

Calix News

Issue 52 | July 2026

Mars is for quitters



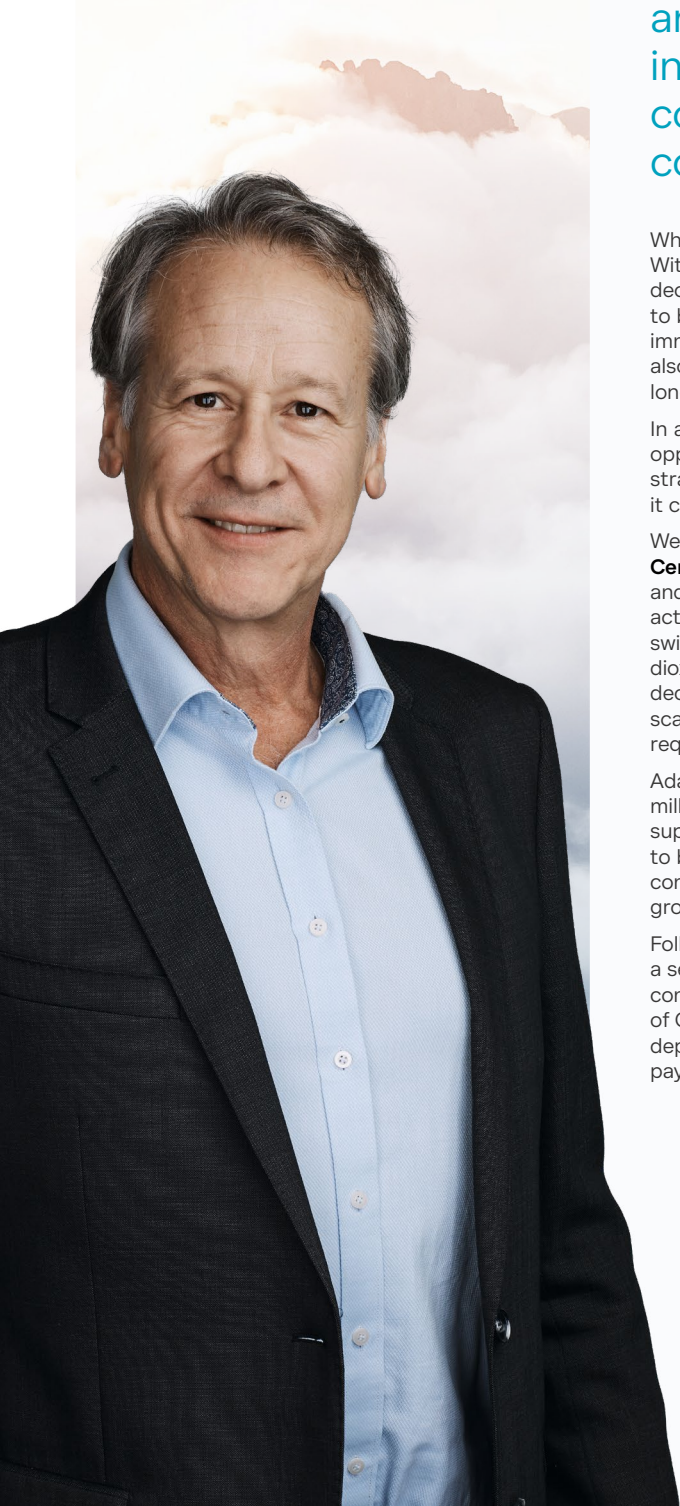
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WELCOME TO ISSUE 52 OF THE CALIX NEWSLETTER

A MESSAGE FROM THE CEO



Since our last edition in February, the world has continued to change quickly. War in Iran and fuel supply shocks have driven further inflation and volatility in global markets, compounding the challenging economic conditions businesses face.

While we cannot control geopolitics or markets, we can control how we react. With the priorities of much of global industry currently shifted from long-term decarbonisation commitments to near-term economic pressures, we have continued to broaden the value proposition of our platform technology. Our focus on delivering immediate economic benefits to customers aims to drive near-term adoption, while also delivering future-proof solutions that can significantly reduce emissions in the longer term.

In addition, we have continued our focus on immediate revenue generation opportunities, disciplined cash management, and a capital-light commercialisation strategy. These efforts aim to ensure the Group has a firm financial footing from which it can deliver commercial milestones.

