

Zenith solar powers IGO Nova Operation

Highlights

- **Zenith Energy Solar PV power plant is now live and providing zero emissions energy to IGO's Nova Nickel-Copper-Cobalt Operation, 360km south east of Kalgoorlie**
- **Zenith's unique battery-free Hybrid Solar PV-Diesel power system maximises production from the Solar PV unit and combines with Zenith's fuel-efficient diesel power generation facility to provide smooth, reliable power without the need for battery stabilisation**
- **The plant has been successfully commissioned and is already delivering IGO savings in diesel consumption of approximately 6,500 litres per day**
- **The Hybrid Solar PV-Diesel Facility is already providing IGO with significantly lower power generation costs and reduced carbon emissions**

Remote power generation specialist, Zenith Energy Limited (**ASX: ZEN**) (**Zenith or 'the Company'**), is pleased to announce that its wholly-owned subsidiary, Zenith Pacific (SIR) Pty Ltd, has started supplying power to Independence Group NL's (**ASX: IGO**) Nova Nickel-Copper-Cobalt Operation in the Fraser Range of Western Australia from its Hybrid Solar PV-Diesel power generation facility.

The plant, which is built, owned and operated by Zenith, is already exceeding performance targets for power output and energy efficiency.

Zenith Energy's Managing Director, Hamish Moffat commented:

"The proprietary hybrid system developed by the Company is able to seamlessly manage the fluctuations in solar PV energy production to provide smooth, reliable power, without the need for batteries to stabilise energy delivery to Nova."

"Batteries have their place in energy systems, but they are still expensive to deploy for these applications. Our unique, locally developed hybrid system eliminates the need for batteries and represents a major step forward in the capital cost optimisation, operating efficiency and environmental performance of Solar PV hybrid energy systems in remote locations."

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“The combined 26.6MW system includes new 5.5MWp of state-of-the-art PV modules, single axis tracking, inverters, and communications and control system technology.”

“The system Zenith has installed also features high-efficiency, diesel-fuelled generators that combine with our unique control system to optimise solar and diesel power delivery.”

“We are absolutely thrilled with the performance of the system to date, which is saving Nova in the order of 6,500 litres of diesel every day. Importantly, this is the first hybrid Solar PV-diesel installation that has been funded on a commercial, standalone basis – without any Government subsidies.”

“As a local, independent power producer we are proud to be at the forefront of delivering cost effective energy solutions that improve environmental outcomes for Australia’s resources industry.”

“This is Zenith Energy at its best – applying outside the box thinking to deliver reliable, cost-efficient power in the most challenging locations.”

IGO’s Chief Operating Officer, Matt Dusci commented:

“At IGO we are striving to reduce our carbon footprint. The implementation of new technologies with the construction of a hybrid-solar system at Nova will enable IGO to reduce our CO₂ equivalent emissions by approximately 6,500t per annum. The solar facility will also decrease our cost structure through reductions in our diesel fuel usage.”

Zenith will supply power from the Solar PV-diesel hybrid system under an initial six-year period, with an option for IGO to extend for a further two years.

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