



**NEXTGEN NRG**

# Transport For a **GREEN FUTURE**


Invest in the future of power  
generation and distribution.

**NEXTGEN NRG**





# Introduction to **NEXTGEN NRG**



NextGen NRG is a leading player in the green hydrogen industry, specializing in innovative hydrogen and renewable energy solutions. Using advanced electrolysis powered by renewable sources, the company produces hydrogen for various applications while promoting sustainability and energy independence. Committed to technological innovation and environmental stewardship, NextGen NRG aims to expand its global presence and meet the rising demand for sustainable energy.

NextGen NRG's mission is to facilitate the transition to sustainable energy by offering efficient green hydrogen solutions through advanced electrolysis technology. Its scalable hydrogen production utilizes renewable energy and supports the United Nations Sustainable Development Goals (SDGs), contributing to environmental sustainability and enhancing global energy security and independence.

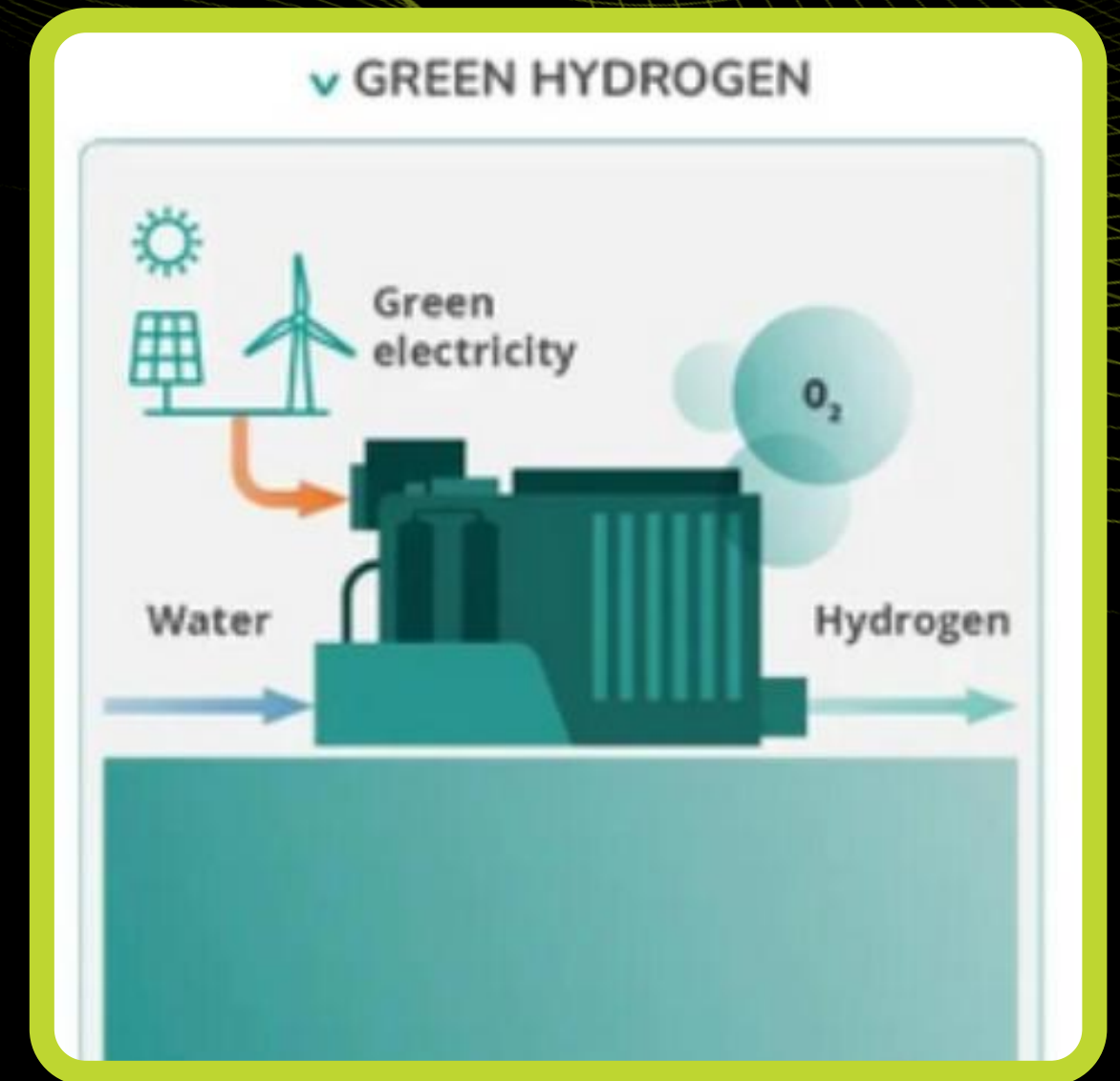


# Introduction to GREEN HYDROGEN

Green hydrogen is a clean, sustainable energy source that's produced by splitting water into hydrogen and oxygen using an electrical current. The electricity used to power the process comes from renewable sources like solar or wind, so the process doesn't produce carbon dioxide or other harmful emissions.

Hydron NRG's hydrogen solutions extend to commercial vehicles, off-grid power systems, and domestic appliances, including:

- **Commercial Vehicles:** Hydrogen-powered buses, trucks, Jeepneys & Tuk Tuks and forklifts.
- **Consumer Products:** Hydrogen-powered bikes, cooktops, and hot water systems.
- **Drones:** Offering higher efficiency and longer operational capabilities.
- **Hydrogen Production Systems:** Expandable modular production systems.
- **Support Services and Training:** NextGen NRG provides installation, operational maintenance, and lifecycle management for seamless technology integration.



# Unique IP

# Innovative Products

## Unique IP

Patented electrolysis and hydrogen energy technologies. The NextGen NRG group holds **45 patents**, with **another 85** being onboarded through a partnership with Griffith University, which is one of three of our research partners

