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VSUN INSTALLS THE FIRST VANADIUM REDOX FLOW BATTERY IN WA ON BUSSELTON FARM

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'Reliable, Renewable and Cost-effective Option for Many Off-Grid Australian Farms'

PERTH-based VSUN Pty Ltd – a wholly-owned subsidiary of Australian Vanadium Limited (ASX: AVL) – has installed the first CellCube, a Vanadium Redox Flow Battery Energy Storage System (VRFB) in Western Australia on a farm near Busselton.

It is the first time a VRFB has been commissioned in the state and the development is an example of the wave of new power options now available for Western Australians, as the energy sector continues to diversify.

The storage system was constructed by world-leading flow battery manufacturer GILDEMEISTER energy storage GmbH in a facility close to Vienna, Austria and then shipped to WA. The total project value of the CellCube storage system and solar PV system is A\$164,000 excluding shipping costs.

AVL managing director Vincent Algar said: "It is expected this farm installation will be the first of many on Australian farms, as vanadium flow batteries can store large amounts of solar and wind power, and they are a perfect option for many off-grid farming operations, particularly in the more remote parts of WA."

"Seeing is believing and the newly-installed CellCube FB10-100 now allows VSUN to showcase the benefits of large energy storage devices to commercial customers.

"This includes the ability to time-shift up to 10 hours of power usage, by storing renewable energy from the solar PV system for later use."

Mr Algar said, aside from agriculture, the GILDEMEISTER storage systems have large cost-saving energy ramifications for a range of industries, including mining and resources.

"Many WA farmers will find installing a vanadium battery, with appropriate solar panels, will be cheaper in the long term, than connecting to the grid or running diesel generators," he said.

Mr Algar said these storage systems can provide reliable three phase power for high energy use applications, such as welding, and the energy system in operation on the Busselton farm – which includes solar power panels and the battery – was good value.

VSUN Renewable Energy Solutions – is a highly progressive, innovative energy business that has capitalised on its international connections and synergies as a wholly-owned subsidiary of resource company Australian Vanadium Ltd.

VSUN is the major distributor of GILDEMEISTER's energy storage systems in Australia. Their CellCubes are based on the vanadium redox flow technology allowing for clean, zero-emission and fast energy supply. The CellCube has been developed over more than 15 years with around 10 years of practical application results and over 100 installations worldwide.

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