

Building Asia's Leading Renewable Energy Company.

G8-ENERGY.COM

Technology Leadership & Excellence in Offshore Renewable Energy Developments for both Wind & Solar



VISION

Global Leader in Offshore Renewable Energy through the development of next generation Zero-Carbon technologies



MISSION

To accelerate & Develop scalable offshore wind and floating solar infrastructures to support our Sustainable Future

AT A GLANCE

2015
Founded

Patent for MTB Technology
Global Patent pending for Hybrid Wind and solar

301%
2016-2019
Revenue CAGR

$2.5M
Cumulative R&D spend (S$million)

13.3
Annual Revenue* (S$million)

*Pre-COVID



3 GW
Projects Developing

>400
Orderbook (S$million)

IPO Mandate 2022

G8 REVENUE STREAMS - KEY INNOVATIVE SERVICES



Wind Pro



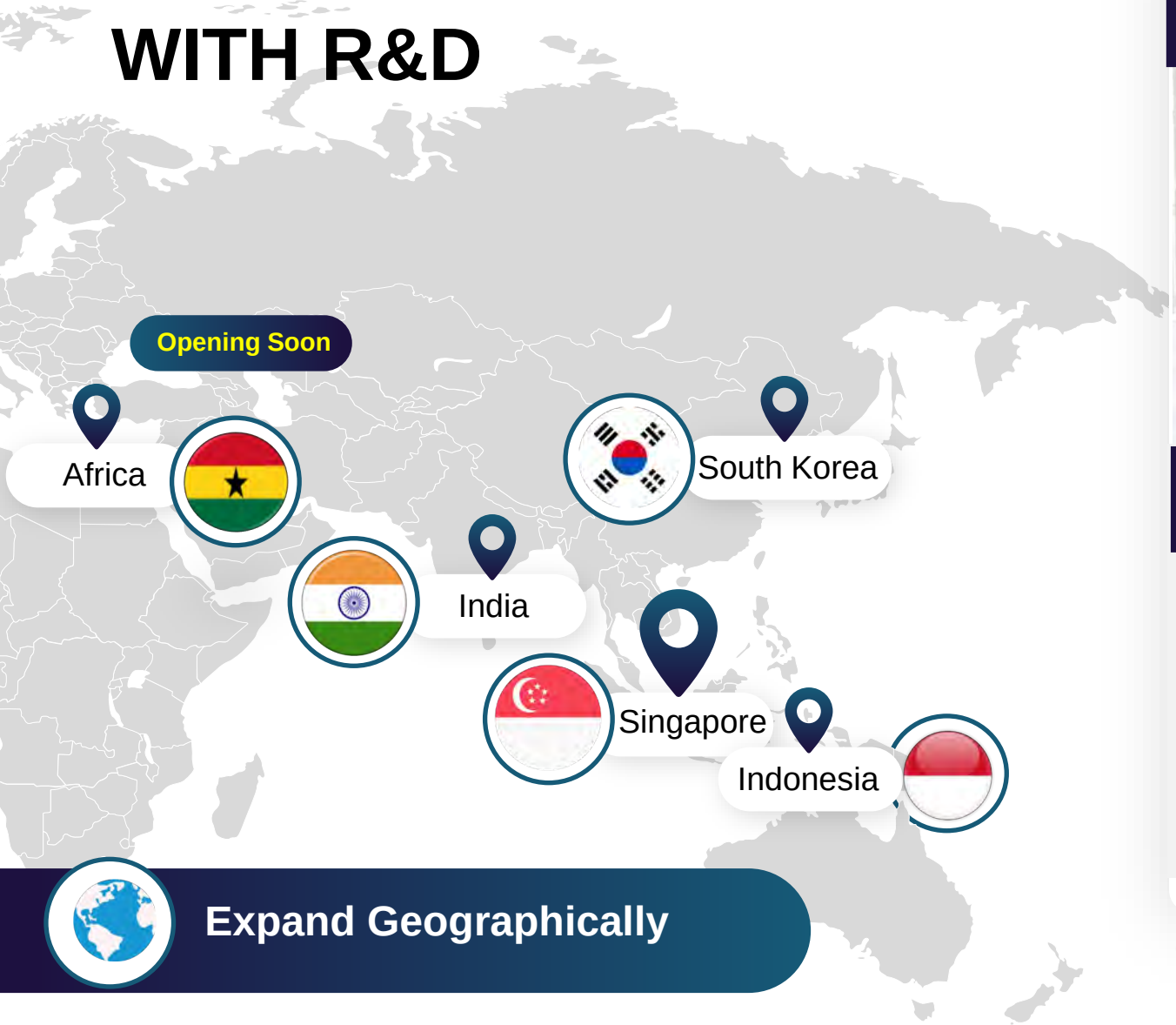
GW Solar



Cable Pro

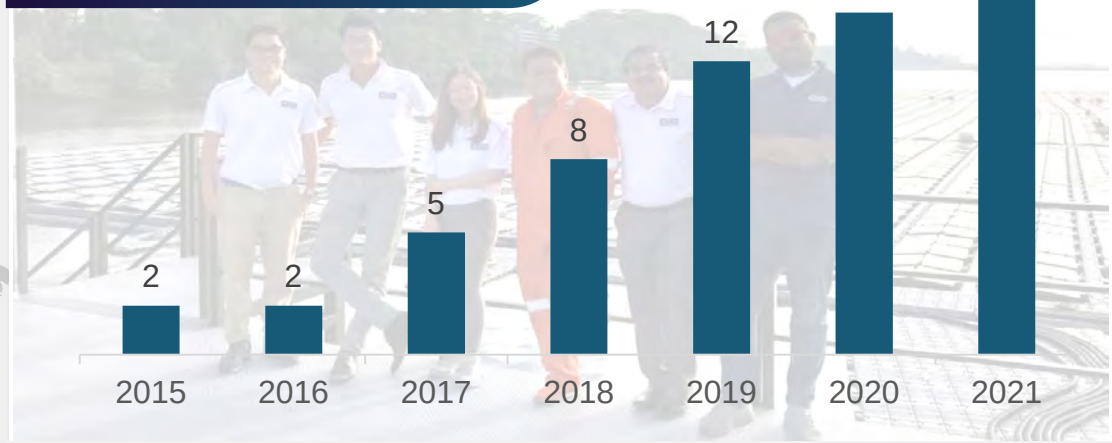
- **EPC, Engineering and construction revenue**
- **Project Development Profit**
- **Operation & Maintenance Service**
- **Sale of equity stake in G8 developed projects (Farm-down model)**