## Product Range

Hydrogen production and storage systems, hydrogen-powered vehicles, and environmental services. The technology is highly modular and scalable.

## Innovation

Vertical integration will enhance efficiency, control, innovation and supply chain reliability while reducing costs. Investment in R&D will be key.





# NextGen NRG Research Partners

NextGen NRG partners with Griffith University, the University of Technology Sydney, and Central Queensland University for research and innovation. They sponsor a researcher at each university.

# The Team



**Anthony Aucone**  
**Founder**

Anthony has a long history in clean renewable energy design, IP, and manufacturing across Australia, Asia, and globally. Anthony collaborates with governments in Australasia and ASEAN to promote sustainable, cost-effective solutions and holds over 23 design and patent registrations in green energy.



**Peter Hale**  
**Partner**

Peter offers specialised end-to-end consultation, construction, and compliance solutions for the petroleum industry. Experienced in engineering design for fuel storage and delivery systems, safety certification, training, and compliance. An active member of national and regional petrochemical organisations.

# Bus Project

## ● Brief Project Description

The JV between Obbo Holdings Inc. & Nextgen NRG Inc shall operate where Nextgen NRG would install hydrogen production, storage & refuelling facilities, using tried & proven renewable energy at bus depots for refuelling a fleet of Green Hydrogen-powered buses offering efficient & reliable alternative to diesel buses, with zero emissions, combating air pollution & compatibility with renewable energy sources, with superior operational advantages over diesel & electric buses (EVs). Buses have a range of 500 km with refuelling times the same as diesel, minimising downtime & enhancing route flexibility.

With a 30% reduction in fuel cost, fewer moving parts, and advanced engineering, hydrogen buses will last over 12 years with lower maintenance, reducing the total cost of ownership.

Furthermore, operating clean green buses using renewable energy and zero emissions would contribute greatly to the Philippines' commitments under international environmental accords like the Paris Agreement, helping to combat urban air pollution and reduce greenhouse gas emissions.



