

ASX Announcement

February 24, 2021

1H FY21 Results PowerPoint Presentation

Sydney, Australia | February 24, 2021 – Multi-award-winning Australian technology company Calix Limited (ASX: CXL) ("Calix" or "the Company) is pleased to provide the following PowerPoint presentation that accompanies the 1H FY21 results announcement.

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

Phil Hodgson, Managing Director and CEO Calix Limited 9-11 Bridge Street Pymble NSW 2073 Ph +61 2 8199 7400

About Calix

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 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/
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Calix FY21 Half Year Financials + Update February, 2021

Solving global challenges

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Important Disclaimer



This presentation has been prepared by Calix Limited (ABN 36 117 372 540) ("Company").

SUMMARY INFORMATION

This presentation contains summary information about the Company and its subsidiaries ("Calix") and their activities current as at 24th February, 2021. The information in this presentation is a general background and does not purport to be complete.

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FINANCIAL DATA

All dollar values are in Australian dollars (\$ or A\$) and financial data is presented as at or for the half-financial year ended 31 December 2020, unless stated otherwise.

PAST PERFORMANCE

Past performance information given in this presentation is given for illustrative purposes only and should not be relied upon as (and is not) an indication of the Company's views on its future financial performance or condition. Investors should note that past performance, including past share price performance, of Calix cannot be relied upon as an indicator of (and provides no guidance as to) future Calix performance including future share price performance.

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This presentation contains certain "forward-looking statements". The words "expect", "future", "anticipate", "estimate", "intend", "believe", "guidance", "should", "could", "may", "will", "predict", "plan" and other similar expressions are intended to identify forward-looking statements. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Forward-looking statements, opinions and estimates provided in this presentation are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forwardlooking statements, including projections, guidance on future earnings and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance. Such forward-looking statements are by their nature subject to significant uncertainties and contingencies and are based on a number of estimates and assumptions that are subject to change (and in many cases are outside the control of Calix and its directors) which may cause the actual results or performance of Calix to be materially different from any future results or performance expressed or implied by such forward-looking statements. The forward-looking statements should not be relied on as an indication of future value or for any other purpose.. No representation, warranty or assurance (express or implied) is given or made in relation to any forward-looking statement by any person (including the Company). In particular, no representation, warranty or assurance (express or implied) is given that the occurrence of the events expressed or implied in any forward-looking statements in this presentation will actually occur. Actual results, performance or achievement may vary materially from any projections and forward-looking statements and the assumptions on which those statements are based. The forward-looking statements in this presentation speak only as of the date of this presentation. Subject to any continuing obligations under applicable law, the Company disclaims any obligation or undertaking to provide any updates or revisions to any forward-looking statements in this presentation to reflect any change in expectations in relation to any forwardlooking statements or any change in events, conditions or circumstances on which any such statement is based. Nothing in this presentation will under any circumstances create an implication that there has been no change in the affairs of Calix since the date of this presentation.

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We believe our responsibility starts at home.

That's why we're driven to use our unique technology to repair, preserve and prevent future harm to it.

Because there's only one Earth, and it's already ours.

FY21 Half Year Financial Results Highlights

Solving global challenges

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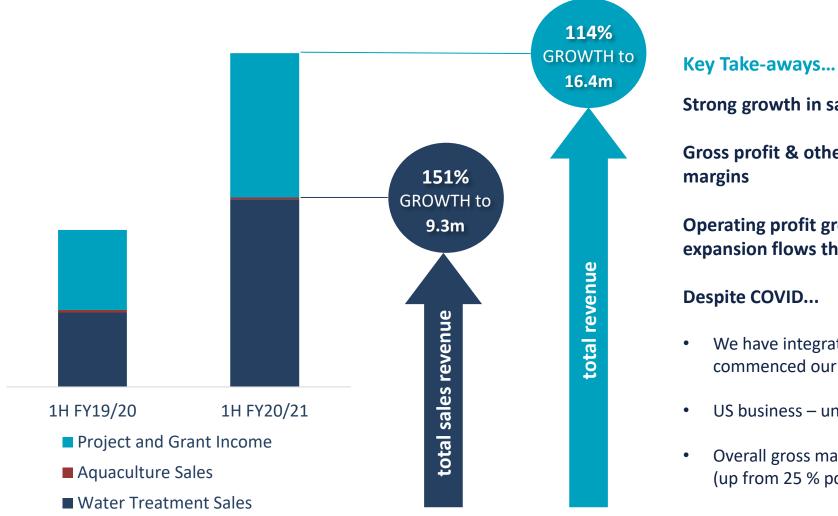
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Summary of Results 1H FY21 – Continued Revenue Growth

