



**Global Energy Alliance
for People and Planet**
GEAPP

Caribbean Aggregation Procurement Programme for Renewable Energy (RE) and Battery Energy Storage System (BESS)

3 October, 2025



PHOTO: Puerto Plata, Dominican Republic, The Caribbean
Source: Freepik

Introduction to RELP

Non-profit, independently funded by philanthropy to serve governments at no cost.

Former government officials (Argentina) with blended public and private sector experience.

Internationally recognised track record having implemented a programme that mobilised **US\$ 11Bn** in a very complex environment (RenovAr).

Determined to **help governments replicate success** in other developing countries in the areas of RE generation, BESS and grid infrastructure.

Focused on design & implementation of **competitive procurement programmes and de-risking tools to reduce risks**, attract competition and **reduce prices**.

Where we are



* IMF Resilience and Sustainability Trust countries

Introduction to GEAPP



Electricity powers human opportunity and economic growth.

Jobs, education, modern healthcare, thriving economies: In today's world, these all depend on affordable, reliable energy.

Yet, nearly 700 million people live without electricity and billions more live with access that is unaffordable or unreliable.

For lower- and middle-income countries, renewable energy represents an unparalleled route to economic growth, energy independence and security. But only a fifth of global clean energy investment goes to emerging markets and developing economies today.

No single organization can tackle these challenges alone. In the face of climate change, global instability and constrained funding, we urgently need **a bold new model of collaboration.**

The **Global Energy Alliance for People and Planet** was created for this moment.

OUR GOALS

- ◆ Reach **1 billion people** with clean energy
- ◆ Create or improve **150 million jobs**
- ◆ Avert **4 billion tons** of carbon emissions





BESS Consortium is a coalition of like-minded development partners with a goal to seed **~5GW BESS projects** across LMICs to catalyze a **~100 GW market by 2030**



BESS Consortium Targets by 2030...

5 GW

of BESS
deployed

30

countries
mobilized

\$350mn

concessional
capital deployed

...to catalyse a much larger **~100GW BESS market need**
across LMICs for RE integration



