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Corporate Presentation

August 2019

Corporate Snapshot

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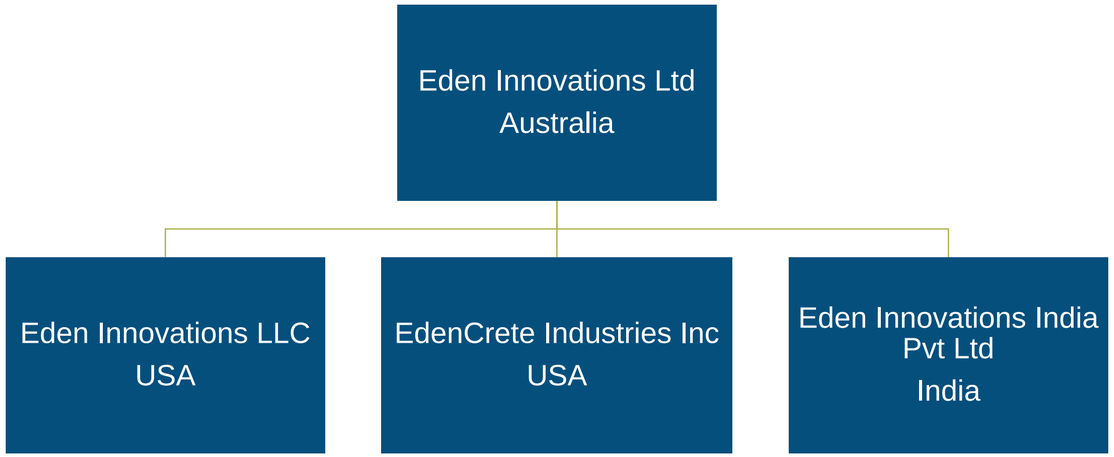
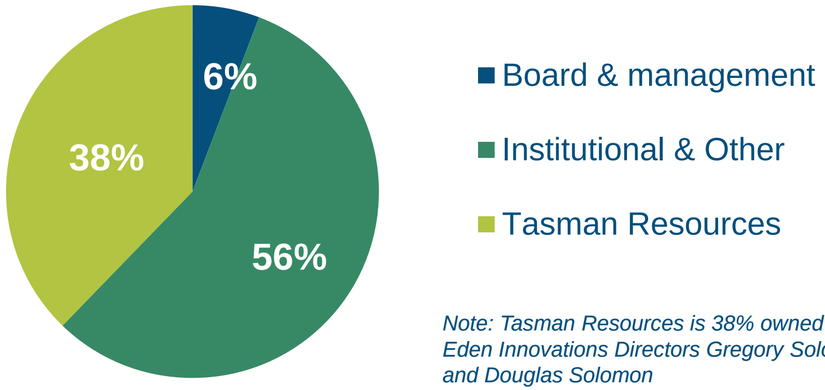
CORPORATE STRUCTURE



SHAREHOLDERS



Note: Tasman Resources is 38% owned by Eden Innovations Directors Gregory Solomon and Douglas Solomon

CAPITAL STRUCTURE

Eden Innovations Ltd	
Symbol	EDE
Issued shares	1,665,436,366
Stock Price (1)	A$0.054
Market Cap (1)	~ A$91 million
Cash	~ A$2.05 million (1)
Debt	~ A$1.02 (2)

1) As at 2 August 2019
2) Long term vendor finance from purchase of first Colorado property, 2% interest rate

