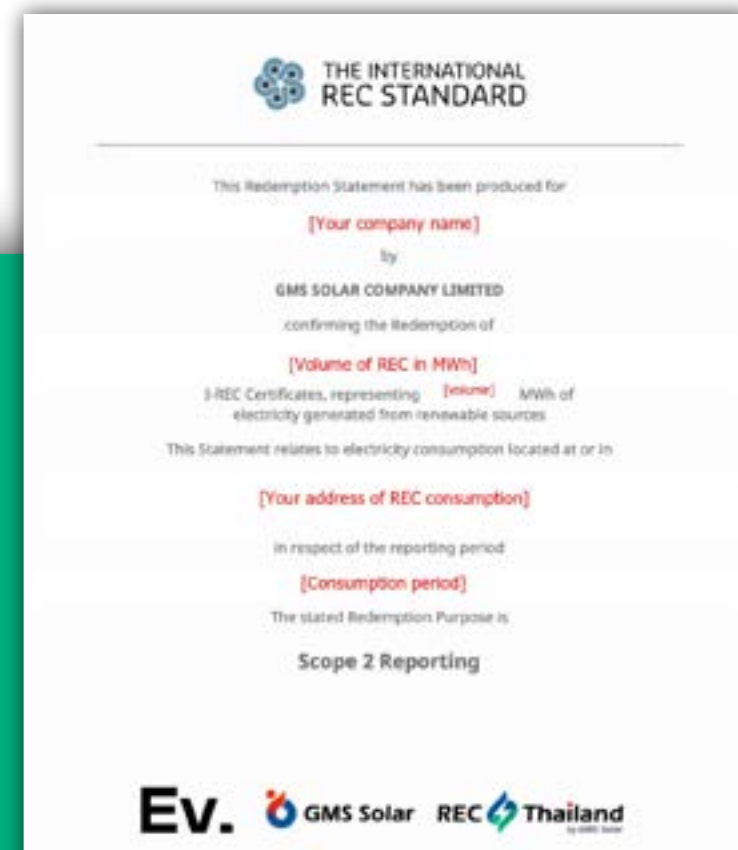
**Sales  
Material**



**SGX**  
SINGAPORE EXCHANGE

Guide to  
Sustainability Reporting  
for Listed Companies

# Sample claims of Using REC



## 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](http://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**