SALES REVENUES AND PROJECT AND GRANT REVENUES CONTINUE GROWTH TRAJECTORY







Strong growth in sales & total revenue

Gross profit & other income up strongly on growing

Operating profit growing strongly as margin expansion flows through to the bottom line

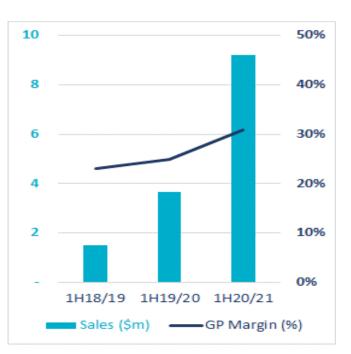
- We have integrated our US acquisition and commenced our growth trajectory
- US business underlying revenue grew 14% pcp
- Overall gross margin grew to 31 % (up from 25 % pcp)

Summary of Results 1H FY21 - Profit & Loss Highlights

ACCELERATING SALES, GROWING OPERATING PROFIT AND RE-INVESTING FOR FUTURE GROWTH



	HY 20/21 (\$000's)	HY 19/20 (\$000's)	Comment
Sales revenue	9,213	3,674	Up 151%
Total revenue	16,271	7,612	Up 114%
Gross Profit & Other income	9,905	4,850	Up 104%
Sales & Marketing expenses	2,902	2,015	
R&D	2,752	2,214	
Admin	1,189	866	
Operating Profit (loss)	3,062	(245)	Up 13.5x



Despite COVID, we continued to grow sales from our municipal & industrial customers – wastewater treatment an "essential service".

The impact of our plant upgrades in the US are starting to flow through to growing gross margin – up from 25% to 31% compared to H1 FY20. Project grant income continues to flow through, with R&D projects funded for up to 3 years. Operating costs have increased in line with consolidation of IER, but GP margin making its way to the bottom line and a strong increase in operating profit.

Summary of Results 1H 20/21– Balance Sheet highlights



GROWING OUR ASSET BASE, VERY LOW DEBT

	31 Dec 2020 (\$000's)	30 June 2020 (\$000's)	Comment
Total Assets	36,155	42,762	
Total Liabilities	11,950	16,532	
Net Assets/Total Equity	24,205	26,230	
Excluding deferred revenue			
Current assets	12,233	19,436	
Current liabilities	4,071	8,290	
Net surplus of current assets over current liabilities	8,162	11,146	
Property, plant & equipment	14,193	14,617	
Intangible assets, including goodwill	8,891	8,005	

Through 2020, we survived COVID and maintained a solid balance sheet – without the need to raise capital to provide additional working capital to the business.

Excluding deferred revenue, which will be recognised as income in the P&L over time, we have a strong surplus of current assets over current liabilities, and very low debt.

Plant assets (LEILAC-1) have been conservatively written down to zero. Leilac-2 is unlikely to be impaired as aggressively.

Intangibles increased slightly as we have finalised the IER acquisition accounting, and to date we have taken a conservative approach and expensed practically all R&D.

Summary of Results 1H 20/21 – Cash Flow Statement highlights



CONTINUED UNDERLYING PRUDENT MANAGEMENT OF CASH

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	HY 20/21 (\$000's)	HY 19/20 (\$000's)	Comment
Operating Cashflows	(3,638)	381	
Payments to LEILAC partners	(4,342)	-	
Investing Cashflows	(4,791)	(12,435)	
PPE	(4,502)	(2,489)	Leilac & US plant upgrades
Intangibles	(289)	(268)	
Business acquired	-	(9,679)	IER in HY19
Financing Cashflows	1,057	15,192	
New share issue	537	15,105	
Movement in debt	520	87	
Cash at end of period	3,710	7,563	

1H FY21 cash outflows associated with LEILAC work impacted Operating Cashflow in the half.

However, for 2020, we generated \$6.2m in Operating cashflow – including those LEILAC payments.

We have continued the investment in our technology platform and plant upgrades in the US to grow margin.

We have access to funding facilities (Export Finance Australia) to assist working capital movements associated with LEILAC projects + have other undrawn debt facilities.

