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ASX:14D

1414 DEGREES TO ENHANCE REACTOR TECHNOLOGY WITH SIBRICK™ INTEGRATION

1414 Degrees Ltd ("1414 Degrees", "14D", or the "Company") is pleased to announce that it has obtained an exclusive licence for a new fluid reactor technology (**Reactor**) developed and patented by The University of Adelaide (the **University**).

The novel Reactor design features innovative dual bubble column technology with liquid metal catalysts for high temperature reactions. 1414 Degrees plans to integrate its SiBrick™ silicon thermal storage with the Reactor design, primarily for emissions-free hydrogen production through pyrolysis of methane. Integrating SiBrick with the Reactor will allow the use of intermittent renewable energy in the process, which requires constant very high temperatures to maintain continuous hydrogen production.

The University of Adelaide will continue to develop its Reactor design under a sub-licence for teaching and research purposes.

On successful commercialisation 1414 Degrees will pay royalties to the University. The licence term is 20 years and the agreement includes an option for 1414 Degrees to purchase the intellectual property in the future.

AUTHORISED BY:

Dr Kevin Moriarty, Executive Chairman on behalf of the Board of Directors

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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

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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

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