**BESS Consortium Partner
Members**



THE WORLD BANK



IDB



ADB



AFDB



AFDB



AFD



FMO



Markets we are active in today



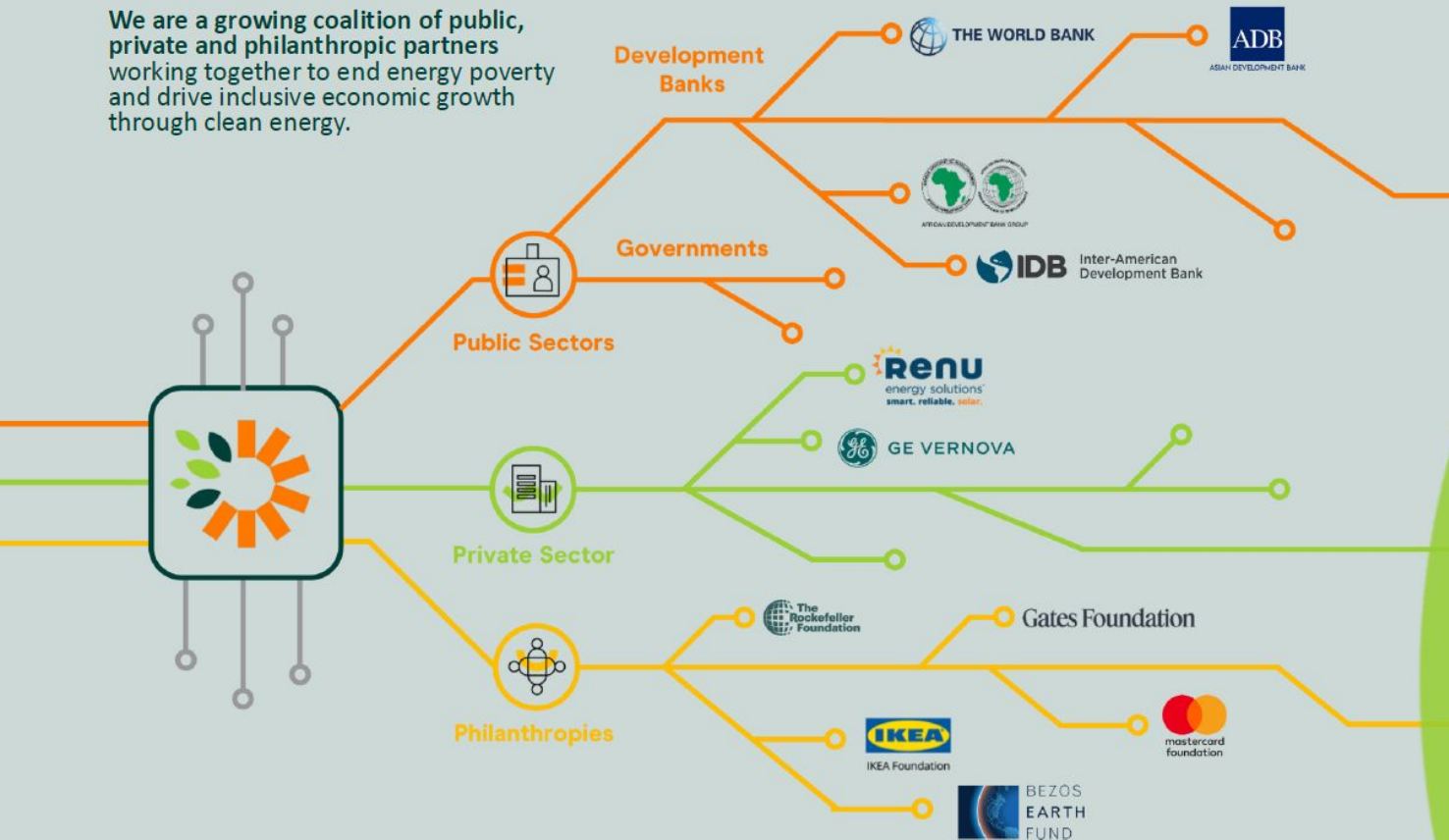
Project Pipeline under development

Under-implementation	150 MW
Early-stage Pipeline	1871 MW
Total	2021 MW

We are the Global Energy Alliance for People and Planet



We are a growing coalition of public, private and philanthropic partners working together to end energy poverty and drive inclusive economic growth through clean energy.