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EDE:ASX

Introducing Eden Innovations Ltd

- Eden Innovations Ltd (“Eden” or the “Company”) is an Australian company, incorporated in 2004 (and originally named Eden Energy Ltd), that listed on the ASX in 2006 (ASX: EDE), with 100% owned subsidiaries in the USA and India.
- Eden has 15 years proven in-house development and commercialisation expertise having successfully developed in Colorado its 100% owned EdenCrete®, OptiBlend® and Hythane® products.
- Eden developed and commercialized a patented low cost, low GHG footprint catalytic process to produce hydrogen and carbon nanotubes or carbon nanofibres from methane.
- EdenCrete®, its flagship carbon-strengthened concrete liquid additive:
  - delivers stronger, tougher, longer lasting concrete -benefits all concrete including ready mix, precast, and shotcrete;
  - is suitable for construction and maintenance of most structures and infrastructure, including roads, bridges, tunnels, dams, ports, high rise buildings, industrial structures, underground mining, and hard stand areas;
  - is already approved for use in the US by the Federal Highway Administration (“FHWA”) and the Department of Transport (“DOT”) in 11 States, and is commercially used in Georgia, Colorado and Texas.
  - In addition to its existing production facilities in Colorado, Eden has acquired an excellent 26.5 ha industrial site in Georgia to enable greatly expanded EdenCrete® production capacity as demand grows;
  - EdenCrete® marketing is focused on rapidly expanding its footprint and sales in both the US and Internationally.
  - Australian sales to start. Trials and/or distributorship discussions underway in Europe, India, Korea.

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EdenCrete® - Product Development Timeline

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2010

- **August** – Eden becomes 100% owner of core Carbon Nanotube Technology following acquisition from the University of Queensland

2011

- **January** – First US production of super strength carbon nanotubes
- **April** – Testing commenced on carbon nano fibres in rubber, coating, plastic and concrete
- **September** – Next generation OptiBlend® released
- **December** – First commercial order for Optiblend® dual fuel kits in US

2013

- **July** – Eden & University of Queensland awarded second Australian Research Council Grant for Carbon Nanotube research

2014

- **October** – Eden's carbon concrete additive wins Australian Civil Contractors Federation's Environment Award

2015

- **February** – First US trial of EdenCrete®
- **July** – Eden and Monash University receive Australian Research Council research grant
- **September** – ONGC (India) tender won for Optiblend®
- **August** – 1st Georgia DOT I-20 field trial
- **November** – EdenCrete® receives approval from Georgia Department of Transport (DOT)

2016

- **April** – US$24.76m incentive package received to establish EdenCrete® Plant in Augusta, Georgia
- **May** – First commercial order for EdenCrete®
- **June** – Study shows encouraging results of Carbon Nanotube Technology in plastics
- **August** – Georgia DOT highway repair projects

2017

- **January** – EdenCrete® mandated for use by Georgia DOT
- **April** – First EdenCrete® bulk supply agreement in Texas
- **August** – Korean Government agency trials of EdenCrete®
- **September** – EdenCrete® approved by US Federal Highways Administration for use in Georgia

2018

- **January** – Approved Oregon DOT, now approved in 11 States
- **January** - EdenCrete® HC and EdenCrete® Pz launched
- DOT trials commence in Colorado, Idaho and N. Carolina - 5 State DOTS- now using or trialing EdenCrete®
- **July** – Korean Precast company agreement
- **August** -New industrial site acquired
- **September** - Australian Distributorship- Parchem
- **September** – **First** FHWA/ GDOT contract US$720,000
- **October**- MARTA Whitepaper published
- **November** Colorado DOT- commercial shotcrete -I-70 project
- **December** – H1 FY 2019 - total sales up 116% v H1 FY 2018

2019

- **June** - FY19 sales - $2.34m, up 77% over FY18 –most in US
- **Q2** - ASTM / NTPEP approvals of EdenCrete® and Pz
- **Q3/4** - First Australian Sales of EdenCrete® anticipated
  - Korean distributorship discussions underway
  - Indian trials underway – strong interest
  - European trails underway - large construction company
  - Other distributorships/ sales discussions underway
  - Emerging interest in Eden's hydrogen technologies