# Hydrogen Buses Global Adoption

## LONDON

London has introduced 20 hydrogen fuel cell double-decker buses to reduce emissions and improve air quality. The goal is to have a fully zero-emission bus fleet by 2030.

- **Fleet Size:**

The initial fleet consists of 20 hydrogen fuel cell double-decker buses with a further 20 buses currently being delivered.

- **Refueling Infrastructure:**

A hydrogen refuelling station at the Perivale bus garage supports the hydrogen buses.

- **Environmental Benefits:**

Hydrogen buses contribute to cleaner air by eliminating harmful emissions, including CO2 and other pollutants.

- **Range and Refuelling:**

Hydrogen-powered vehicles have a range similar to conventional diesel vehicles, achieving 350-400 miles on a single fuel tank. They can be refuelled within 3-5 minutes.



# Hydrogen Buses Global Adoption

# EDMONTON

# ABERDEEN

# IRELAND



# Project Roadmap

Pascual Liner, Inc. has ordered two hydrogen-powered buses from Feichi Technology for a 3-month pilot program to test their market impact. This small-scale initiative assesses performance and refines operations before transitioning to an entire fleet.

The 48-seat “City Bus“ features a hydrogen power system, real-time monitoring, collision warnings, advanced safety features, and an air suspension system for comfort on diverse roads. Feichi Technology, a leader in China’s hydrogen-powered vehicle market, plans to confirm the purchase of 80 more buses after the pilot and aim for 300 buses in the next 3 to 5 years.

1

## Initial Set-up Phase

- Establish hydrogen refuelling infrastructure.
- Initiate a public engagement campaign to inform & align stakeholders & the community.

2

## Evaluation Phase

- Analyse data to evaluate bus performance and public reception.
- Compile report with recommendations for future phases.

3

## Planning for Scale-up

- Determine the timing for the phased rollout of 80 additional buses & bus delivery schedule.
- Upgrade & expand hydrogen refuelling infrastructure to accommodate more buses.

4

## Deployment of fleet

- Implement a flexible deployment schedule for new buses tailored to operational requirements and funding cycles.
- Continue to evaluate suitable locations for establishing additional bus depots suitable for installing Hydrogen production facilities of a minimum of 5 hectares.

# Milestones

01

## Initial Actions ( week 1 )

Acquisition of two buses, Hydrogen equipment, Solar & water storage.

03

## Pilot Phase ( 16-32 weeks )

Bus trial run with reporting and review.

02

## Initial Phase ( 12-16 weeks )

Equipment installation. Training and certification completed. Buses registered.

04

## Stage 2 ( 32-52 weeks )

Purchase of 80 buses. Increase in Hydrogen production along with monitoring.