In our first three years, we supported 170 projects in 40 countries. Together, we are track to:

- Deliver affordable, reliable, clean electricity to **85 million people**
- Avoid **44 million tons** of carbon emissions
- Create or improve **2.5 million jobs**.

But this is just the beginning.

**Estimated figures. Data on our wider systemic impact will be released in September 2025*



The Caribbean

80%

**Powered by imported
fossil-fuels**

+50%

**Higher power rates
vs. Latam**

-50% *

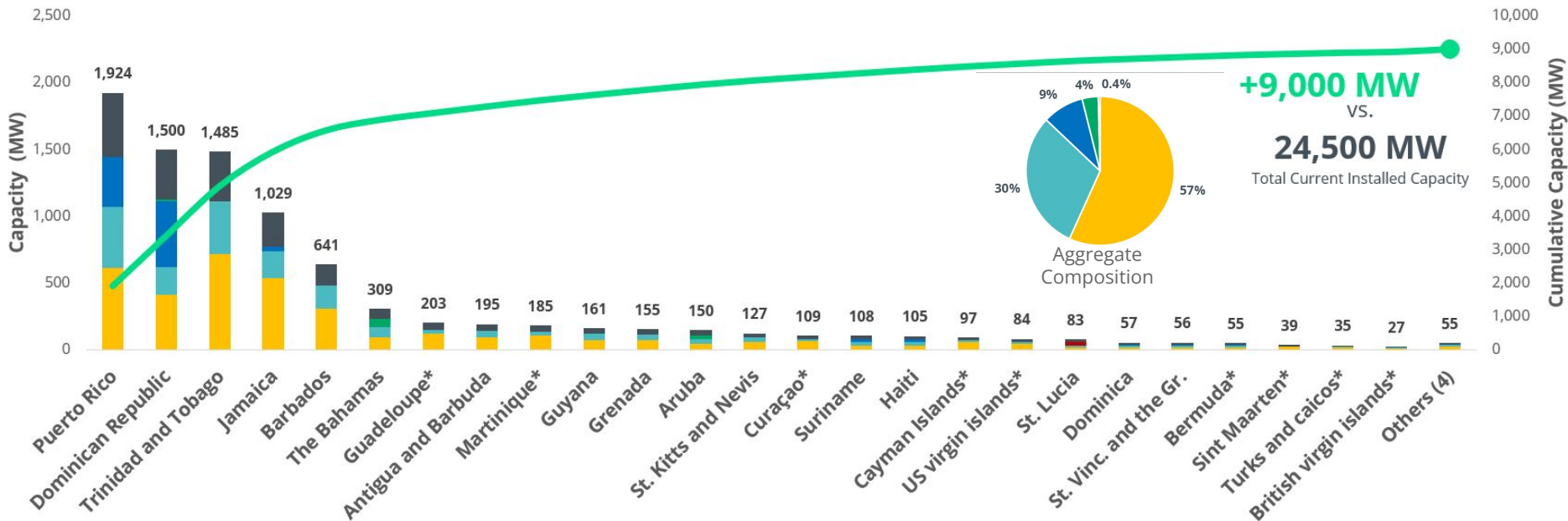
**Lower renewables
additions in the last 5
years vs. Global**