We were delighted to recently announce such a milestone—a **partnership with Adani Cement**—following the signing of a Joint Development Agreement between Leilac and the Adani Group's Ambuja Cements. This partnership reflects our strategy in action—a business case today centred around the economic benefits from energy switching, enhanced productivity, and low-cost capture and use of unavoidable carbon dioxide, with future-proof pathways to meet climate goals. Subject to a successful 'go' decision, the partnership aims to move as quickly as possible to a large commercial scale deployment under a technology licence agreement, with no capital expenditure required by Calix or Leilac.

Adani Cement are among the top ten cement producers globally, with over 100 million tonnes of annual production, and ambitions for substantial further growth in support of India's continued development. The partnership therefore has the potential to be both a fast and zero capital route to deployment of the Leilac technology at commercial scale, and an opportunity to replicate it across an extremely large and growing cement fleet.

Following the partnership with Ambuja Cements, Leilac signed a contract to develop a second project, this time with a **new cement partner in East Asia** (who remain commercial-in-confidence). With the aim of capturing and utilising ~100,000 tonnes of CO₂ per annum, this project also offers a zero-capital route to commercial deployment, with all project costs fully customer funded, including immediate payment for Leilac's engineering services.

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Our focus on delivering immediate economic benefits to customers aims to drive near-term adoption, while also delivering future-proof solutions that can significantly reduce emissions in the longer term.

Last month, we also celebrated the official **opening of our lithium Mid-Stream Demonstration Plant** with PLS. Western Australia Premier Roger Cook officially cut the ribbon, and together with ARENA Chair Justin Punch, emphasised the high potential of our platform technology, not only for the lithium market, but across multiple minerals and metals. Importantly for Western Australia, this includes the production of green iron.

The opening of the Mid-Stream Plant followed two notable announcements. A restructure to our partnership with PLS saw PLS assume full ownership of, and funding responsibility for, the plant. PLS were then awarded a grant from ARENA of up to \$38.1m to help subsidise an estimated total project cost of \$139.2m to commission and operate the plant for approximately two years. Our restructure with PLS ensured Calix is not required to contribute to these operating costs—as we otherwise would have as a Joint Venture partner—while also releasing our net capital contribution to the project. In return, PLS received a royalty free licence to use the Calix technology, while Calix retained upside exposure to potential third-party licensing revenues. The restructure therefore realigned the Mid-Stream project with our commercialisation strategy—capital-light, customer-funded and fast-tracked commercial operations.

This newsletter features other examples of our strategy in action. Calcined clay offers a lower carbon-intensity and potentially lower cost material that can partially replace conventional cement clinker as a 'supplementary cementitious material', or SCM. Unlike cement clinker made from limestone, it does not release unavoidable carbon dioxide when processed. What's more, it is calcined at lower temperatures, enabling potential energy cost and emissions savings. So far in 2026, we have marked **two milestones in the commercialisation of our technology for calcined clays**, with Boral completing successful product trials of a low-carbon concrete using clay calcined by Calix, and a commercial toll processing agreement signed with Green360 Technologies.

In our Magnesia business, our water treatment products aim to offer a more cost-effective, as well as safer and more sustainable alternative to conventional chemicals like caustic soda. Adding to the value of our product is our dosing and monitoring systems, which can deliver further cost savings and improved outcomes for water treatment networks. As an example, this newsletter includes a short case study that highlights the value of our dosing and monitoring capabilities for better wastewater treatment.

Also featured in this edition are commercialisation progress updates in two of our largest target markets, alongside major global partners. **In alumina, we have completed pilot-scale material testing of Hydro's feedstock material from its Alunorte refinery in Brazil.**

The results from this testing are now informing next steps for the project, including providing engineering data for future plant designs. In iron and steel, we continue to make progress towards a final investment decision for our Zesty Green Iron Demonstration Project, and you can read more about **Zesty's progress with patents, pilot campaigns, and milestones with ARENA and our joint development partner, Rio Tinto.**

As we mark the end of the 2026 financial year, we look forward to providing an update on our Group's performance at the publication of our 2026 Annual Reporting suite and financial results webinar later in August.



Phil Hodgson
Managing Director & Chief Executive Officer

SAVE THE DATE

Calix 2026 Financial Results

10.30am AEST, Wednesday 26 August 2026

Join Calix CEO and Managing Director, Phil Hodgson and CFO, Darren Charles for Calix's FY26 Results webinar.