05

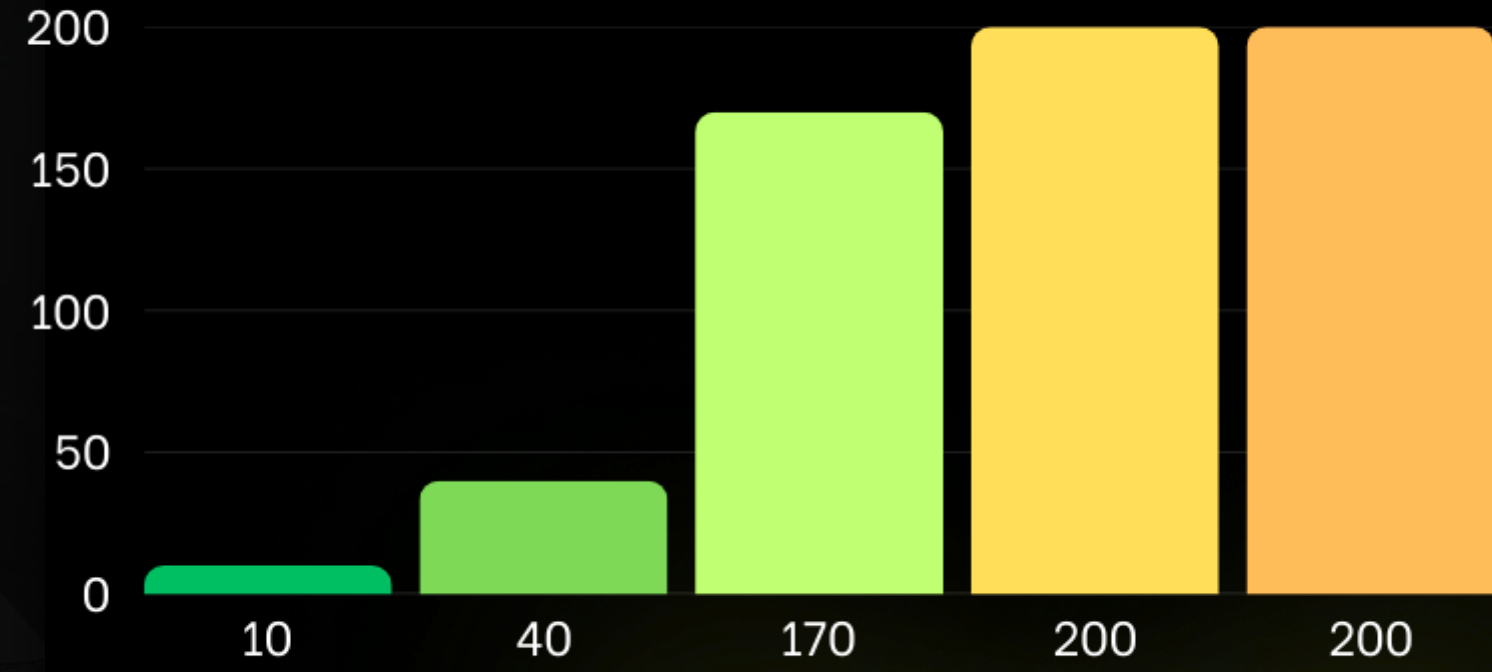
## Year 2 onwards

Purchase of up to 300 buses over 5 years.