G8 REGIONAL EXPANSION WITH R&D

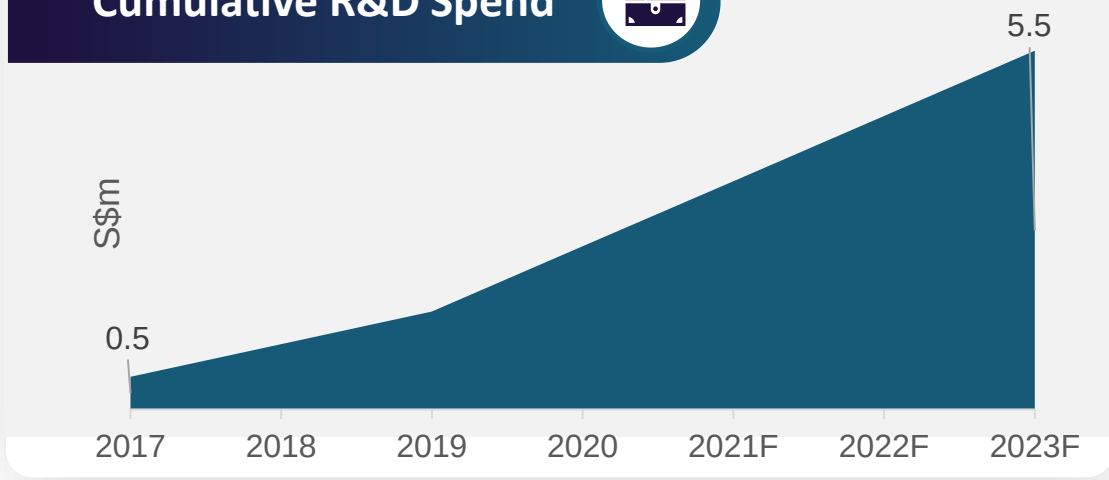


Expand Geographically

No. of Employees



Cumulative R&D Spend



Commitment to technological excellence

Increase R&D spend to further develop floating solar and wind technologies

RENEWABLE ENERGY PROJECTS SNAPSHOT



G8 SUBSEA – Singapore-Based Company with Global Expertise in Offshore & Marine Renewable Energy Projects. Enabling Proven Engineering & Marine Installation Techniques

2017

60MW Offshore Wind Power Line Connection, Korea

2019

230kV Singapore Power to Malaysia Power Line

2020

5MW Woodlands Floating Solar

2020

20MW Rated Floating Solar Substation Platform Awarded ESG Grant

2020

500MW Pre Front End Engineering Offshore Windfarm, Korea-Japan

2020-2021

3GW Various Sites for Floating Solar and Offshore Wind Power across the Asia

MARKET VALIDATION – ASIA OFFSHORE RENEWABLE WIND

67% Reduction

in levelized cost achieved in Offshore Wind since 2012

Only 0.4%

of 1,500 GW technical offshore wind potential in Asia is operational at present



US$250 Billion

of new investment flow into Asia for utility scale renewable energy projects by 2025

>50%

of all new installations globally in 2019 was in Asia Pacific. Asia is catching up fast.

**https://www.evwind.es/2020/09/09/asia-pacific-to-become-largest-offshore-wind-power-market-by-2030/77089

GROWING WITH SCALE ACROSS THE REGION

Revenue per employee

S$0.25m | S$0.28m | S$0.58m | S$1.11m



A start-up of less than 1 year to secure a McDermott contract over US$1m



Pioneered involvement in 60MW Korean Windfarm



Pioneered laying of cable projection method 10m below seabed- world's first bundle deep burial installation to Singapore Power

S$0.5m

S$1.4m

S$4.6m

S$13.3m

REVENUE

2015 2016 2017 2018 2019

Over S$1b of projects bided in 2021 sales pipeline;
Over S$4b of projects in 5 years pipeline for renewable energy

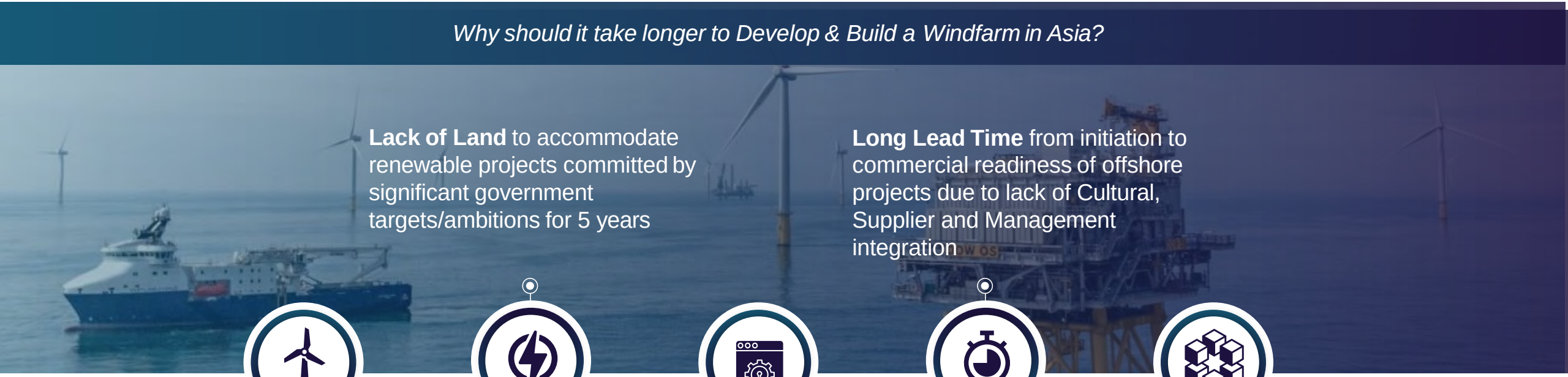


Accelerating Regional Expansion

- Development lead in National Inter-island Renewable Energy Connectivity projects
- Awarded ESG funding in Korea with 1.5GW development in South Korea for offshore wind
- Awarded SDC floating renewable energy hub partnership
- Signed cooperation agreement with Keppel Infra for 80MW solar & cable link project