Subscribe at <https://calix.global/investor-centre> to receive Calix's company announcements, including upcoming FY26 Results webinar registration details and the full 2026 Annual Reporting suite.

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LEILAC
COMMENCES
COMMERCIAL
CEMENT
PROJECTS IN
ASIA, INCLUDING
WITH THE ADANI
GROUP'S AMBUJA
CEMENTS

LEILAC COMMENCES COMMERCIAL CEMENT PROJECTS IN ASIA, INCLUDING WITH THE ADANI GROUP'S AMBUJA CEMENTS

Calix recently announced a significant milestone for its Leilac business, with the execution of a Joint Development Agreement (JDA) between Leilac Limited and the Adani Group's Ambuja Cements.

Following this announcement, Leilac signed a second contract to develop a commercial cement project in East Asia. Both projects require zero capital expenditure by Calix or Leilac and aim to deliver an immediate economic business case alongside a fast and cost-effective route to commercial deployment of the Leilac technology in the global cement market.



Ambuja Cements' Sanghi cement plant in Sanghipuram, Gujarat's Kutch district

Commercialisation in partnership with Adani's Ambuja Cements

The partnership between Leilac and the Adani Group's Ambuja Cements aims to jointly develop a commercial-scale cement project at the Sanghi cement plant in Gujarat, India.

Adani Cement is the building materials solutions business of the diversified Adani Group and comprises Ambuja Cements Limited and ACC Limited. With an annual cement production capacity of ~109 million tonnes, Adani Cement is the 9th largest cement producer globally and accounts for nearly 30% of the cement used in India's housing and infrastructure projects.¹

The partnership marks an important step in Ambuja Cements' broader decarbonisation strategy and supports its SBTi-validated net zero target for 2050. As the Company advances the electrification of cement manufacturing to increase the use of renewable energy, backed by nearly 1 GW of captive green power, it is laying the groundwork to scale breakthrough solutions such as carbon capture.

1. <https://www.adani.com/businesses/materials/cement>

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Our partnership with Leilac reflects our commitment to evaluating next-generation technologies that can reduce process emissions while improving energy efficiency and supporting long-term sustainable growth.

Karan Adani,
Director, Ambuja Cements

About the Leilac project at the Sanghi cement plant

Located at Ambuja Cements' Sanghi cement plant in Sanghipuram, Gujarat's Kutch district, which has a total clinker production capacity of 6.6 million tonnes per year, the Leilac technology will aim to deliver key benefits, including:

- Reduced energy costs and fuel emissions via hybrid electric heating
- Enhanced production capacity
- Improved economics of carbon capture, strengthening the business case for large-scale deployment of carbon capture and utilisation.

The project aims to retrofit the Leilac technology with minimal downtime for the Sanghi cement plant through a phased deployment. A first commercial demonstration module is designed to enable technology development and evaluation. Subject to successful demonstration, the project could be expanded to capture more than 1 million tonnes of process carbon dioxide per annum, helping establish a scalable pathway for low-carbon cement production in India and beyond.

Karan Adani, Director, Ambuja Cements, said: “The cement industry's transition to a lower-carbon future will require bold thinking, technological innovation and collaboration across the value chain. Our partnership with Leilac reflects our commitment to evaluating next-generation technologies that can reduce process emissions while improving energy efficiency and supporting long-term sustainable growth. This initiative aligns with our vision of building world-class manufacturing operations for the future.”

Daniel Rennie, CEO, Leilac Limited, said: “Ambuja Cements operates one of the world's largest and most advanced cement manufacturing networks. We're delighted to begin this collaboration to deliver a commercial-scale project for low-cost, low-carbon cement production. Together, we aim to demonstrate an economic, replicable and future-proof solution for the global cement industry.”

A capital-light pathway to commercial-scale deployment

Leilac and Ambuja Cements will jointly undertake an engineering study to enable a go/no-go decision to proceed with construction. There is no capital required during the development phase and, if a decision is made to construct, no capital is required from Calix or Leilac during the construction, commissioning or operating of the plant. Further project milestones and timelines will be established during the engineering study.

Leilac will support the project's development from its existing internal resources. Adani will support the project from its own internal, as well as external engineering resources. The go / no go decision is targeted in 2027, with a back stop date of June 2028. Prior to the go/no-go decision, Leilac and Ambuja Cements intend to negotiate a licence agreement for use of the Leilac technology.