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Investment Highlights

- **High Growth Trajectory** – EdenCrete® now approved for use by Departments of Transport in 12 States (including Texas, Georgia, Colorado and North Carolina) representing more than 26% of US bridges in need of repair totalling approximately 37,800 bridges. Industrial/commercial markets growing.
- **Accelerating Revenues** – Eden recently reported FY19 total sales revenue of $2.34m, up 77% over FY18, with strong year on year revenue growth particularly for EdenCrete®, but also for OptiBlend®, expected to accelerate in FY20 and FY21.
- **Superior Technical Attributes** – EdenCrete® produces a stronger, lighter and longer lasting concrete when added to conventional concrete , reducing total life cycle cost and on occasions also reducing up front costs in various projects, including in precast applications, construction applications, shotcrete applications
- **US Government Endorsements** – **Federal Highway Administration (FHWA approval** received for the use of EdenCrete® in federally funded repair projects - first project in Georgia completed in April 2019 (value approx. US$720,000) . **Metropolitan Atlanta Rapid Transit Authority** (“**MARTA**”) **Whitepaper** completed in 2018 documenting superior performance of EdenCrete® in 2 year field trial in Atlanta, GA.
- **Australian distributorship – Parchem** - sales anticipated to start Q3/Q4 2019.
  Trials and/or distributorship discussions –Europe, Korea and India - underway.
- **High Barriers to Entry** – Eden owns 100% of its carbon nanotube production process which was developed over a 5 year period in conjunction with the University of Queensland. Product field testing by customers and Government departments can take up to 2 years or more with typical sales cycle being 6 to 9 months from field validation giving Eden a significant head start over any potential competitor.

Government Validation and Commercialisation

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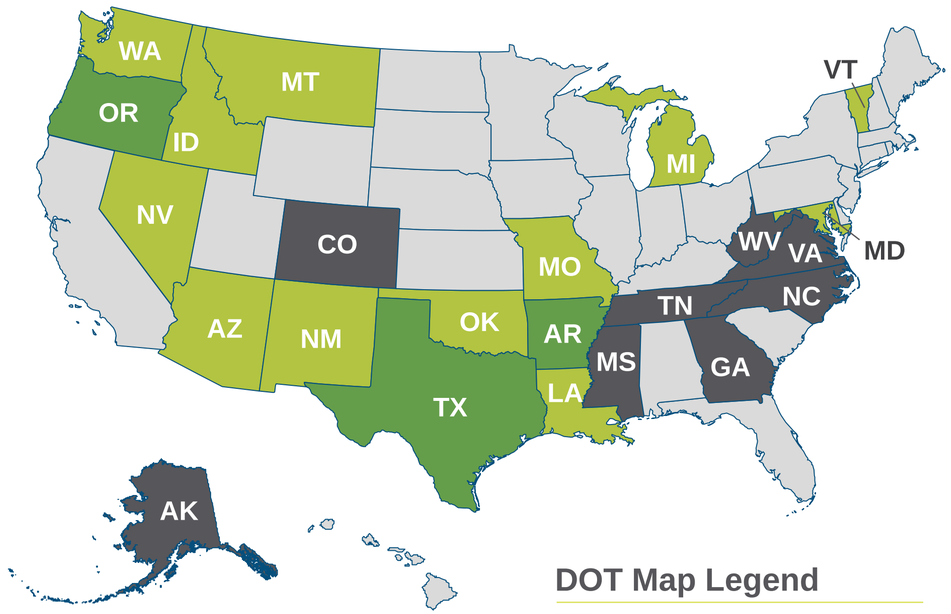
- Government approval for use by Departments of Transport (DOTs) in 11 US States, 26% of total US bridges in need of repair, with 11 further DOT applications pending
- Georgia Department of Transport (GDOT) mandated use of EdenCrete® in all State funded full depth slab repair projects in Jan 2017
- Federal Highway Administration (FHWA) approval for use of EdenCrete® in federally funded, repair projects in Georgia in September 2017. First FHWA contract (US$720,000) completed Q2 2019.
- Sales to Texas Department of Transport-approved pre-stressed bridge beam manufacturer.
- MARTA Whitepaper endorses use of EdenCrete® and confirms increased durability of concrete and long term cost savings when EdenCrete® used



DOT Map Legend

- *Approved for Use* (APL or QPL not applicable)
- *APL or QPL* (DOT dependent)
- *Under Review*
- *Submission Pending*

DOTs where CNT admixture is on the APL or QPL or 'Approved for Use' represent…

- 25% of US population
- 26% of US bridges in need of repair (approximately 37,800)
- 39% of US total land area

* DOT Fact Sheets Highlight Grim State of US Roads and Bridges – 9 July 2015

Georgia Department of Transportation

U.S. Department of Transportation Federal Highway Administration

Texas Department of Transportation

Executive Management Team

Gregory Solomon
Executive Chairman

Chairman of Eden since incorporation in 2004. More than 30 years experience as a director of public companies. Currently executive chairman of Tasman Resources Ltd and a non-executive chairman of Conico Ltd.