Overview Of Calix

One technology providing breakthrough environmental solutions for multiple industries

O Calix | Solving global challenges

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"Environment / Social / Governance" (ESG) A strengthening investing theme...

GLOBAL ECONOMIES, COMPANIES AND INVESTMENT FUNDS ARE ALL HEADING IN ONE DIRECTION



50% of global GDP* and carbon emissions currently under net-zero commitments. Source: Energy and Climate Intelligence Unit



Companies committed to net-zero emissions CAC 40, DOW 30, FTSE100 and IBEX 35. source: ECOACT



ESG Exchange Traded Funds double in 2020 US\$ 8 billion net inflows in Oct 2020 compared to US\$ 3 billion in Dec 2019 globally. source: BloombergNEF



USD 3 trillion per year to 2030 Global investment capital required to achieve sustainability outcomes**

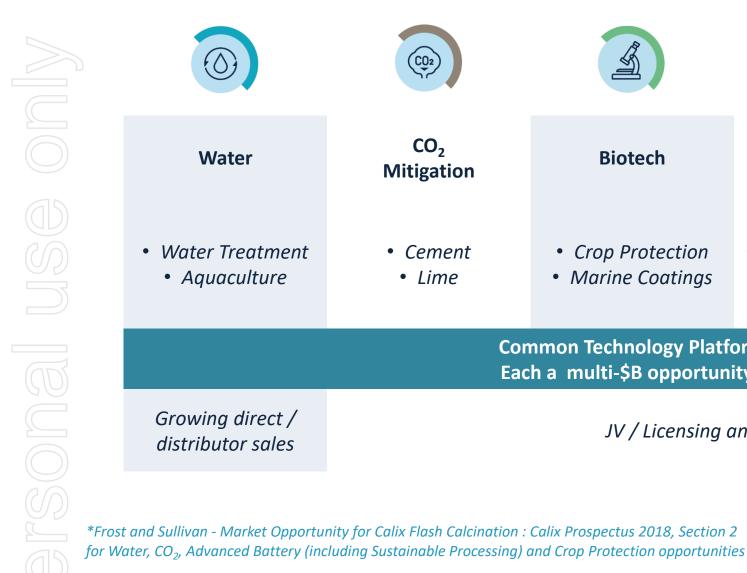
"It's not often an investing theme comes along that is both certain, and certainly huge, but we've got one right now. The theme is climate change, or more specifically, the transition to a zero-carbon world."

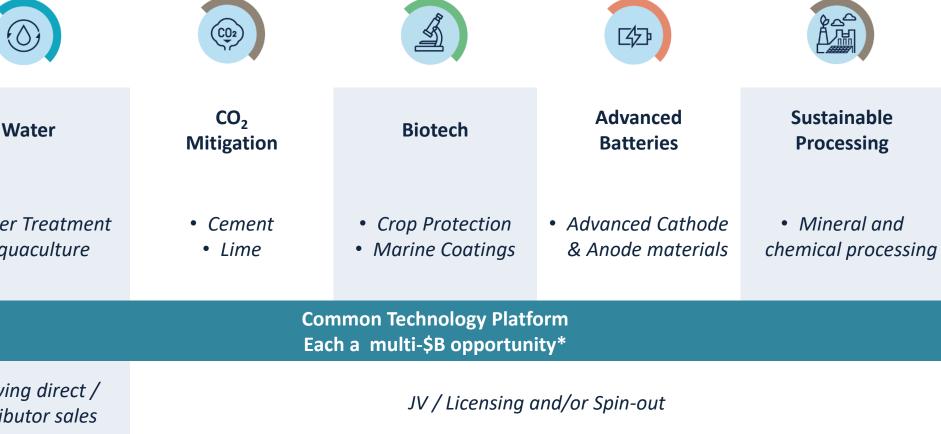


By Alan Kohler 13 Feb 2021

Calix Limited is developing multiple environmental business opportunities, all from the one core technology





