

16th May, 2022

Calix and Boral to develop carbon abatement project with \$30m in Government Funding

Sydney, Australia | 16th May, 2022 – Australian environmental technology company Calix Limited (ASX: CXL) (“Calix” or “the Company”) is pleased to announce, in collaboration with Boral Limited (ASX: BLD), a carbon abatement project with \$30m in funding from the Australian Government’s *Carbon Capture, Use and Storage (“CCUS”) Hubs and Technologies Program*.

Highlights:

- Boral to receive \$30m to develop a CCUS project (“**the Project**”) at its cement and lime facilities in the NSW Southern Highlands, targeting 100,000 tonnes per year of CO₂ capture.
- Calix will be supplying its Low Emissions Intensity Lime and Cement (“**LEILAC**”) technology to the Project.
- The Project will be developed in three phases:
 - The initial feasibility assessment phase will focus on a Basis of Design (“**BOD**”), commercial agreements and assessment including CO₂ use options
 - Phase two will concentrate on Front End Engineering and Design (“**FEED**”) leading to a final investment decision (“**FID**”)
 - Phase 3 will involve detailed Engineering, Procurement and Construction (“**EPC**”) leading to commissioning and operation.

The Project, undertaken by Boral in collaboration with Calix, will help accelerate Calix’s LEILAC technology through development of both cement and lime deployment options, as well as alternative fuels and renewable energy use.

Since 2019, Calix’s LEILAC technology has been piloted with leading cement and lime companies in Europe and recently attracted US-based impact investment fund Carbon Direct to invest directly into the LEILAC technology to accelerate global development and deployment.

The Project, in the NSW Southern Highlands aims to:

- (i) Develop CO₂ capture capability for Boral’s cement and lime facilities,
- (ii) Assess alternative energy sources such as renewable energy and alternative fuels, to further reduce CO₂ emissions.

Options for utilisation of the CO₂ from the Project will also be assessed which, when combined with alternative fuels or renewable energy to power the technology, are targeted to create truly zero emissions lime and cement.

The Project objectives are aligned with the Government’s Technology Roadmap to reach net zero emissions by 2050 and to lower the cost of Carbon Capture, Use and Storage to less than \$20/tonne.

This funding will now support Boral and Calix in finalising key commercial terms and commencing design. If the initial feasibility phase, which is expected to take about twelve months, is successful, a full FEED study will follow leading to an FID, followed by an EPC and operational phase.

Boral Chief Operating Officer Darren Schulz said:

“This is game changing technology for our industry and will play a critical role in supporting customers’ sustainability targets.

Together, Boral and Calix have access to the required infrastructure, technology and operational expertise required to deliver this project and lead the way in reducing emissions across the industry.

By modernising Australia’s cement industry, we are enabling the growth of lower carbon construction materials, which are essential to jobs and local economies”

Calix Managing Director and CEO Phil Hodgson said:

“Calix has been working hard advancing our technology in Europe, but this project represents an acceleration in carbon abatement ambition that has occurred in Australia over a very short timeframe, led by companies such as Boral, and with the support of the Federal Government and the Technology Investment Roadmap and CCUS Technologies Program.

It is great to be working with an Australian company such as Boral, with an Australian, home-grown technology, in a world-leading project.”

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

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About Calix

Calix is a team of dedicated people who are urgently developing great businesses, leveraging our patented technology, that deliver positive global impact.

The core technology is being used to develop more environmentally-friendly solutions for water treatment, CO₂ mitigation, biotechnology, advanced batteries, and more sustainable mineral and chemical processing.

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/>
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