



Papua new guinea utility-scale energy storage

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SINGAPORE – Twenty20 Energy, which delivers innovative energy solutions that accelerate the transition to a cleaner energy future, today announced that its proprietary Power Island Floating Storage Regasification & Power (FSRP) solution will be rolled out in 12 locations across Papua New Guinea (PNG) on behalf of PAWA PNG. The solution features an innovative design that will serve as a model for future nearshore power generation plants in coastal regions worldwide.

The PAWA PNG project, a joint venture with Dirio Gas & Power and the PNG government, will provide 283MW of less expensive and more reliable electricity supply with significantly lower emissions, as it primarily replaces aging, inefficient diesel-based generation with modern, high efficiency liquid natural gas (LNG) and heat recovery-based generation. The project will also provide additional generation capacity where it is needed most to support economic and social development objectives.

The Twenty20 Energy design calls for floating piers to be built and transported to each of the 12 sites. The power barges and fuel barges will be built and transported to the floating piers, where they will be moored. When in need of additional fuel, the fuel barges will travel to one of the three LNG bulk storage hubs, where they will be filled up and transported back to the floating pier.

“Our Power Island FSRP design leverages the abundance of domestically produced LNG in Papua New Guinea, delivering a cost-effective, environmentally friendly solution to power generation for coastal communities,” said Geoff Lawrence, CEO of Twenty20 Energy. “The adoption of the technology in Papua New Guinea demonstrates that the Power Island FSRP should be an attractive solution to similar coastal and island communities across the Asia-Pacific region and around the world.”

The Power Island approach meets the needs of developing countries, which face increased demands for energy to support urbanization and industrialization. The solution also balances the need for affordable, scalable power generation with a desire for reduced environmental impact and greater sustainability. Twenty20 Energy anticipates that in many instances, its Power Island solution, which uses LNG, will replace high-polluting fossil fuels such as coal and diesel, while delivering reliable, cost-effective power where it is needed most.

Twenty20 Energy delivers innovative energy solutions that enable clients, partners, and stakeholders to accelerate the transition to a cleaner energy future. From concept development to operations and maintenance, Twenty20 provides engineering, project execution and asset management, coupled with the capacity to provide funding or participate in shared project ownership. Uniquely positioned in the energy landscape, Twenty20 has a global reach with local sensitivity, developing projects that deliver cleaner energy while empowering economic growth for today and beyond.



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Twenty20 Energy's proprietary Power Island Floating Storage Regasification & Power project consists of three components, all supported by a comprehensive LNG fuel logistics solution:

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