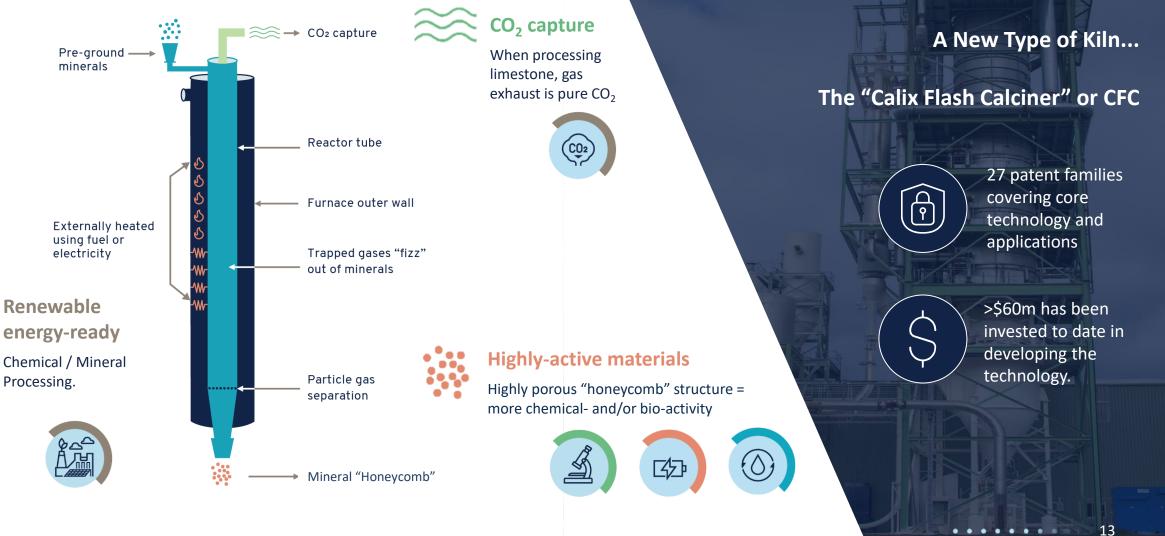


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Calix's Core Technology

A PATENTED PLATFORM TECHNOLOGY WITH <u>3 KEY FEATURES</u>





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Share Price Performance and Equity Structure



Water

THE MOST USED SUBSTANCE ON EARTH

Key Milestones Targeted FY21	FY21 YTD Progress	
Complete 3 US plant upgrades	Completed	~
Complete 1 new US plant	Underway – some COVID delays	O
Dursus European market entry and growth	First EU paid trial underway	~
Pursue European market entry and growth	First EU Partner – MOU Executed	
Aquaculture: re-establish pre-COVID Chinese	China – COVID watch –point	_
business + new market entries	New market entry into Bangladesh	\checkmark
Lake remediation	Commercial contract delayed – largely COVID-related (Malaysia)	-

Overall revenue and growth...

Aquaculture Sales	Down 28% pcp to \$0.09m
Water Treatment Sales	Up 159% pcp to \$9.14m
Gross Margin	Up to 31% from 25%
IER Sales Revenue	Up 14% pcp (\$US basis)



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Our Technology

Safe, sustainable magnesium products for water treatment and aquaculture

Business Model / Strategy

Direct + Distributor sales model

Near Term

Exploit technical advantages – US Re-establish Chinese aquaculture sales Grow margins and revenues

Medium Term

New Calix Calciner - Americas Replicate US Market Entry - EU



CO₂ Mitigation

CEMENT AND LIME - THE SECOND MOST USED SUBSTANCE ON EARTH

Key Milestones Targeted FY21

FY21 YTD Progress

Successful LEILAC-1 Test campaign EU Approval achieved – extended campaign concluded Key watch point COVID / resourcing – long run

Successful Basis of Design milestone – LEILAC-2 On track

Continue to pursue licensing opportunities

At least 1 Project / License Heads of Agreement + Commence Feasibility – fullscale plant *Cement* – project-specific concepts under discussion with 6 counter-parties *Lime* – application-specific concepts under

discussion with 4 counter-parties



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Theoretically the lowest cost solution to CO₂ mitigation for cement and lime

2018 – EU ratifies phase 4 of the Emissions Trading Scheme, CO₂ permit price jumps from €5 to over €
 25. It has recently hit € 40.

2019 - HeidelbergCement pledges net zero CO₂ by 2050, and a 30% reduction on 1990 emissions by 2025

2020 – EU legislates net zero CO₂ by 2050. Several countries follow.

Business model

- Capital light / low risk
- Engineering services and license / royalty fees
- Consider equity interest to accelerate commercialisation

Biotech

MULTIPLE DISRUPTIVE OPPORTUNITIES FOR SAFER MATERIALS



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Calix "bio-active" materials ...