Building momentum across Asia-Pacific

The Adani partnership was complemented by further progress across the Leilac pipeline, as Leilac announced another commercial cement project, this time with a new partner in East Asia.

This project aims to retrofit Leilac's hybrid electric heating and carbon capture technology and supply approximately 100,000 tonnes per annum of captured process carbon dioxide for use by local industry.

Leilac will conduct a paid engineering study to assess the technical and economic viability of deploying the Leilac technology at a cement plant in East Asia. The engineering study is expected to be completed in the first half of the 2027 Financial Year. All project costs are to be funded by the customer. Further project phases are subject to mutual agreement following completion of the engineering study.

Strategic importance: scale, speed and economics

The two new projects in Asia provide potential low-cost and accelerated pathways to commercial deployment of the Leilac technology.

The projects have been structured to:

- Deliver immediate economic benefits through energy savings, productivity improvements and/or use of captured carbon dioxide
- Future-proof cement production through the Leilac technology's ability to capture unavoidable CO₂ emissions
- Deliver zero capital, customer funded commercial deployment pathways
- Provide a scalable, replicable model for deployment of the Leilac technology.

This approach aligns with Calix's broader strategic focus on projects that combine near-term economic returns with a clear route to large scale deployment and climate impact.

Leilac project prioritisation

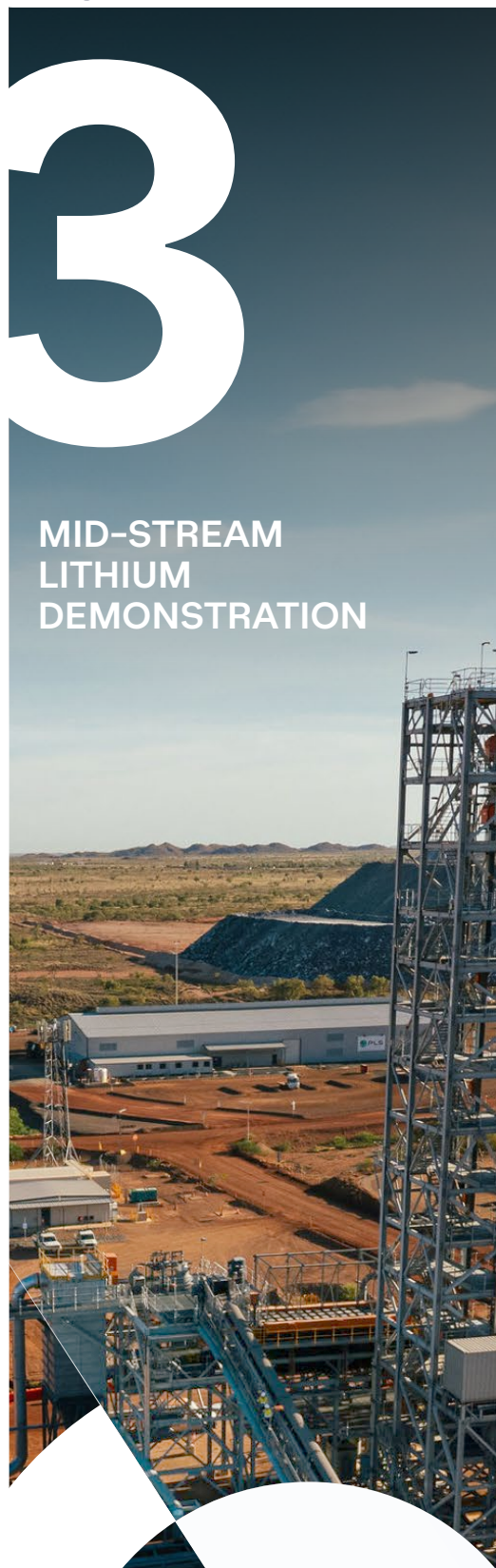
With two cement projects now progressing with no capital requirements, Leilac has undertaken a strategic review of project prioritisation across its project portfolio.

Calix and Leilac are increasing their focus on a capital-light, customer-funded commercial deployment model, prioritising:

- Projects requiring no capital contribution from Calix or Leilac
- Near-term revenue generation opportunities
- Fast pathways to commercial-scale deployment.

Priority is given to projects that meet these criteria, including projects with the Adani Group's Ambuja Cements, Leilac's new cement partner in East Asia, and the carbon dioxide removal project supported by funding from Frontier.





