

## ASX Announcement

5<sup>th</sup> July 2021

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### RHI Magnesita and Calix Limited execute MOU to advance CO<sub>2</sub> emissions reduction in the refractory industry.

**Sydney, Australia | 5<sup>th</sup> July 2021** – Multi-award-winning Australian technology company Calix Limited (ASX:CXL, **Calix** or **the Company**) is pleased to announce it has executed a Memorandum of Understanding (**MOU**) with RHI Magnesita N.V. (LON:RHIM) (**RHI Magnesita**), the leading global supplier of high-grade refractory products, systems and solutions. The MOU covers the development of a Calix Flash Calciner for use in the production of refractory materials, which will enable CO<sub>2</sub> separation for either utilisation or storage.

Under the terms of the MOU, Calix and RHIM have agreed to undertake studies up to and including basic Front End Engineering and Design for a commercial-scale demonstration facility at an RHI Magnesita site.

RHI Magnesita and Calix commenced first discussions around the potential for reducing the CO<sub>2</sub> footprint of the refractory production process in early 2019. Calix has been processing magnesite, the main raw material in the production of refractories, since 2013 in its Bacchus Marsh facility for water treatment products. The application of Calix's technology to refractory products has been the subject of pilot scale test work during 2020, with larger scale test work currently underway.

Separation and storage or reuse of CO<sub>2</sub> released from carbonate minerals is a crucial step in decarbonising the refractory industry and thus the production processes of materials such as steel, cement and lime.

**Luis Bittencourt, Chief Technology Officer, RHI Magnesita**, said: "We are pleased to be working with Calix on this project, which is a key part of the research and development programme on CO<sub>2</sub> emissions reduction that we are carrying out over the next five years. Together with our partners at Calix, we are seeking to develop new technologies for the capture, storage and utilisation of CO<sub>2</sub> that would otherwise be emitted during the refractory production process."

**Phil Hodgson, Managing Director of Calix**, said: "We are delighted to be working with RHI Magnesita, the world's leading refractory company, on this important opportunity to help decarbonise the refractory industry, as well as looking at strategic opportunities in our high reactivity magnesium oxide businesses."

This announcement has been authorised for release to the ASX by:-

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## About Calix

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Calix is a team of dedicated people developing a unique, patented technology to provide industrial solutions that address global sustainability challenges.

The core technology is being used to develop more environmentally friendly solutions for sustainable processing, advanced batteries, crop protection, aquaculture, wastewater and carbon reduction.

Calix develops its technology via a global network of research and development collaborations, including governments, research institutes and universities, some of world's largest companies, and a growing customer base and distributor network for its commercialised products and processes.

Because there's only one Earth – Mars is for Quitters.

**Website:** <https://www.calix.global/>  
**Twitter:** @CalixLimited  
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