A commercial lawyer by background with more than 30 years Australian and international experience in many areas including mining and energy law, commercial and corporate law.

LLB

Aaron P. Gates
CFO, Company Secretary

A qualified accountant with more than 14 years of accounting, audit and corporate finance experience.

Chartered Accountant and Chartered Secretary.

Bachelor of Commerce (Curtin University) with majors in accounting and business law and completed a Diploma of Corporate Governance.

BCom CA AGIA

Roger Marmaro
President / CEO - Eden Innovations U.S

Responsible for corporate planning and implementation, management development and commercial business expansion.

Co-inventor of Hythane®.

Formerly at ADA Technologies and BOC Edwards.

BFA in Design, BSME

Robert Reid III
Executive Business Director- EdenCrete Industries Inc. US

Responsible for assisting in the strategic planning, development of the sales and marketing strategy, policies and operating procedures.

Mr Reid has over 40 years of experience in Risk Management and Private Equity dealing with a wide array of operating companies.

Degree in economics

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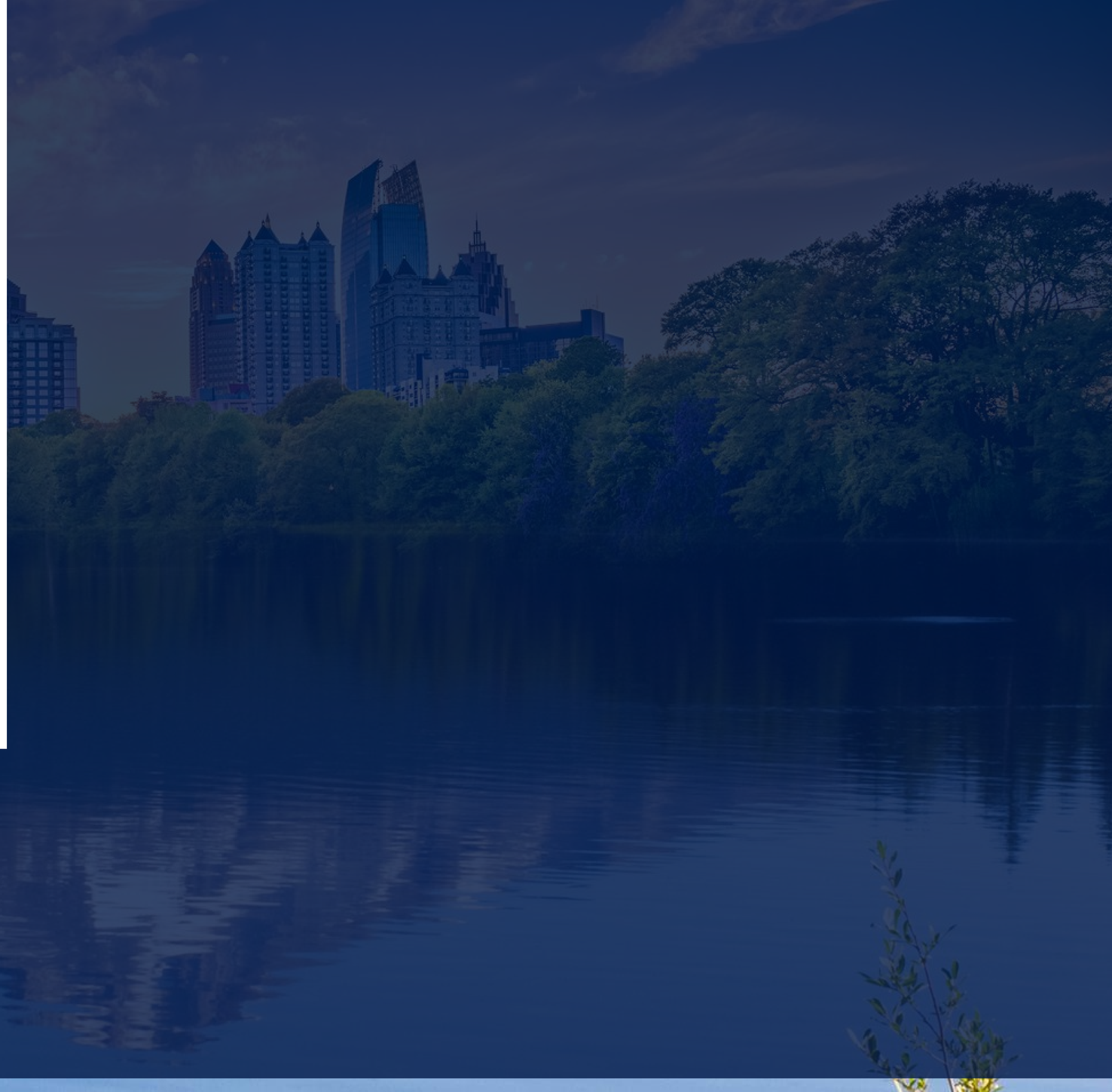
2.

