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Company Registration Number 200413014R
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Singapore 119968

Singapore and Australia
27th October 2021

AusGroup’s subsidiary NT Port and Marine in negotiations with Global Energy Ventures to provide export infrastructure to assist in the development of a Green Hydrogen Export Project on the Tiwi Islands

- Potential for a base load customer to export green hydrogen to the Asia-Pacific Region leveraging NT Port and Marine’s existing infrastructure.

SGX Mainboard-listed AusGroup Limited’s (“**AusGroup**”) wholly owned subsidiary NT Port and Marine has been in preliminary non-binding discussions with Global Energy Ventures (GEV) to progress the development of GEV’s proposed green hydrogen export project located on the Tiwi Islands, Northern Territory for export to the Asia-Pacific region (the Tiwi Hydrogen Project) via NT Port and Marine’s current infrastructure. Included in Appendix A is GEV’s Australian Stock Exchange announcement relating to the Tiwi Hydrogen Project.

NT Port and Marine will continue to discuss the Tiwi Hydrogen Project with GEV and, if formal agreements are entered into, will provide an update when necessary.

Mr Shane Kimpton, CEO and Managing Director of AusGroup, said “NT Port and Marine has established itself as reliable owner of export infrastructure to support renewable projects which grows the economic development of the Tiwi Islands and the Northern Territory. The announcement of the Tiwi Hydrogen Project by Hon Eva Lawler MLA (Minister for Renewables and Energy NT) today is an exciting project which can utilise NT Port and Marine’s export infrastructure and industrial precinct on the Tiwi Islands that will enable this project to reduce its capital costs and provide a new source of green hydrogen to the Asia-Pacific Region.”

ENDS

About AusGroup Limited (www.ausgrouppltd.com)

Listed on the Mainboard of the Singapore Stock Exchange (**Stock Code: 5GJ**)

Through its subsidiaries **AGC Industries**, **MAS Australasia** and **NT Port & Marine (NTPM)**, AusGroup provides maintenance, construction, commissioning & handover, access services, and marine services for diverse sectors.

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APPENDIX A – Global Energy Ventures Australian Stock Exchange Announcement



ASX ANNOUNCEMENT



27 October 2021

GEV TO DEVELOP 2.8 GW GREEN HYDROGEN EXPORT PROJECT TIWI ISLANDS, AUSTRALIA

INTEGRATED WITH COMPRESSED HYDROGEN SHIPPING

GEV acknowledges that its proposed Tiwi Islands Green Hydrogen Export Project is located on the traditional lands of the Munupi people. It is a privilege to have the support and such a close working relationship with the Tiwi Land Council and Munupi Landowners.

HIGHLIGHTS

- **GEV to develop a green hydrogen export project located on the Tiwi Islands, Northern Territory, with a phased capacity up to 2.8 GW (the Tiwi Hydrogen Project), producing up to 100,000 tonnes per annum of green hydrogen for export into the Asia-Pacific region.**
- **The Tiwi Hydrogen Project will deliver a fully integrated green hydrogen production and export supply chain, commencing with a fleet of GEV's 430t compressed hydrogen ships.**
- **Selection of the Tiwi Islands location provides a brownfield site that can reduce development time and cost, as well as access to one of the closest Australian ports (owned by AusGroup Limited's NT Port and Marine) to the future demand markets in the Asia-Pacific region.**
- **The integration of GEV's innovative compressed hydrogen shipping solution enables a phased development and construction timeframe, thereby benefiting from the continued decline of the capital and operating costs for solar generation, electrolyzers and shipping.**
- **The Tiwi Hydrogen Project has the support of key stakeholders, including the Tiwi Land Council, the Munupi Landowners, NT Port and Marine and the Northern Territory Government.**
- **Development milestones of the Tiwi Hydrogen Project will run in parallel to GEV's ship engineering and class approval program, with a financial investment decision targeted for 2023 for the initial phase being 0.5 GW, allowing first hydrogen export to commence in 2026, subject to all commercial and regulatory approvals and customer offtake.**

Global Energy Ventures Ltd (ASX: **GEV**, the **Company**) is pleased to announce the development of a 2.8 GW / 100,000 tpa of green hydrogen export project on the Tiwi Islands, Northern Territory, Australia (the **Tiwi Hydrogen Project**). GEV is proposing a staged approach to construction, with an initial development phase of ~0.5 GW of installed solar generation, expanding to 2.8 GW as the regional hydrogen market grows, as well as benefitting from the ongoing cost and efficiency improvements in photovoltaics, electrolyzers and shipping.