MID-STREAM LITHIUM DEMONSTRATION

LITHIUM MID-STREAM DEMONSTRATION PLANT MARKS MAJOR MILESTONE FOR CALIX TECHNOLOGY

OPENING A NEW CHAPTER FOR ELECTRIC MINERAL PROCESSING

The official opening of the Lithium Mid-Stream Demonstration Plant at PLS' Pilgangoora Operation in Western Australia marked a significant milestone for Calix's electric calcination technology and its potential to transform processing across multiple industries.

Calix joined project partner PLS, Traditional Owners and representatives from governments and industry to celebrate the milestone, with Western Australian Premier Roger Cook, Australian Renewable Energy Agency (ARENA) Chair Justin Punch and PLS Managing Director and CEO Dale Henderson attending the event.

The ceremony included a welcome to Country, speeches, ribbon-cutting, site tour and media briefing, highlighting the importance of the project for Australia's critical minerals sector and the broader industrial transition.

The Mid-Stream plant is demonstrating electric calcination technology for spodumene processing, with the potential to significantly reduce emissions associated with lithium production and add value to mineral exports.

STRONG SUPPORT FROM GOVERNMENT AND INDUSTRY

In his address, Premier Cook described the opening as "a very important day, not only in the life of PLS, but in the life of the Pilbara" region.

Premier Cook continued, highlighting the significance of the project for Western Australia.

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This project and its electric kiln technology has the potential to be at the cutting edge of the clean energy transition, by reducing carbon emissions by more than 90%.”

Premier Cook added, "The technology that we're deploying here can be carried across to different commodities."

ARENA Chair Justin Punch echoed that sentiment, describing the project as exactly the type of initiative that ARENA seeks to support.





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Calix is a technology we're very excited about. This is technology with application across not just lithium processing but a whole range of other minerals and metals. Very significantly for Australia, it has application in low emissions iron making, and also in cement, which is another major source of global emissions. This is the kind of world leading technology, Australian technology, that could really help us solve these hardest problems”.

Justin Punch
ARENA Chair

The plant opening followed the announcement of up to \$38.1m in grant funding from ARENA to help subsidise an estimated total project cost of \$139.2m to commission and operate the plant for approximately two years. A restructure to the partnership with PLS—which saw PLS assume full ownership of, and funding responsibility for, the plant—ensured Calix is not required to contribute to these operating costs, while also releasing Calix's net capital contribution to the project.

Beyond Lithium

The strong support expressed by both the Western Australian Government and ARENA reflects growing recognition of the role Calix's technology can play in strengthening industrial competitiveness while supporting lower-emissions production.

The project represents more than a demonstration of electrified lithium processing. It showcases a platform technology with applications across iron and steel, cement and lime, alumina and other industrial sectors.

As industries around the world seek to add value to more future-proof operations, technologies that can be deployed to deliver multiple economic and environmental benefits will play an increasingly important role.

Calix thanks PLS, ARENA, the Western Australian Government and all project partners for their continued support as the project progresses into commissioning and operational validation.

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**ZESTY PATENTS,
PILOTS AND
PROGRESS TOWARDS
COMMERCIAL
DEMONSTRATION****ZESTY PATENTS,
PILOTS AND PROGRESS
TOWARDS COMMERCIAL
DEMONSTRATION**

Calix continues to advance its Zero Emissions Steel Technology (Zesty™) through intellectual property (IP) development, pilot-scale testing and progression of the Zesty Green Iron Demonstration Project in Rockingham-Kwinana, Western Australia.

**FIRST ZESTY PATENT GRANTED
IN AUSTRALIA**

Calix recently achieved an important IP milestone with the formal grant of its first Zesty patent in Australia.

The patent protects the core Zesty invention and represents an important step in building the intellectual property portfolio supporting Calix's green iron technology. The grant follows several years of technology development, testing and progress towards commercialisation since the patent was initially filed in 2021.

The granting of the patent establishes foundational protection in Australia for Zesty, the application of Calix's platform technology for low-carbon iron and steel production. Corresponding patent applications are being pursued in key international jurisdictions, while additional patent filings have been submitted to protect further developments relating to both Zesty and the broader Calix platform technology.

The Zesty technology is designed to produce green iron using Calix's core indirect heating platform. It aims to enable a low-cost pathway to green iron production through flexible electric heating, minimal hydrogen consumption, processing of iron ore fines and lower-grade ores, and elimination of the need for ore pelletisation. Protecting these innovations is an important step as Calix progresses Zesty from pilot testing towards commercial demonstration and future deployment through technology licensing.