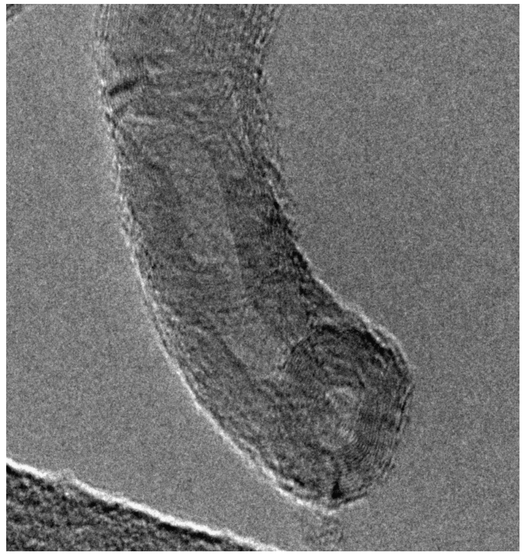
PRODUCT OVERVIEW



What are Carbon Nanotubes?

Eden's proprietary pyrolysis technology produces nano-scale carbon nanotubes or carbon nanofibres plus hydrogen from natural gas without directly producing CO^2

Eden is presently focusing on harnessing the benefits of its carbon nanotube technology for commercial applications in concrete and plastics



TEM image of Eden's MWCNT

Key properties of carbon nanotubes:

- Tensile Strength: 100-300x steel
- Weight: ~17% of steel
- Highly conductive: thermally and electrically

How do nanotubes work in concrete?

- Act as nucleation points for dense cement hydration - builds on all surfaces of CNT
- Create quintillions (10^{18}) of flexible, super-strong carbon nano-structures throughout the concrete
- Produces denser, stronger, tougher and more durable concrete

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EdenCrete®

EdenCrete® is a cost effective, carbon nanotube enriched liquid admixture for concrete that is mixed into wet concrete

