

**SIBOX PROVES ABILITY TO TRACK ELECTRICITY PRICING**

**Highlights:**

- Successful integration of SiBox with National Electricity Market pricing
- Consistent heat output maintained despite variable charging cycles representing low and high pricing periods, demonstrating reliability and commercial viability
- Completion of six daily cycles at 700°C, with plans for higher temperature operations

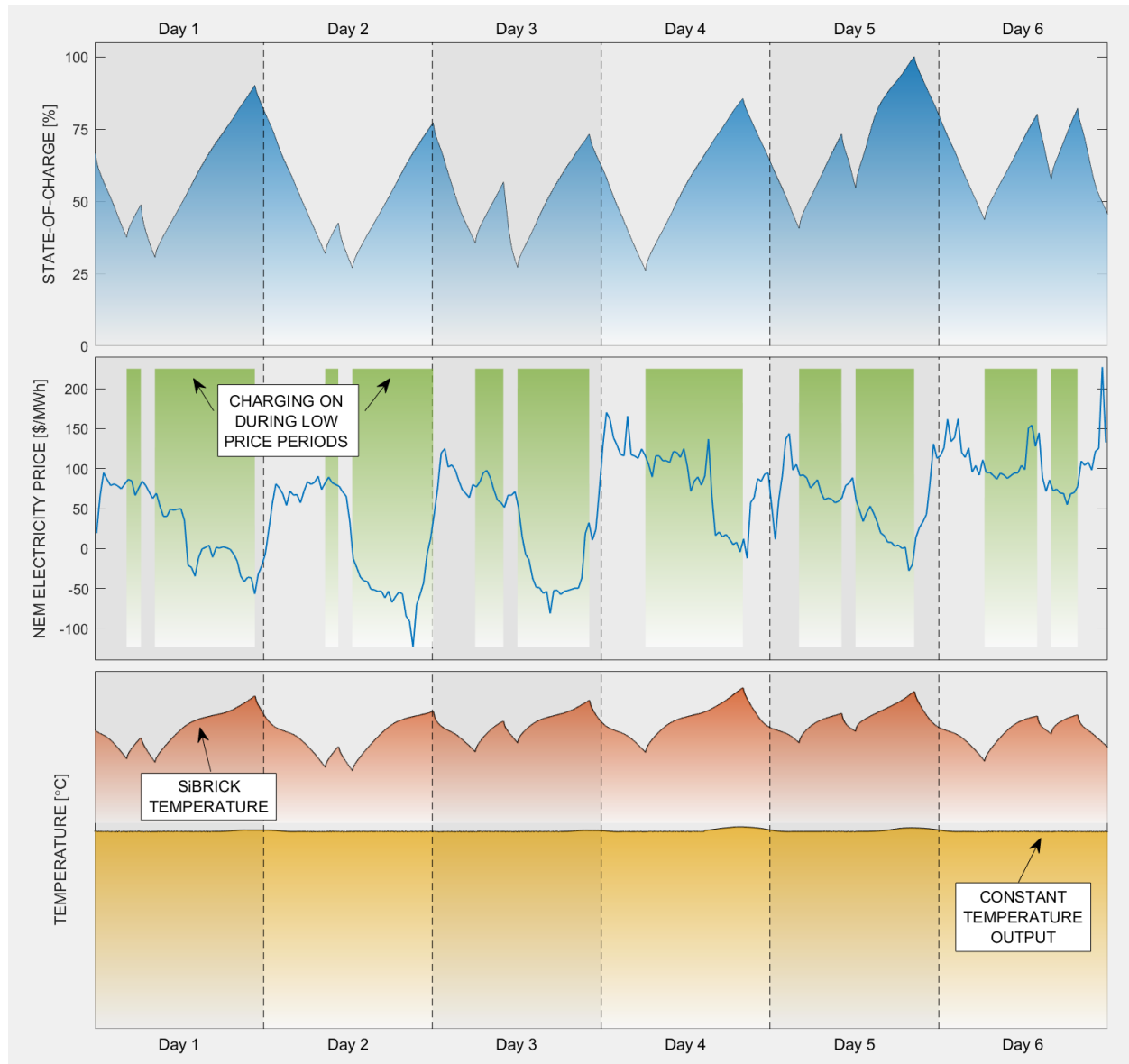


Figure 1. Shows constant heat output (orange) for 6 days with variable storage temperature (red). Top is SiBox state-of-charge (blue). Middle shows NEM price curves (blue line) and SiBox charging status (green is on).



**1414 Degrees Ltd** ("1414 Degrees", "14D", or the "Company") is pleased to announce its SiBox Demonstration Module (SiBox or SDM) is charging according to National Electricity Market (NEM) pricing. This successful new phase of operation showcases the SiBox technology's capability to discharge a constant 24/7 heat output while charging intermittently when electricity is cheaper.

This is an essential requirement for customers as it will allow them to minimise their energy costs while enabling their processes to run continuously. The SiBox successfully completed six daily cycles at 700°C output. Future runs will be conducted at higher temperatures.

This sets the stage for the SiBox to participate in demand management on the NEM to further minimise energy costs. Furthermore, 14D is preparing the SDM to test its ability to provide frequency control ancillary services (FCAS) in the NEM, potentially enabling a new revenue stream for future SiBox installations in the electricity market while also substituting a renewable source of FCAS for the typical fossil fuel source of gas or coal.

#### About FCAS

FCAS are mechanisms in the power grid that maintain the balance between electricity demand and supply, ensuring a stable and reliable frequency. Generating revenue from FCAS involves participating in energy markets, offering to increase or decrease power output rapidly in response to grid imbalances, and receiving compensation for helping maintain system stability.

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#### **ABOUT 1414 DEGREES LIMITED**

1414 Degrees is an innovative clean energy company specialising in thermal energy storage solutions to decarbonise high temperature industry and power generation. 1414 Degrees' SiBrick™ is a mass manufacturable silicon thermal storage which harnesses silicon's extremely high energy density. The SiBox® latent heat battery, one of several applications for SiBrick, provides consistent, carbon-free heat at high temperatures from renewable sources.

In 2019 the Company made the strategic purchase of the Aurora Energy Precinct (AEP) located near Port Augusta, South Australia. AEP is a long-term renewable energy initiative to deliver reliable electricity to the region and National Electricity Market. The precinct has approval for 14D to pilot and demonstrate a large commercial scale version of the SiBox technology.

For more information, please visit [www.1414degrees.com.au](http://www.1414degrees.com.au)



### Forward-looking statements

This announcement includes forward-looking statements which may be identified by words such as 'anticipates', 'believes', 'expects', 'intends', 'may', 'will', 'could', or 'should' and other similar words that involve risks and uncertainties. These forward-looking statements are based on the 1414 Degrees' expectations and beliefs concerning future events as at the date of this announcement. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of 1414 Degrees, which could cause actual results to differ materially from such statements. 1414 Degrees makes no undertaking to update or revise the forward-looking statements made in this announcement to reflect any change in circumstances or events after the date of this announcement.

For more information, please visit [www.1414degrees.com.au](http://www.1414degrees.com.au)