GEV's Managing Director and CEO, Martin Carolan commented: *"The strategic rationale for GEV to develop a landmark upstream renewable energy and green hydrogen production project is to demonstrate the simplicity and efficiency of using compression for a pipe-to-pipe green hydrogen supply chain and to provide greater certainty in the commercialisation of our shipping solution. This project can transition GEV from a midstream service provider to an innovative hydrogen company.*

Our compressed shipping solution is highly modular and can therefore scale to match the advancement of electrolyser technologies and market demand for pure green hydrogen gas, and deliver a competitive cost of hydrogen as the project scales. The support of the Northern Territory Government also demonstrates the Territory's strategy and vision to be a world-scale producer and exporter of renewable hydrogen."

Northern Territory Government Minister for Renewables and Energy, Hon Eva Lawler commented: *"I welcome GEV's announcement that it has selected the Tiwi Islands for its renewable hydrogen project and that it is working closely with the Tiwi Land Council and the Traditional Owners of the land. With our world-class solar resources and our proximity to key export markets, the Northern Territory is an ideal place to generate renewable hydrogen to meet the future demand within our region.*

We look forward to supporting GEV through our investment facilitation team to progress the project through to operation."

Figure 1: Tiwi Hydrogen Project Overview



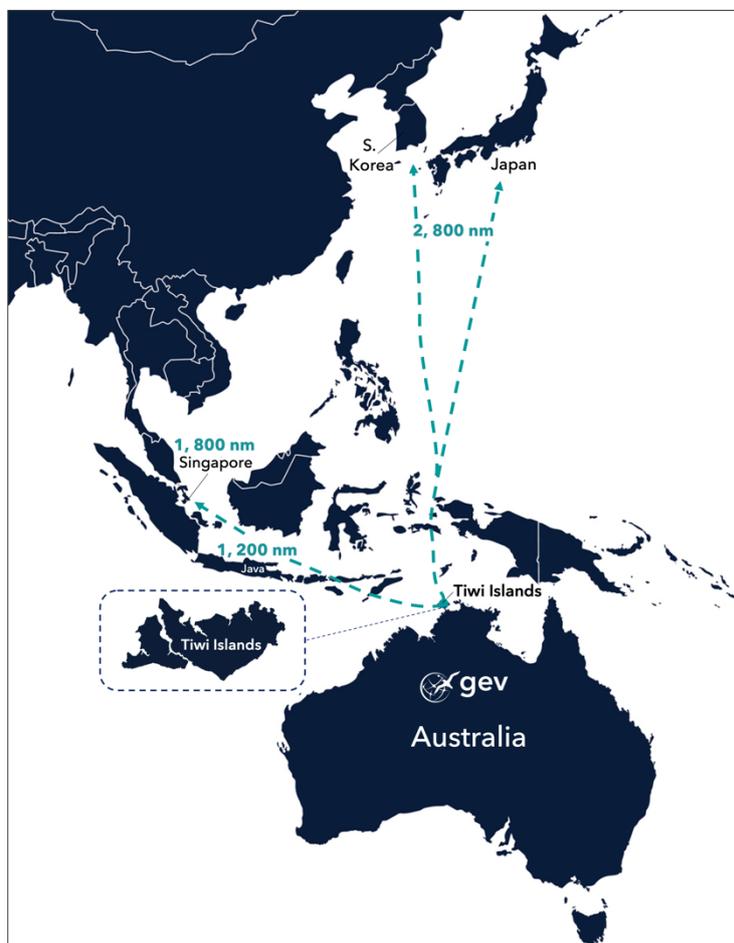
MAJOR BENEFITS OF THE TIWI HYDROGEN PROJECT

GEV's Executive Director and Chief Development Officer, Garry Triglavcanin commented: "Today's announcement of the Tiwi Hydrogen Project is the result of over six months of research, analysis and consultation to gain the support of key stakeholders, including the Tiwi Land Council, the Munupi Landowners, Northern Territory Government, Tiwi Plantation Corporation, NT Port and Marine and a number of technology vendors. I would like to personally thank the Tiwi Land Council and the Munupi Landowners for welcoming GEV to the Tiwi Islands and their ongoing trust and support. The project will deliver social and economic benefits to the Tiwi community in the form of employment, skills training and education on a long-term sustainable basis."

GEV has worked closely with key Tiwi stakeholders to ensure the project will have a low environmental impact on the Tiwi Islands. This has been achieved by selecting previously cleared and developed plantation land for the solar farm, existing right of way for the transmission line, as well as locating the hydrogen production facilities at an existing industrial precinct, adjacent to existing port infrastructure for export. GEV has completed a pre-feasibility level analysis that has identified this location as being highly suited to our compressed hydrogen shipping solution due to its close proximity to Asia-Pacific markets."