The Opportunity

29 Caribbean SIDS - GAP for 2030 targets

(base 2024 installed MW)

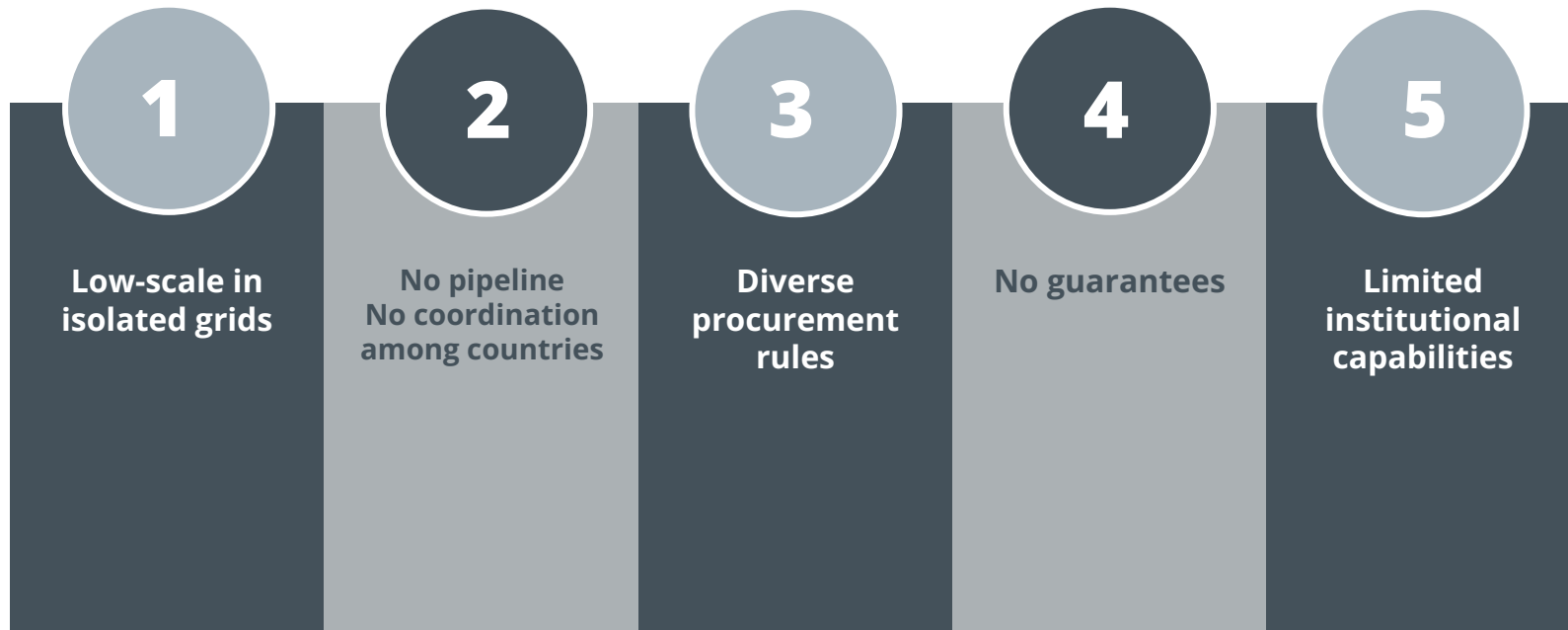
Solar Wind Hydro Bio Geo BESS** Cum. Gap



(*) Country w/o official target, estimated based on new demand covered 100% with renewables.