SOLVING AN INDUSTRY PROBLEM = MARKET OPPORTUNITY

Why should it take longer to Develop & Build a Windfarm in Asia?



Lack of Land to accommodate renewable projects committed by significant government targets/ambitions for 5 years

Long Lead Time from initiation to commercial readiness of offshore projects due to lack of Cultural, Supplier and Management integration

Asian countries & corporates have ambitious 'Green' commitments, but there are **not enough high-quality renewable energy projects of >100 MW** to fulfil them – Offshore Windfarms is Solution

Unnecessarily **High DevEx & marine construction cost** (i.e. suppliers & engineers from Europe), making projects uncompetitive

Lack of Technology & Marine Infrastructure in offshore renewables construction and operation, leading to poorly-managed & expensive projects

SOLUTION - G8 IMPACT TO RENEWABLE ENERGY

Reduce project implementation time by at least 30%

G8 is confident to accelerate Asia projects:

- Ideation to FID: from 3-5 years down to 1-1.5years
- FID to COD: from 3-5 years down to 1.5-2years

Increase efficiency of Renewable Energy and reduction of cost

By combining Solar and Wind Power, G8 **increases the capacity factor** of the power plant

Modular construction and autonomous maintenance to **reduce cost**

Scalable proprietary technology that lower project costs and risks by as much as 6x

- G8 proprietary Modular Tube Buoyancy (MTB) system technology to scale floating wind and solar ➔ helps to reduce installation resources by 6x
- Carbon emission in Construction
- Modular Floating Substation
- Subsea power transmission



FOCUS ON TECHNOLOGICAL AND TEAM EXCELLENCE



Developing for Future Generation Technologies in RE with Strong Commitment in Technological leadership in floating wind and solar across the world

Mission Driven on continuous development nurturing close teamwork and innovative spirit allow G8 to strive for completion of projects during COVID19

SMART POWER – Clean Power Anywhere - IOT Wireless Energy Storage Systems





STM TECHNOLOGY – Advanced Offshore Stabilization System



G8 TEAM

Management Team



GERALD TAN
(Founder & Managing Director)



MOHAN PANAYAMADAM
(Head of Projects)



GERALD YAP
(Head of Finance & Investment)

Senior Advisory Team



Jan- Peter Elffers
(Development Director - Asia Offshore, wind)



Michael Van Der Hejiden
(Commercial Director – Asia Offshore Wind)

REGIONAL LOOK AHEAD – REGIONAL DEVELOPMENT PIPELINE 2021 -2024
(MAIN PROJECTS – RENEWABLE ENERGY)

	Project / Developments	Project Value (SGD)	Status
 **SINGAPORE**	Southern Island Cable Conectivity for 80Mwp	35million	Cooperation MOU with Keppel Infra
	Batam to Singapore Power Cable Connection for 600Mwp	70million	Cooperation with Sembcorp Industries
	145MW Pandan Floating Solar Engineering	2million	Bidding to PUB
 **INDONESIA**	Cirata Floating solar 145Mw – supply of 25 floating substation	5 million	Preferred vendor Bidded to EPC
 **MALAYSIA**	Sarawak 75MW Floating Solar	60million (EPC) 150million (PPA Contract)	Bidded to Sarawak Energy
 **SOUTH KOREA**	2GW Offshore Windfarm Work with Subsea Cable	50 million	Approved ESG Funding for Korean Office to set up SPC
 **AFRICA**	Ghana Floating solar 100MW	70 million	Exclusive Development Agreement

Approximately SGD400million on immediate renewable energy developments