- > **LOCATION:** the Tiwi Islands are located along the northern most part of Australia, providing GEV with a strategic location for regional shipping to the emerging hydrogen markets across the Asia-Pacific, including Singapore, Indonesia, South Korea and Japan (see Figure 2).
- > **HIGH SOLAR CAPACITY / INTENSITY:** the proposed 1,800 hectare solar site has been assessed to have the potential for 2.8 GW of solar generation, in a region of high solar intensity.
- > **TRADITIONAL LAND OWNERSHIP:** there has been an unbroken history of occupation and ownership of the Tiwi Islands by Tiwi people. Therefore, there are no native title issues for GEV to address, with a clear and established process for GEV, the Tiwi Land Council and Munupi Landowners to negotiate a Section 19 Lease/Licence for the proposed solar site.
- > **LOW ENVIRONMENTAL IMPACT:** the proposed solar site is existing plantation land, previously cleared of native vegetation and currently used for commercial plantation (see Figure 1). The proposed solar site represents only 6% of the existing plantation area and only 0.3% of Melville Island land area. In regard to water supply for the initial phase of the project, the electrolyzers are anticipated to consume up to 550 m³/day of demineralised water for hydrogen production. Small-scale desalination facilities will be installed (sea-container sized), with GEV also seeking to maximise the potential of local water catchment.
- > **PORT INFRASTRUCTURE:** there is availability and access to existing port infrastructure and industrial precinct at Port Melville (owned by AusGroup Limited's NT Port and Marine), capable of berthing GEV's fleet of compressed hydrogen 430t pilot scale ships. GEV to introduce its full scale 2,000t ships as required to match future supply and demand (see Figure 1).
- > **COMPRESSION:** utilising compression as the method to load, store and transport hydrogen avoids the complex and capital intensive process to 'pack and unpack' pure hydrogen gas required by other carriers such as LH2, NH3 or LOHC. This is an important consideration for the customer end of the supply chain.
- > **NT GOVERNMENT SUPPORT:** GEV has the support of the Northern Territory Government, and GEV will seek federal infrastructure funding and support given the new, sustainable industry and economic opportunities for the indigenous communities on the Tiwi Islands and Territorian people in general.

Figure 2: Tiwi Hydrogen Project proximity to Asia Pacific export markets



MAJOR BENEFITS OF THE COMPRESSED HYDROGEN SUPPLY CHAIN

- > The scalable nature of compression allows GEV to propose a staged approach to construction, with an initial development phase of ~0.5 GW of installed solar generation, expanding to 2.8 GW as the regional hydrogen market grows. This allows GEV and its customers to benefit from the ongoing cost and efficiency improvements in photovoltaics, electrolyzers and shipping.
- > The Tiwi Hydrogen Project leverages the unique benefits of GEV's compressed hydrogen shipping solution, meaning no requirement for costly onshore hydrogen storage and minimal battery storage (as the production and loading of hydrogen will "load follow" the daily and seasonal solar generation profile).

Figure 3: Tiwi Hydrogen Project Supply Chain



NEXT STEPS

- > GEV has and will continue working with the Tiwi Land Council and Munupi Landowners, given the responsibility to ensure that the Tiwi Hydrogen Project delivers community benefits to the Tiwi people, in the form of leasehold payments, employment, and supporting power and water infrastructure.
- > GEV to fast track the installation of solar monitoring stations at several locations, allowing GEV to establish bankable solar generation data for the proposed project location.
- > GEV to continue working with the Tiwi Plantation Corporation, Tiwi Land Council and Munupi Landowners to progress securing a Section 19 Lease/Licence over the proposed solar site. As the solar site has previously been cleared of native vegetation and zoned for plantation use.
- > GEV to continue working with NT Port and Marine (a subsidiary of AusGroup Limited) to integrate Port Melville's operations and facilities into the Tiwi Hydrogen Project.
- > GEV to commence planning for a full feasibility. Including further information on the project development schedule, technical partners, project scale, solar monitoring activities and appointment of consultants. The project schedule will run in parallel with GEV's ABS full class approval program for the 430t pilot scale ship.
- > Financial close for the initial phase of the Tiwi Hydrogen Project is targeted for 2023, with first hydrogen export to commence in 2026, subject to all commercial and regulatory approvals and customer offtake.