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As a technology development and licensing company, Calix continues to build and protect intellectual property across both its core platform technology and application-specific developments.

This milestone reflects the contribution of multiple teams across the business and reinforces Calix's strategy of translating technical innovation into long-term value through IP, technology licensing and deployment.





PILOT UPGRADES AND UPCOMING CAMPAIGN

To continue Zesty's development and support the successful delivery of the Demonstration Project, a third Zesty pilot-scale testing campaign will commence at the Calix Technology Centre in Bacchus Marsh, Victoria later this year.

Pilot-scale testing plays an important role in validating process performance, generating engineering data and supporting technology development. Previous campaigns demonstrated the potential of Zesty to produce green iron from a range of iron ore feedstocks, including lower-grade Australian ores.

The upcoming campaign is designed to support further technical development and derisking for Zesty, while also expanding the range of ores for testing to include international iron ores. Planned upgrades to the pilot plant and the subsequent testing campaign aims to:

- Enable semi-continuous operations, and in turn greater volumes of direct reduced iron to be produced and tested by customers in downstream processes.
- Improve the processing of ultrafines—very small iron ore particles that are typically challenging to handle—in turn supporting improved product yields.
- Test alternative reductants, such as natural gas and reformed natural gas, as a potential transitional option prior to improved economics and availability of renewable hydrogen. In turn, this aims to enable Zesty to broaden its commercial value proposition, immediate economic benefits and potential global market reach.

Together, these upgrades are designed to expand the range of operating conditions and feedstocks that Zesty can target, generate additional engineering and process data, and support the continued commercialisation of Zesty.

Towards commercial demonstration

Alongside technology development activities, Calix continues to progress the Zesty Green Iron Demonstration Project towards a Final Investment Decision.

The project is supported by a grant of up to \$44.9 million from the Australian Renewable Energy Agency (ARENA), subject to matched funding, and is being developed with support from Rio Tinto under a non-exclusive joint development agreement that commits over \$35 million in cash and in-kind support, subject to project milestones.

Following completion of initial project milestones, Calix has received a first grant payment of \$2 million from ARENA, and a first cash contribution of \$3 million from Rio Tinto.

The project is designed to demonstrate a modular and replicable commercial-scale reactor, with a nameplate capacity of up to 30,000 tonnes per annum of hydrogen direct reduced iron or hot briquetted iron. Targeted project outcomes include supporting the development of a green iron industry in Australia, the future competitiveness of Australian iron ore in a lower-emissions steel value chain, and the global deployment of the Zesty technology at commercial scale.



TOWARDS ZERO
EMISSIONS
ALUMINA

CALIX AND HYDRO COMPLETE PILOT ELECTRIC CALCINATION TESTS FOR ZERO EMISSIONS ALUMINA

Calix and Hydro have completed a comprehensive pilot-scale test campaign to produce smelter grade alumina using Calix's electric calcination technology. The campaign forms part of an ongoing collaboration to develop electric calcination as a potential pathway to significantly reduce emissions from alumina refining.

Between October 2025 and April 2026, Calix's fully electric and renewably powered multi-purpose pilot-scale calciner at the Calix Technology Centre in Bacchus Marsh, Victoria, was used to process aluminium tri-hydrate feed material from Hydro's Alunorte refinery in Brazil. The test program was designed to evaluate the Calix technology's capability to produce smelter-grade alumina, while also generating engineering data to support the design of a novel, scalable electric calciner for commercial alumina applications. The campaign examined a wide range of operating conditions, including, feed rate, reactor configuration, residence time and temperature profiling. In total, 68 test conditions were completed across the three-stage pilot program.

The results were highly encouraging. Calix's smelter-grade alumina was successfully produced from the Alunorte feed material, meeting Hydro's product specification requirements under the conditions tested. The campaign confirmed calcination temperature as the primary driver of conversion and product quality, with high-temperature single-pass operation providing a strong basis for future scale-up assessment. Reactor configuration was also shown to be an important lever for balancing product quality and energy efficiency.

Following review of the pilot test results, Calix and Hydro intend to establish the next phase of the collaboration, including a potential engineering study for a bespoke design that tailors the Calix technology for application in alumina calcination.

