



# Corporate Overview

Pacific Green Technologies Inc. (PGTK)

July 2022



# Pacific Green - Managing the Transition to a Cleaner Future

By developing and maximising return from renewable energy, energy storage systems and emission control technologies, Pacific Green is helping to address the world's demand for cleaner and more sustainable energy.

## Our focus /

Developing grid-scale battery energy storage projects, initially in the UK, with Europe and Australia roll out in 2023 / 24

Advising worldwide industry leaders move to renewable energy solutions

Marine fuel efficiency & environmental technologies

## Our team /



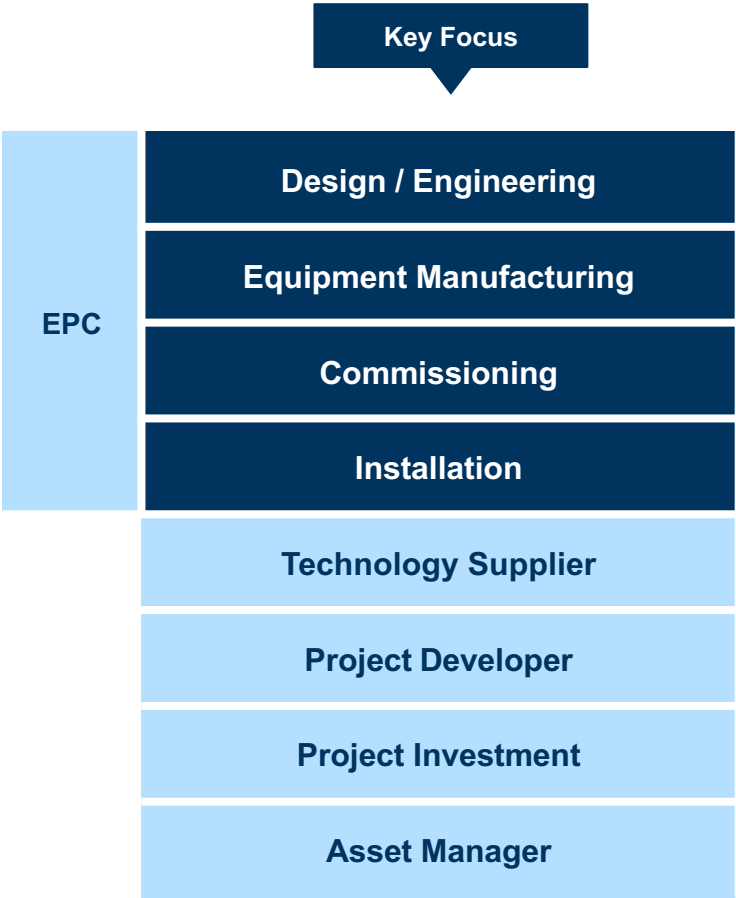
## Our history /

- Flue Gas Desulphurization
- PowerChina joint venture company
- Industry leader, 150 Marine scrubbers in operation worldwide
- Diversify interests - CSP
- 150 scrubber milestone
- AMKEST joint venture in Saudi Arabia
- Battery energy storage technology
- 100MW Richborough development - grid scale battery park
- Acquired 1GWh+ battery energy park development pipeline

# Pacific Green's Vertically Integrated Business Model

Pacific Green's vertically integrated business model combines technology know-how with manufacturing capability. It enables us to provide innovative technology, cost effective product and industry-leading EPC service.

We provide design, manufacture, installation service, as well as project development, finance and asset operation.