- Very high porosity, safe magnesium (and other metal) oxide crystals from our CFC
 - Exhibits "bio-static" mode of action – a "repellent" for pathogenic organisms
 - Developing license / JV business models – early revenues from crop protection, a multi-\$b industry
 - Very encouraging early results in marine coatings

Key MilestonesFY21 YTD ProgressTargeted FY21	
Crop Protection – EU Summer Sales	 Only 8T sold due to COVID impacting product launch in EU Results from those sales were very positive
Crop Protection – Licensing	• Further license discussion underway – crop protection major
Marine Coatings – new opportunity	 3 Material Transfer Agreements in place with 2 coatings manufacturers and 1 major end-user New trials commenced Current trial results continue to be very promising

Coatings...



Other surfaces treated with standard antifoul*





Leisure craft - Mornington Peninsula, VIC - 9 months in the water

Watch Point

water wash

Behind _____

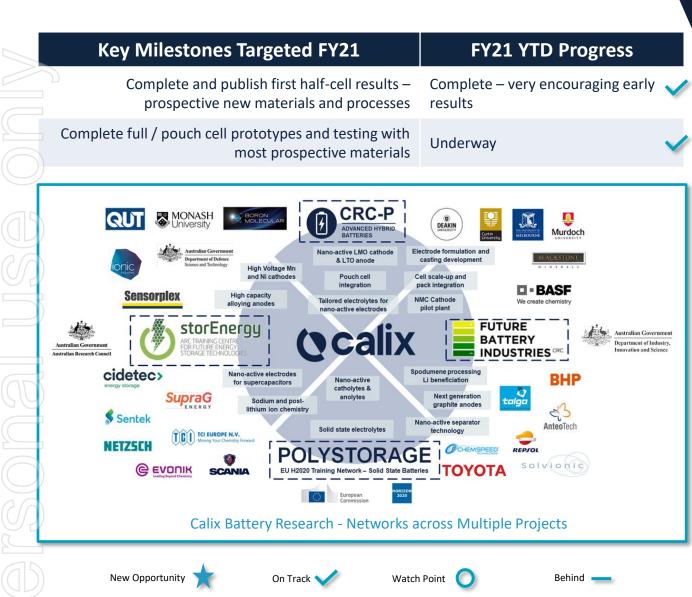
*Hull = standard copper ablative coating, Propeller = silicon-based foul-release

New Opportunity



Advanced Battery Materials

NEEDED FOR ELECTRIC VEHICLES AND BASE LOAD ENERGY STORAGE SYSTEMS



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Calix 'BATMn' technology...

- Controlled porosity materials targeting better anode and cathode performance and/or cheaper and more recyclable chemistries
- BATMn is our first fully-electric kiln, and already at commercial scale for battery materials – 2000Tpa

Sustainable Processing

MULTIPLE OPPORTUNITIES IN ORE AND CHEMICAL PROCESSING

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Calix sustainable processing applications...

\square	Coy's	Scope	Status	Targeted Next Steps – FY21
	"A"	Refractories	Phase 1 Complete. Phase 2 underway Commercial T&C's under discussion	Project / License Agreement 💦 💊
	"В"	Spodumene	Early trials underway - more efficient lithium extraction	MOU – technology application
	"C"	Calcined clays	Exploring opportunity in alternative cement formulations	Agreement on early trial plan 🛛 🗙
	"D", "E"	Chemical processing	Exploring opportunities in various chemical processes	Agreement on early trial plan 🛛 📩
	"F"	Energy (Chemical Looping)	Exploring opportunity in base load energy system - chemical looping pilot	PO and License Agreement – Pilot Project

- Many mineral and chemical processing require "calcination" or heating at some point
- Calix's CFC technology represents comparable capital and operating cost to conventional processes and is readily powered by renewable electricity

Developing license / JV business models, including potential equity projects

Our next 12 months' priorities...

REVENUES, MARGINS, PROJECT EXECUTION AND DEAL FLOW...