# Philippine Buses Roll-out

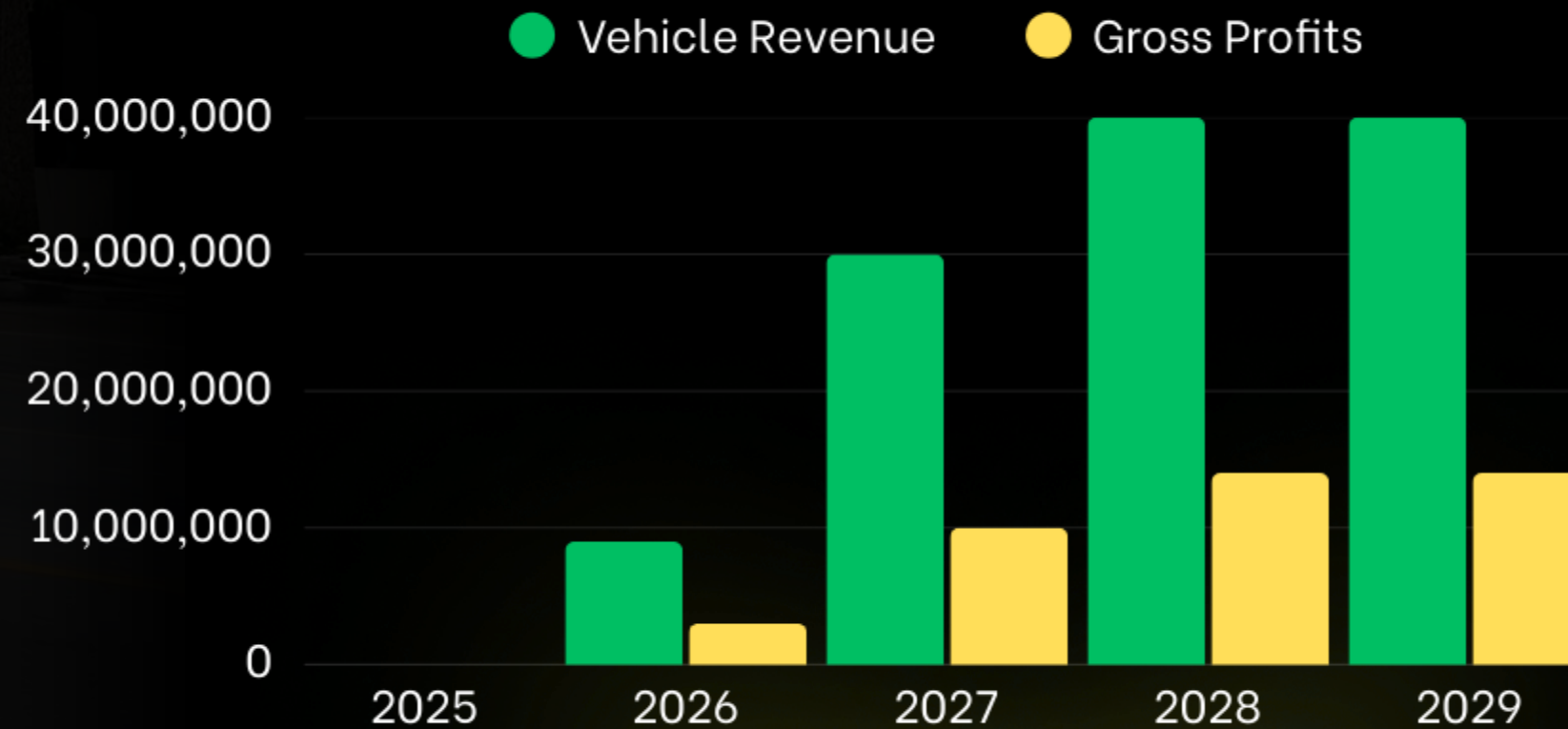
- ✓ Expected to roll-out 587 buses over 5 years in the Philippines market
- ✓ NextGen NRG will generate USD205k per bus and in revenue
- ✓ Direct costs to NextGen NRG are \$133k per bus