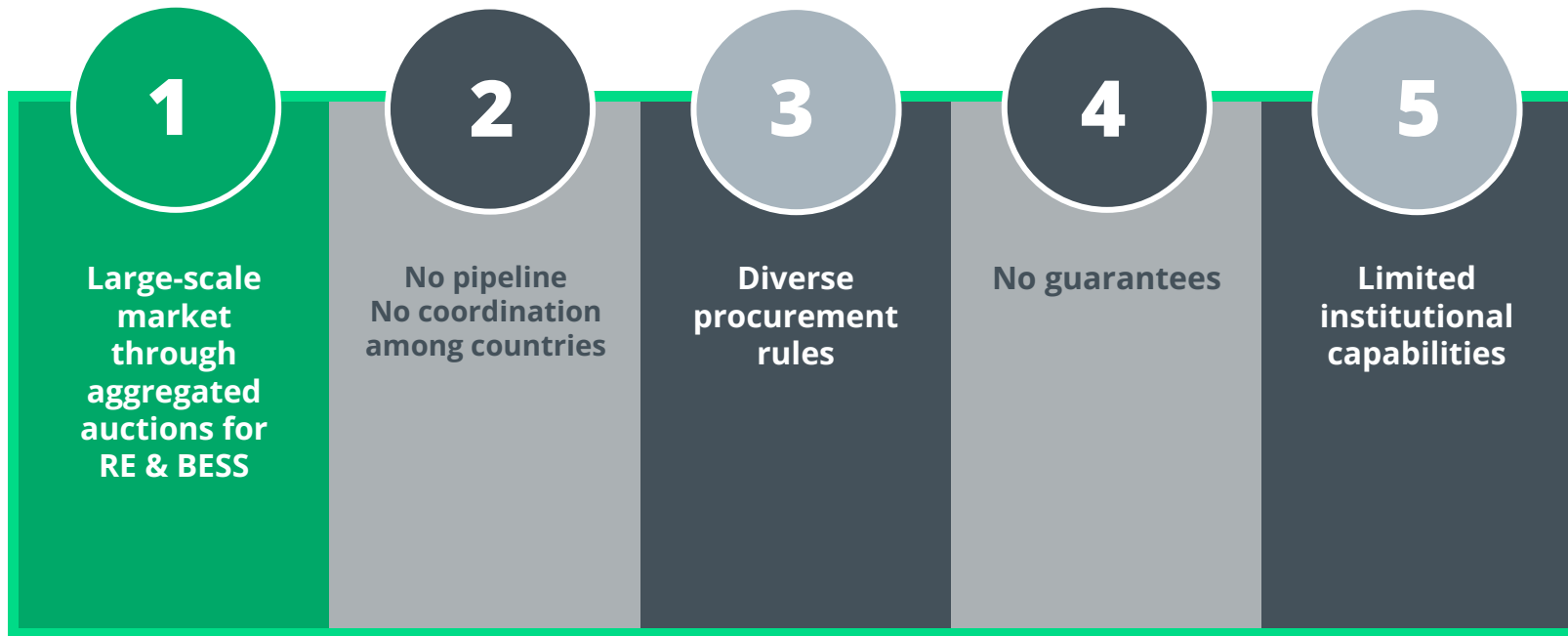
(**) Assumed Ratio of 1 MW BESS to each 3 MW of VRE.