Calix General Manager, Sustainable Processing, Chris Ormston said:

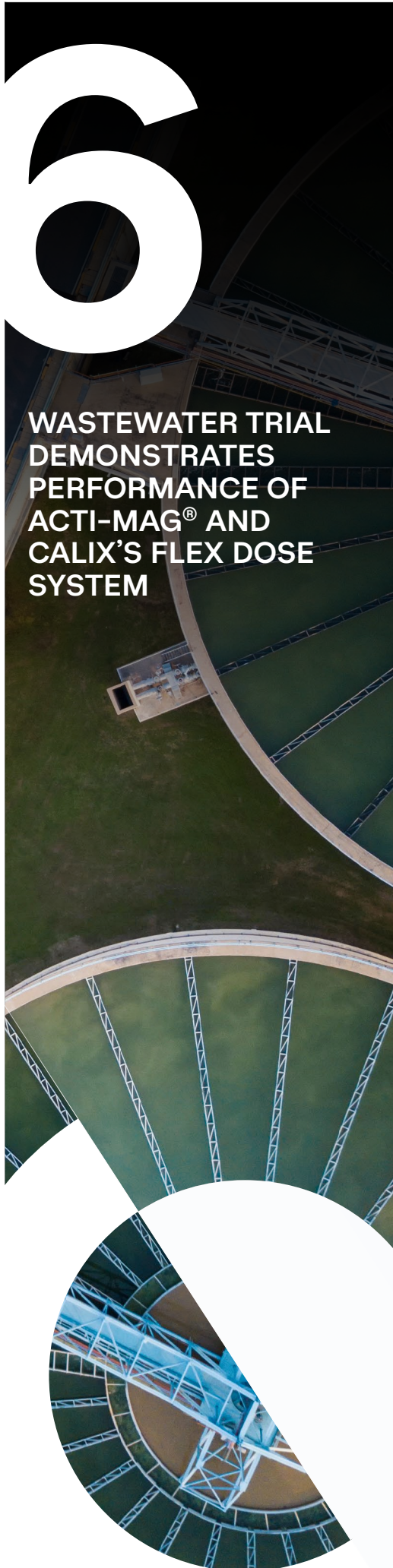
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This pilot campaign successfully demonstrated the production of smelter-grade alumina from Alunorte hydrate with electric heating. The results provide a strong technical basis to advance our zero emissions alumina technology alongside Hydro.



 calix


Hydro



WASTEWATER TRIAL DEMONSTRATES PERFORMANCE OF ACTI-MAG® AND CALIX'S FLEX DOSE SYSTEM

WASTEWATER TRIAL DEMONSTRATES PERFORMANCE OF ACTI-MAG® AND CALIX'S FLEX DOSE SYSTEM

ADDRESSING ODOUR AND CORROSION CHALLENGES

An Australian water utility, operating an extensive sewer treatment network, recently engaged Calix to address odour and corrosion challenges.

The customer had observed elevated hydrogen sulfide levels at a long-retention transfer pump station, contributing to odour and corrosion issues. Although the asset had only recently been commissioned, signs of corrosion had already been identified. Methane was also detected at the site, triggering requirements for ATEX-rated instrumentation.

SMART MONITORING AND DOSING DELIVERS MORE EFFECTIVE WASTEWATER TREATMENT

To address the site-specific challenges, Calix designed and implemented a tailored dosing and monitoring strategy, leveraging its ACTI-Mag® product and proprietary mobile Flex Dosing System.

During a three-month trial, continuous hydrogen sulfide and methane monitoring informed flexible and responsive dosing. As a result, hydrogen sulfide concentrations were reduced by 95%, bringing levels below corrosion thresholds and significantly improving workplace safety. Methane concentrations were reduced by 67%, falling well below the Lower Explosive Limit (LEL).

FROM TRIAL TO ONGOING APPLICATION

Following the successful trial, the customer has implemented a permanent Calix dosing solution at the site. Discussions are now underway to expand use of Calix's ACTI-Mag product and Flex Dosing Systems to additional locations across the utility's network, building on the outcomes achieved during the trial.