Revenue a Margin gro **US:** 1 new EU: • First pa agreem Convert trials to Asia: • Re-esta AQUA-0

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Water	CO ₂ Mitigation	Biotech	Advanced Batteries	Sustainable Processing
and Gross	Cement and Lime	Crop Protection		Refractories
r owth via v plant partner	 Successful test campaign conclusion – LEILAC-1 Successful BOD – 	 2nd license agreement APVMA approval Marine Coatings 	Successful full cell results Initial positive pouch cell results	 Successful phase 2 testing Project or License agreement
ment ert paid to customers	 LEILAC-2 First Project / License Agreement "full-scale" 	 Successful initial trials with MTA partners Next biotech 	Scale-up production trials – cathode materials	 Spodumene Project or License MOU BESS
tablish Chinese -Cal+ sales	application	application		 Pilot Project and License agreement

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Board of Directors



Peter **Turnbull**. AM Non-Executive Chair

Helen Fisher Non-Executive Director



Jack Hamilton Non-Executive Director

Lance **O'Neill** Non-Executive Director



Phil Hodgson Managing **Director & Chief Executive Officer**

Dr Mark Sceats Executive Director And **Chief Scientist**

Experienced Chair and Non-Executive Director with significant board and senior executive experience in the Australian and global resource, energy and technology commercialisation sectors.

Non-Executive Director of Karoon Energy Ltd. (ASX: KAR) Chair of medtech Auxita Pty Ltd, and President of the Chartered Governance Institute (London).

Chair of Calix Remuneration and Nomination Committee, and Member of Audit and Risk Management Committee.

CEO and Managing Director of Bio Capital Impact Fund (BCIF), a Non-Executive director and Chair of the Audit and Risk Management Committee of Paradigm Biopharmaceuticals Ltd (ASX:PAR) and Chair of the Victorian branch of AusBiotech.

Previously a partner of Deloitte, and led Deloitte's life sciences practice in Australia for 5 years, specialising in the financial services sector, with significant M&A transactions and strategic tax advice to publicly listed and large multinational companies.

Chair of Calix Audit and Risk Management Committee.

30 years multidisciplinary experience in local and overseas energy industries, including as a Director of NWS Ventures (Woodside North-West Shelf project).

Currently the Chairman of AnteoTech Ltd (ASX:ADO). Previous Non-Executive Director positions include Renu Energy (ASX:RNE) and DUET Group (ASX:DUE).

Chair of Calix Technology Committee, and member of Audit and Risk. and Rem and Nom Committees.

London-based director of DFB Australia, with 36 years of experience in international securities and investments in the UK, Australia, USA and Far East.

Chair of MediaZest Plc and EP&F Capital Plc.

14 years of multidisciplinary experience with Shell, including as the General Manager and Alternate Director of its subsidiary Fuelink Pty Ltd, a \$700m revenue, 300-employee distribution and sales subsidiary.

7 years running a private consultancy providing strategy and M&A services across energy, food, infrastructure and water sectors.

Joined Calix in 2013 as CEO, became a Director in 2014 and is a member of Calix's Technology Committee.

Co-founder of Calix, and a member of Calix's Technology Committee.

Qualified physical chemist with over 52 years' experience, numerous academic roles. and numerous fellowships and recognitions.

CEO of the Australian Photonics CRC for 14 years.

Author of more than 145 academic papers in physical chemistry and inventor of 42 patented inventions.

Listed on the ASX in July, 2018 ASX:CXL



Share Price Performance Since Listing



Further Equity Detail	As at 22 February 2021
Free Float	148.9m shares
Warrants to be exercised by July 2022 (\$0.66 Strike Price)	1.2m warrants
Employee Incentive Scheme Rights	7.6m rights

	As at 22 February 2021
Shares on issue	~148.9m
Share price for IPO Capital Raise	\$0.53 per share
Share price on IPO	\$0.62 per share
Current Share price	\$1.90 per share
Market capitalisation	~\$283m
Cash as at 31 Dec 2020 (Company has very low debt)	\$3.7m

Major shareholders*	As at 22 February 2021
Board & Management	15.3%**
Perennial Value Management	13.5%
Nicholas Merriman and associates	8.8%
Australian Super Pty Ltd	7.1%
Thorney Investments	7.0%
Paul Crowther	5.7%

*Sculptor Capital Management ceased to be a substantial holder in early February 2021

** Down from 17.5 % at IPO due to Sep 2019 Capital Raise (net dilution), plus some management changes since July 2018- to current dates

Because there's only one Earth...

Calix

... Mars is for quitters

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Darren Charles CFO & Company Secretary dcharles@calix.global +61 2 8199 7400 Simon Hinsley Investor Relations simon@nwrcommunications.com.au +61 401 809 653



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