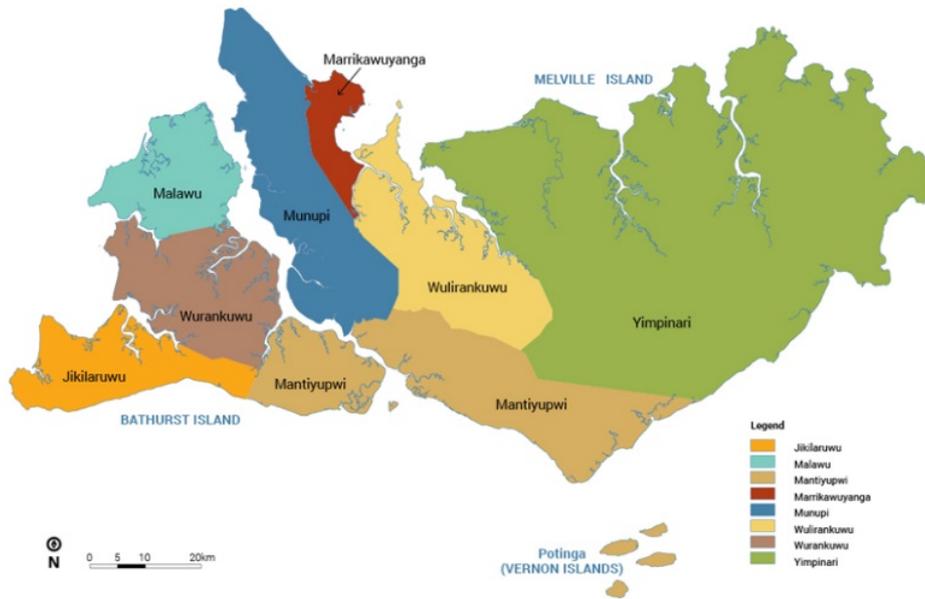
ABOUT THE TIWI ISLANDS, TIWI LAND COUNCIL, TIWI LAND TRUST AND MUNUPI LANDOWNERS

There has been an unbroken history of occupation and ownership of the Tiwi Islands by Tiwi people. The Tiwi have never surrendered any of their land and have never had to concede that any part of their islands belongs to anyone but them. The Tiwi people have proved through history that outsiders who want to come to the Tiwi Islands can only do so on Tiwi terms.

Land plays an important role in kinship and relationship networks, with each person belonging to a landowning group and having particular connections to spatially defined areas. Similarly, there are aspects of managing and allocating land and natural resources that are inseparable from kinship and relationship ties. While landowning rights are inherited from the father, the responsibility for the care of important sites comes through the mother's line. There are eight Landowning Clans on the Tiwi Islands, with GEV's Project entirely within the Munupi Landowning Clan.

The Tiwi Aboriginal Land Trust was established under the Aboriginal Land Rights Act 1976 (ALRA), with the Tiwi Land Council being the only body with the authority and capacity to direct and administer the Trust.

Some 20 years ago, the Tiwi leaders decided that they would use up to 10% of their land to create an economy, with real jobs for their children and grandchildren, and to remove Tiwi people from reliance on welfare and its associated poverty. As a result, the Tiwi leaders established a number of commercial businesses and enterprises in order to create jobs and income for their people, including the independent business enterprise for the existing plantation industry being Tiwi Plantations Corporation. Source: [Tiwi Land Council Website](http://www.tiwilandcouncil.com.au).



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This ASX announcement has been authorised by the Board of GEV.

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ABOUT GLOBAL ENERGY VENTURES LTD

Global Energy Ventures (ASX: GEV) is an energy transition company with a mission to deliver compressed shipping solutions for transporting energy to regional markets. Our business model is to Build, Own and Operate the production, storage and shipping of natural gas and green hydrogen.

In 2020, GEV introduced the world's first large-scale Compressed Hydrogen ship and positioned the company as an early mover to fast track the marine transport of Hydrogen. The engineering and design of the Compressed Hydrogen ship has benefited from the Company's long-standing history in developing compressed gas carriers through to final construction approval. GEV has demonstrated that the simplicity and energy efficiency of its shipping solution is ideally suited for exporting hydrogen over medium distances (i.e.<4,500 nm) providing a lower delivered cost and eliminating the technical barriers of other transport alternatives.

For more details on the Company please visit www.gev.com



Disclaimer: This announcement may contain forward looking statements concerning projected costs, approval timelines, construction timelines, earnings, revenue, growth, outlook or other matters ("Projections"). You should not place undue reliance on any Projections, which are based only on current expectations and the information available to GEV. The expectations reflected in such Projections are currently considered by GEV to be reasonable, but they may be affected by a range of variables that could cause actual results or trends to differ materially, including but not limited to: price and currency fluctuations, the ability to obtain reliable gas supply, gas reserve estimates, the ability to locate markets for CNG and hydrogen, fluctuations in gas and hydrogen prices, project site latent conditions, approvals and cost estimates, development progress, operating results, legislative, fiscal and regulatory developments, and economic and financial markets conditions, including availability of financing. GEV undertakes no obligation to update any Projections for events or circumstances that occur subsequent to the date of this announcement or to keep current any of the information provided, except to the extent required by law. You should consult your own advisors as to legal, tax, financial and related matters and conduct your own investigations, enquiries and analysis concerning any transaction or investment or other decision in relation to GEV.

\$ refers to Australian Dollars unless otherwise indicated.