95%

REDUCTION IN
HYDROGEN SULFIDE

67%

REDUCTION IN
METHANE

Calix's Flex Dose system for
smart monitoring and dosing in
wastewater treatment



CALCINED CLAY: FROM COMMERCIAL PRODUCTION TO CONCRETE PRODUCTS

FROM COMMERCIAL PRODUCTION TO CONCRETE PRODUCTS – CALIX MARKS CALCINED CLAY COMMERCIALISATION MILESTONES

THE ROLE OF CALCINED CLAY IN LOWER-CARBON CEMENT

Calcined clay is a supplementary cementitious material (SCM) that can be used to partially replace conventional cement clinker to deliver two potential advantages. First, SCMs do not release process carbon dioxide emissions when made. Unlike clinker production, which unavoidably releases carbon dioxide from the raw material, clay calcination primarily produces water as a byproduct. Therefore, if an SCM such as calcined clay replaces a portion of carbon-intensive cement clinker, it commensurately reduces the carbon footprint of the final cement or concrete product. Second, SCMs have the potential to further reduce the cost and environmental footprint of the product, as they may reuse waste products and/or require lower temperatures to make.

As the cement and concrete industry seeks to reduce emissions and costs, interest in SCMs is increasing. The use of typical SCM materials, however, such as fly ash from coal power plants and slag from steel production, are expected to become increasingly restricted as these industries transition to lower carbon intensity processes.

Clay offers a highly prospective alternative SCM material. It is widely available, particularly in regions with high cement demand but limited access to conventional SCMs, and can be processed at lower temperatures than conventional cement clinker. The potential to utilise locally available clay resources as an SCM therefore offers a solution for regional cement markets to reduce their costs and emissions while maintaining supply chain resilience.

Beyond its use as a SCM in conventional cement blends, calcined clay also has the potential to support next-generation lower-carbon cement formulations. These include blended cements that utilise higher proportions of calcined clay to replace clinker, further reducing the carbon intensity of the cement product. While widespread adoption of next generation cements will depend on evolving standards, specifications and market acceptance, these formulations represent an additional mid to long-term opportunity for calcined clay.

Benefits of the Calix technology for calcining clay

Calix's platform technology is being applied to the production of calcined clays to support the development of lower-carbon cement and concrete products using locally available clay resources. Calix's indirect heating technology aims to deliver multiple potential benefits for calcined clay production.

- Lower carbon-intensity and cost: The Calix technology enables full electrification of the energy requirement for clay calcination, including the potential for flexible operations compatible with variable renewable energy sources. Calix's electric calcination technology can therefore avoid carbon emissions from energy use and unlock access to periods of low-cost electricity to further reduce the carbon intensity and cost of the product.
- Improved product quality: Control over the process environment enabled by Calix's indirect heating approach can prevent oxidation, thereby providing control over the product colour.
- Improved production efficiency: For suitable clay deposits containing both kaolinite and carbonate phases, precise control of temperature and atmosphere may allow selective activation of the kaolinite while preserving carbonate minerals, with the potential to reduce energy consumption and improve product quality.





Commercial production with Green360 Technologies

In March 2026, Calix announced an agreement with Green360 Technologies (GT3) to produce commercial quantities of calcined clay at the Calix Technology Centre in Bacchus Marsh, Victoria.

Under the agreement, clay feedstock from GT3's kaolin operation in Pittong, Victoria is toll processed using Calix's CFC15k flash calciner. The arrangement is designed to support the commercial production of calcined clay products for use in lower-carbon cement and concrete applications.

Commercial concrete milestone with Boral and Smartcrete CRC

Further progress was achieved through a collaboration with Boral, which announced the successful completion of a field trial as part of the M1 Pacific Motorway extension in New South Wales, Australia. The trial involved a commercial concrete pour using a calcined clay cement blend. The milestone demonstrated the use of calcined clay produced by the Calix technology in a commercial concrete application and represented an important step in deploying the material for broader use within the Australian construction sector.

The trial built on successful product development and a collaborative R&D project involving Calix, Boral, UTS, Transport for NSW and the Smartcrete CRC to assess the application of calcined clay in cement and concrete products.

Continued progress in calcined clay

Together, the GT3 toll processing agreement and Boral / Smartcrete concrete trials demonstrate continued progress in the development and evaluation of calcined clay products for the construction sector.

The work forms part of Calix and Leilac's efforts to develop multi-pronged and lowest cost solutions to future-proof cement making. Alongside enabling the production of calcined clay as an SCM, the core technology continues to be developed to reduce fuel emissions and costs, and to capture the remaining unavoidable carbon emissions in conventional cement production.

Calix and Leilac continue to provide material testing, engineering services and commercial production capabilities to support its partners develop lower cost and lower carbon cement, including supporting growing demand for calcined clays as SCMs.





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