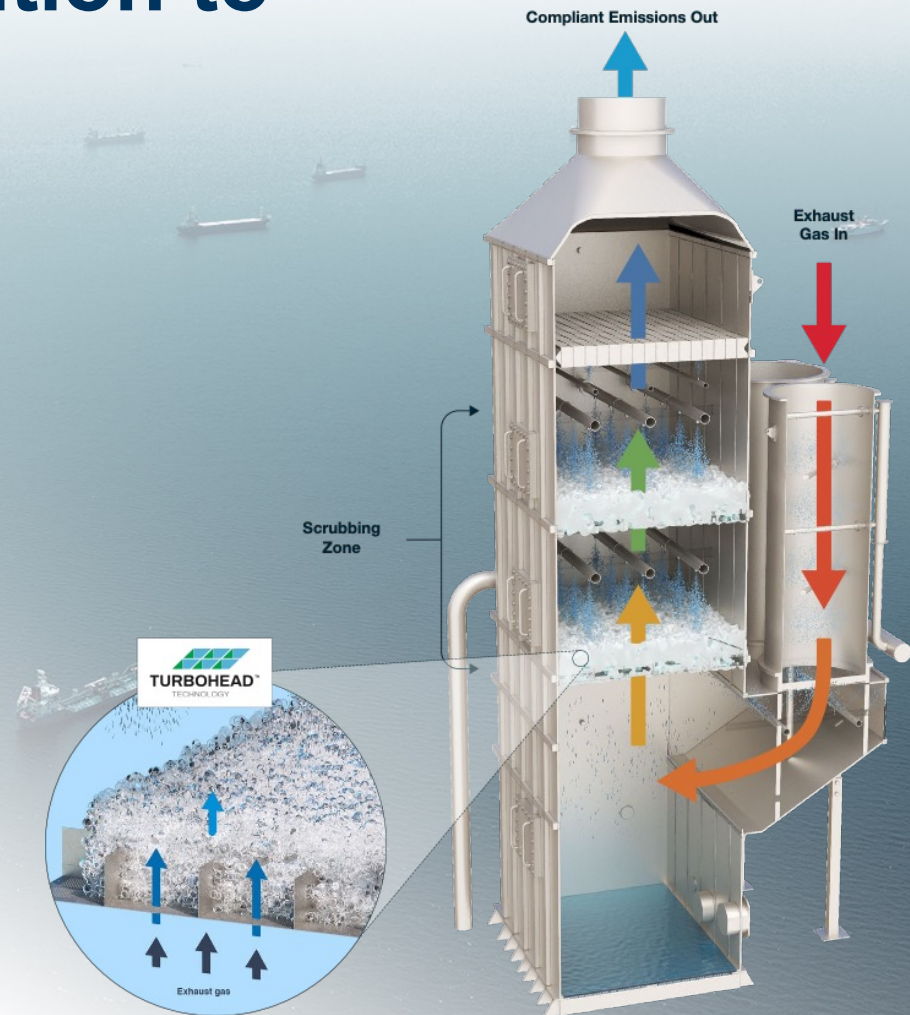




# Assisting the Shipping Industry Transition to Cleaner Technology

The maritime transport sector is one of the world's most polluting industries and Pacific Green is both helping to mitigate emissions and develop methods to improve fuel efficiency.

- From entering the exhaust scrubber market in 2017, to 4th largest scrubbing manufacturer in the world within 5 years
- Developed 3 generations of system
- Delivered over 150 exhaust gas scrubbing devices with average value of US\$ 1.8 million per unit over 36 months
- Simple design with long term dependability with industry leading reliability – no moving parts inside scrubber
- Return on investment in less than 12 months @ current fuel prices
- International aftersales and support team
- Pacific Green clients own in excess of 1000 ships
- Ideal platform, with 'critical mass' to roll out fuel efficiency technologies in the marine sector – assessing new technologies for 2023/24 roll out



# Developing grid-scale energy storage projects

A growing demand for electricity coupled with more reliance on solar and wind generation has resulted in an urgent need to store excess energy during favourable generating conditions. Battery energy storage now provides a cost-effective way to smooth out supply and maximise the benefit of renewables.

- Pacific Green is developing between 1.5 / 3GWh in the UK over the next 5 years
- With BESS development platform in place, Pacific Green will roll out in Europe & Australia
- Pacific Green reached financial close for US\$34.90 Million (£28.25 Million) of funding for its 99.98MW Richborough Energy Park Battery Development on 22 June 2022
- Signed long term energy optimization agreement with Shell Energy Europe Limited for Richborough
- Total value of the pipeline on commissioning is over US\$1.08 billion (£891 million) based on current market transaction values.
- Recruited a highly specialist team of ex National Grid, utility and Battery Energy Storage specialists.
- Entered into a long-term strategic manufacturing framework agreement with Shanghai Electric Gotion New Energy Technology Co. Ltd (SEG), who have in excess of 12.64% of the Chinese battery market.





# Concentrated Solar – Supporting the Growth of Hydrogen

Dispatchable power supply to support green hydrogen and green ammonia production.

## 2019

- Strategic acquisition of CSP Design Institute Engin from China's leading non-government owned CSP company, with design reference of 3 operational CSP plants - 10MW tower, 100MW tower and 50MW trough designs.
- Rebranded as Pacific Green Technologies (Shanghai) Ltd.

## 2020

- Recruited Xavier Lara to head the CSP development team and coordinate the balance of team based in Chile and Spain.

## 2021

- Won advisory service agreements with global hydrogen companies - Fortescue Future Industries (FFI) and Alfanar.

### Sample project references



Dunhuang 10MW Tower CSP



Dunhuang 100MW Tower CSP



Delingha 50MW Parabolic Trough CSP



NooRo-II 200MW Parabolic Trough CSP



NooRo-III 150MW Tower CSP



# Conclusion

- Currently Pacific Green has two main areas of interest that are serving a plan of income both short and medium term:
  - **Marine** – after establishing Pacific Green as an industry leading emissions control technology company, Pacific Green is using it's 1000 ship client platform to transition into the leading 'environmental & fuel efficiency technology supplier'
  - **Energy Storage and Renewables** – having secured an energy storage pipeline in the UK of more than 1GWh, Pacific Green is rolling out its unique ODCO<sup>2</sup> model internationally
- A company with a rich history of success and a strong team
- Strong advantage from a vertically integrated business model







## Contact Information

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