# Gross Profit from Bus Sales

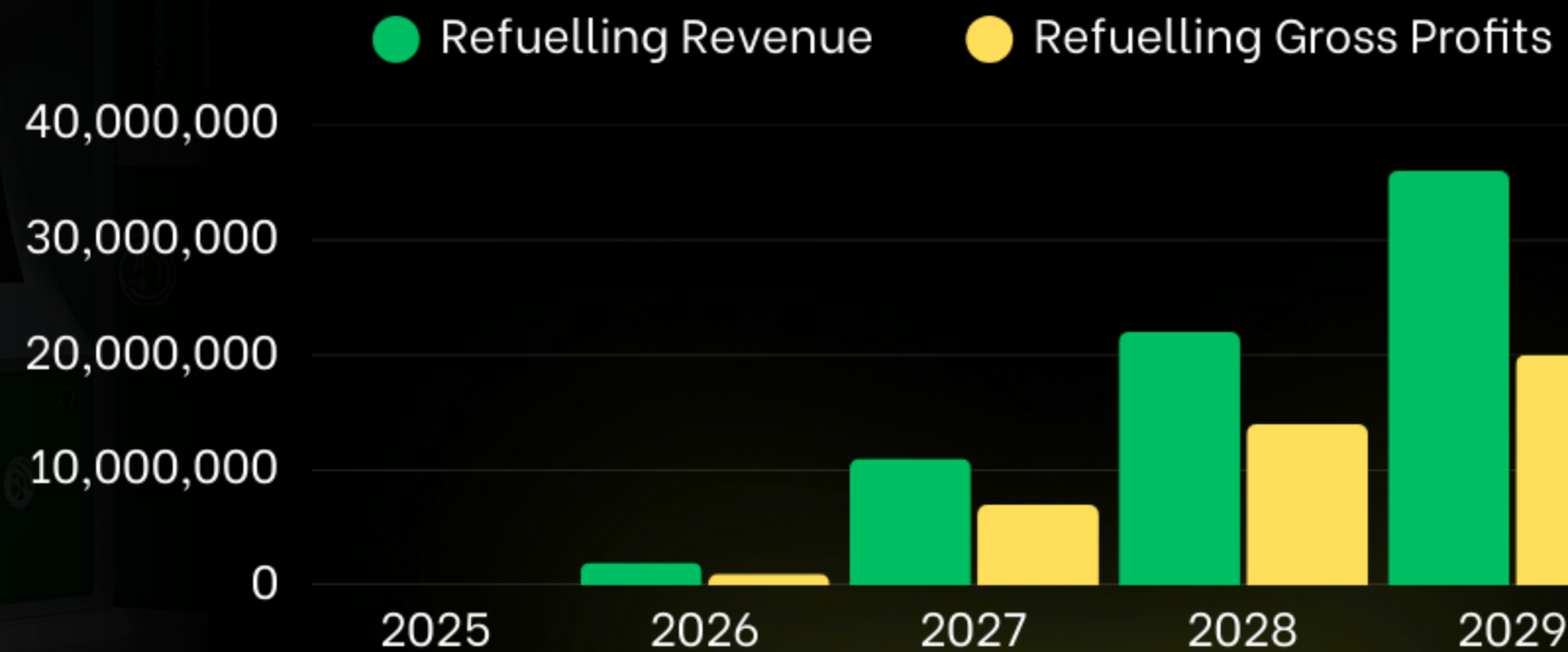
- ✓ The below table shows the forecast gross profits resulting from sales of buses in the Philippines market.
- ✓ By 2029, we are forecasting \$14.350 million in gross profits associated with the sale of buses in the Philippines alone. This excludes hydrogen production revenue.



# NEXTGEN

## Gross Profit from Bus Refueling

- ✓ Based on hydrogen power capabilities, we expect circa 6,900 kilograms of hydrogen to be used to power the buses per annum.
- ✓ The sale price for hydrogen will be \$9.0 per kilogram indexed to CPI.
- ✓ The all-in production costs for Hydrogen have been calculated at \$3.80, and we have also assumed this will increase with CPI.



# Hydrogen Bus Forecast

## Profit & Loss

- ✓ The table below shows the forecast EBITDA for the Philippines Bus Project, which is expected to reach \$20.620 million in 2030. NextGen NRG will also receive a 0% 6-year tax holiday agreement.

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Revenue	352,440	1,935,738	8,130,100	17,467,867	29,319,761	44,033,399
Cost of Goods Sold	(55,328)	(522,850)	(2,195,968)	(5,535,670)	(10,106,944)	(15,847,823)
<b>Gross Margin</b>	<b>297,112</b>	<b>1,412,888</b>	<b>5,934,131</b>	<b>11,932,197</b>	<b>19,212,817</b>	<b>28,185,576</b>
Gross Margin (%)	84.3%	73.0%	73.0%	68.3%	65.5%	64.0%
Operating Expenditure	(395,750)	(651,831)	(1,735,059)	(3,288,031)	(5,239,325)	(7,564,808)
<b>EBITDA</b>	<b>(98,638)</b>	<b>761,057</b>	<b>4,199,072</b>	<b>8,644,165</b>	<b>13,973,492</b>	<b>20,620,767</b>
<b>Investment Required</b>	<b>15,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



**NEXTGEN NRG**

**Thank You  
for Your Attention**



[www.hydronnrg.com](http://www.hydronnrg.com)