The Problem





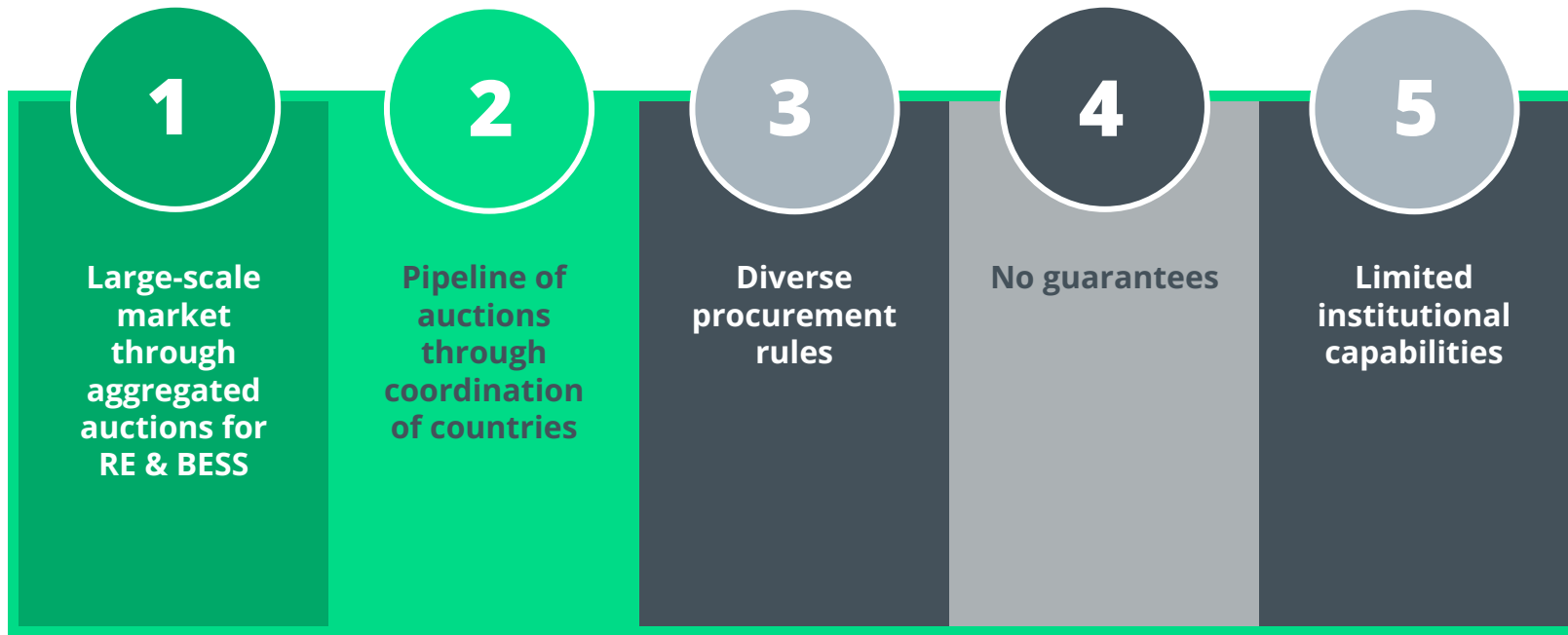
The Problem



The Solution



The Problem



The Solution



The Problem

1

Large-scale
market
through
aggregated
auctions for
RE & BESS

2

Pipeline of
auctions
through
coordination
of countries

3

Standardisation
to fit different
regulatory
requirements

4

No guarantees

5

Limited
institutional
capabilities

The Solution



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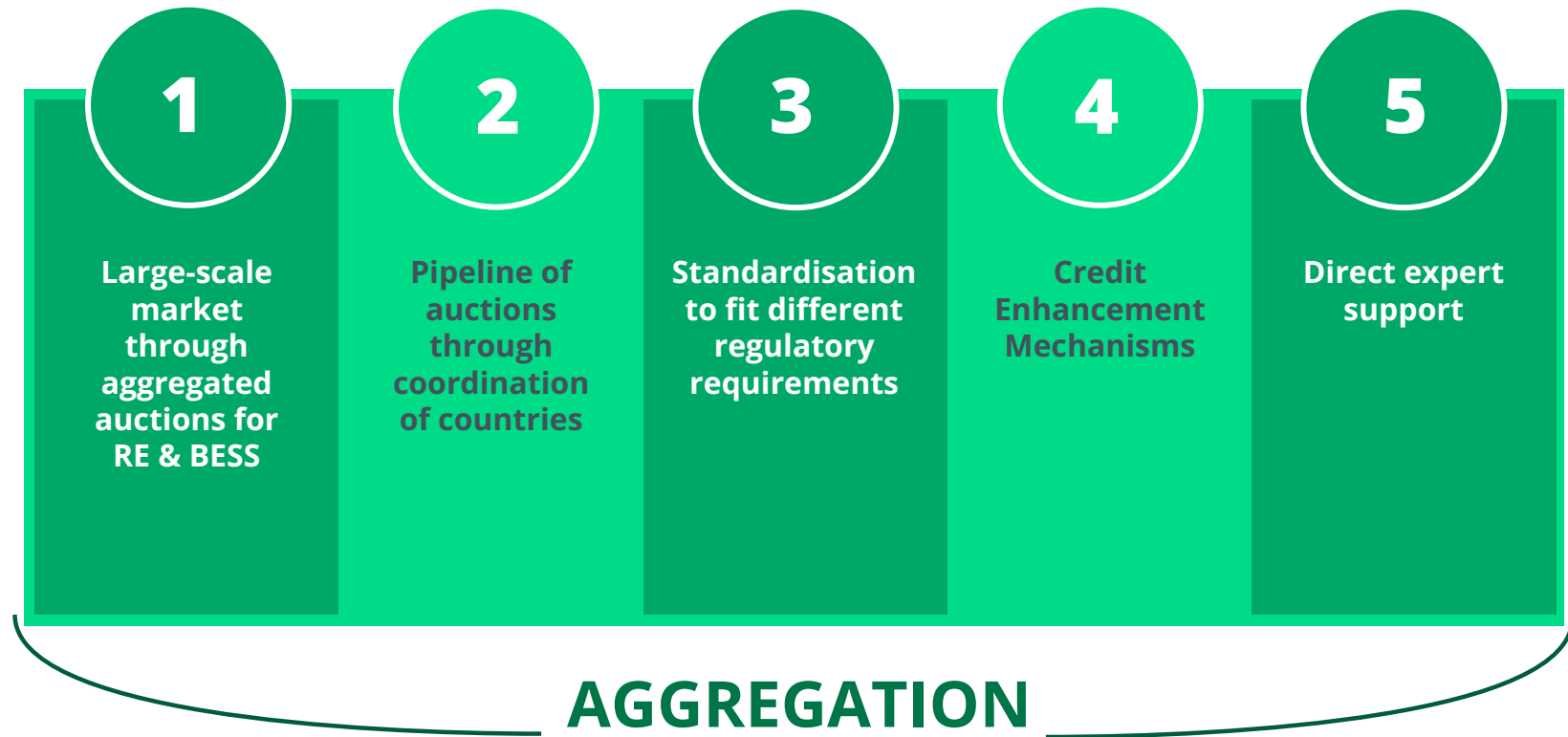
4

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5

Direct expert
support

The Solution



Expected Impact

FAST

RE + BESS
adoption

AGGREGATION SAVINGS

200M\$ per each
300MW

LIFETIME

9,000 MW Capacity

275 Mton CO₂ avoided

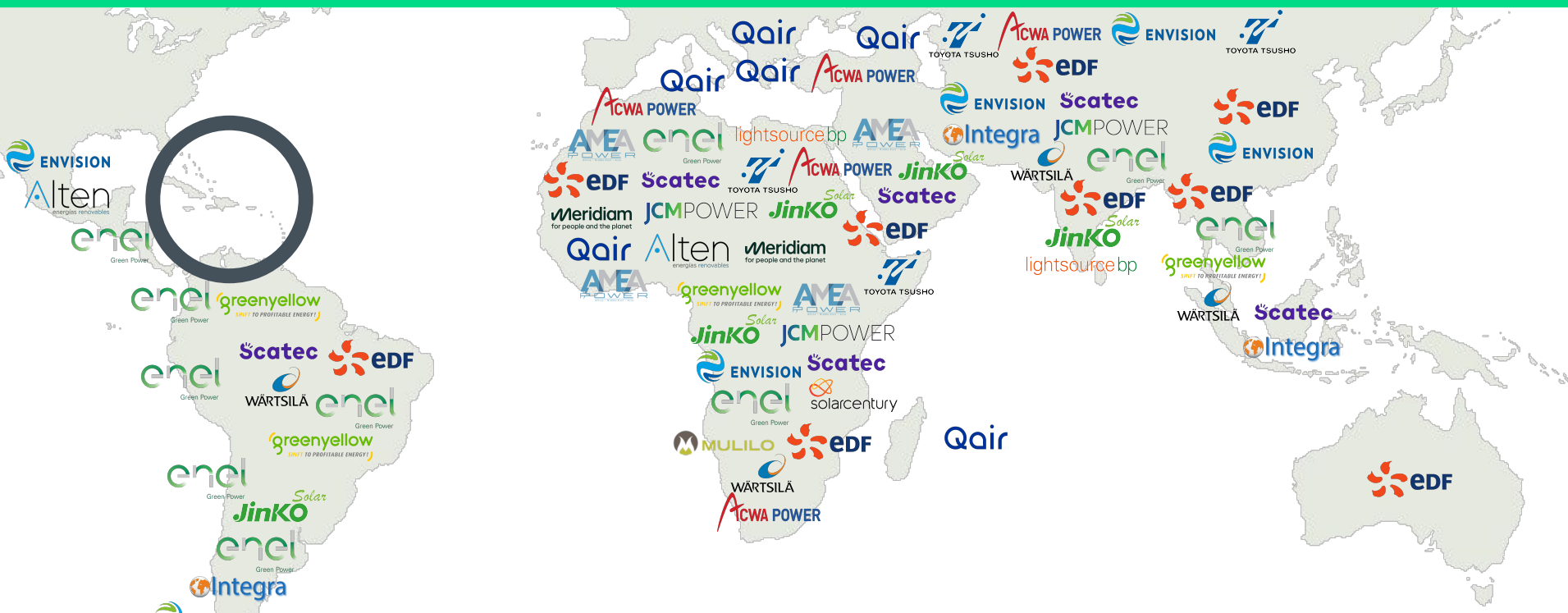
8,470 M\$ CAPEX

9,530 M\$ NPV10 Fuel savings

2,120 M\$ NPV10 Aggregation Savings

- Multiple big players bring the **lowest prices, fast implementation**, and **top-quality technology** if there is scale or potential long-term deployment.
- Well-structured, scalable, competitive procurements bring the **interest of main global actors**.

Potential Players



The Work Plan

Programme Design and Country Engagement

- Raise awareness and showcase the programme
- Secure political commitment from participating countries
- Conduct early risk and readiness assessments
- Sign Cooperation Agreements
- Set up regional office in Barbados

Standardisation

- Deep dive in RE/BESS and grid scenario of engaged countries
- Identify common features between regulatory frameworks of participating countries
- To obtain confirmation of common features to be included in the design of the standard contracts

Auction Design and Implementation

- Create standardised tender documents for the region to fit the participation of different countries
- Confirm country approval of standardised tender documents
- Showcase the programme and clarify bidders' doubts
- Support the launch of the procurement process

Potential Implementation Partners



PROGRESS TO DATE

- ✓ Already in 2 major markets in the region -successfully-
- ✓ Assessing pipeline of other countries
- ✓ Presenting the initiative to potential implementation partners
- ✓ Engaging political champion
- ✓ Multiple Big players waiting for a solution
- ✓ Skin-in-game, invested to date +1M\$

THANK YOU



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GEAPP

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BACKUP SLIDES

Aggregation Savings

- Over 150 rounds were analysed, in the majority of cases economies of scale were present within the round.
- Price reductions up to 30% were observed among different rounds (same technology, country, and same or close award year).

Country	Year	Small Projects		Year	Large Projects		Price Difference
		Average project size (MW)	Final avg price (Curr*/MWh)		Average project size (MW)	Final avg price (Curr*/MWh)	
Uzbekistan	2023	100	27	2023	220	18	-32%
South Africa	2017	5	1,037	2015	69.2	786	-24%
India	2015	20	6,937	2015	425	4,630	-33%
India	2015	79	5,485	2015	425	4,630	-16%
India	2015	150	5,080	2015	425	4,630	-9%
Kazakhstan	2018	7	23	2018	44	22	-3%

*National Currency