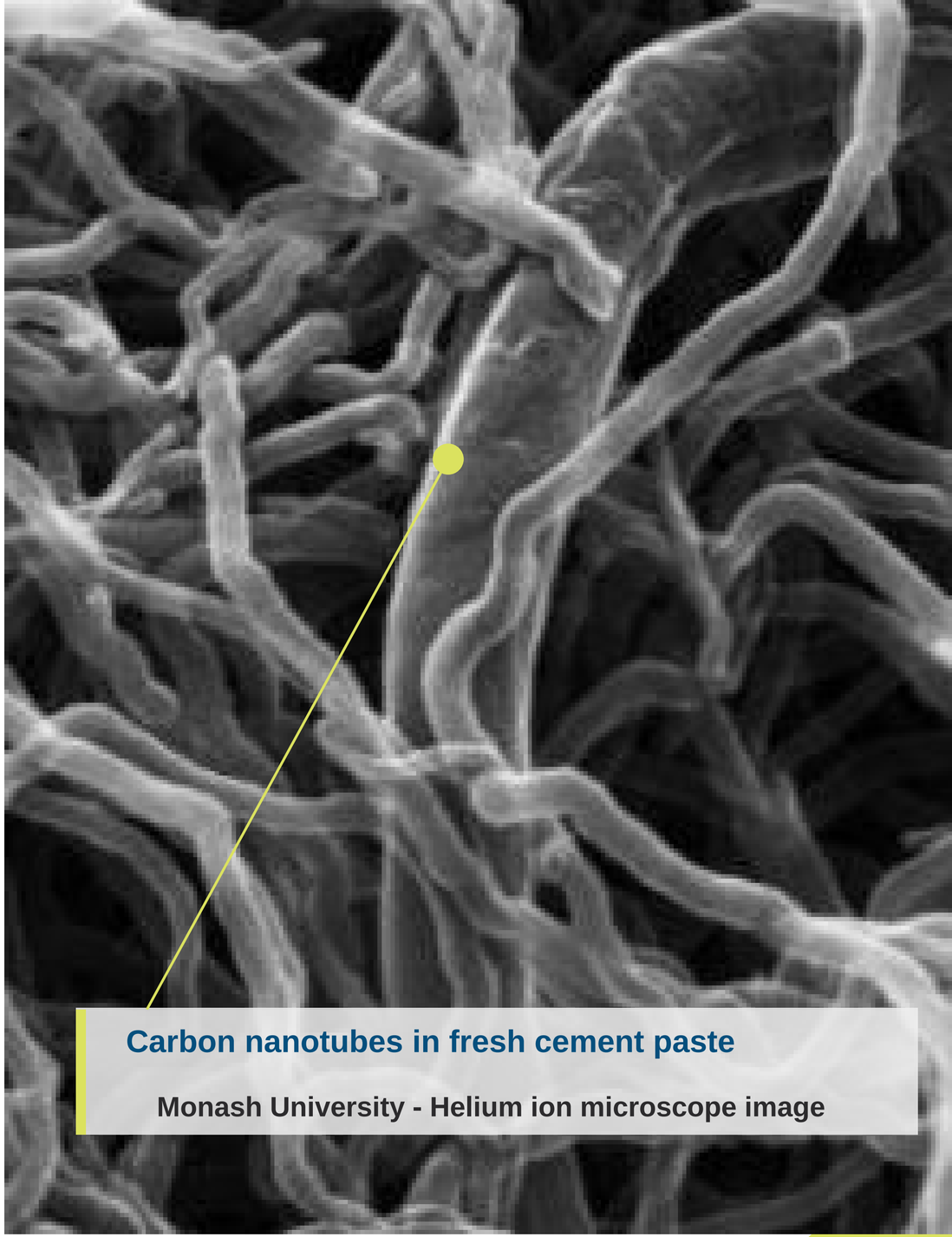
- Increases flexural, tensile & compressive strength, and abrasion resistance
- Reduces shrinkage, permeability and damage from salt and chemicals and increases freeze/ thaw resistance

All key qualities for infrastructure

EdenCrete®
Suitable for Portland cement

EdenCrete® Pz
Suitable for both Pozzolanic and Portland cements

EdenCrete® HC
High concentration lower cost



Carbon nanotubes in fresh cement paste

Monash University - Helium ion microscope image

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EdenPlast™

Eden aims to enter the plastics market with its new product, EdenPlast™

- Aims to develop CNT in Nylon 6 plastic and other polymers
- Jointly funded project with University of Queensland
- Awarded Australian Research Council funding
- Relatively low-cost processing method

Suitable plastics markets:

- Automotive and packaging

Highly encouraging preliminary results:

- 50% increase in stiffness
- Increase in electrical conductivity

Next steps:

- ARC R&D project into possible commercial scale-up underway

Proven in-house capability

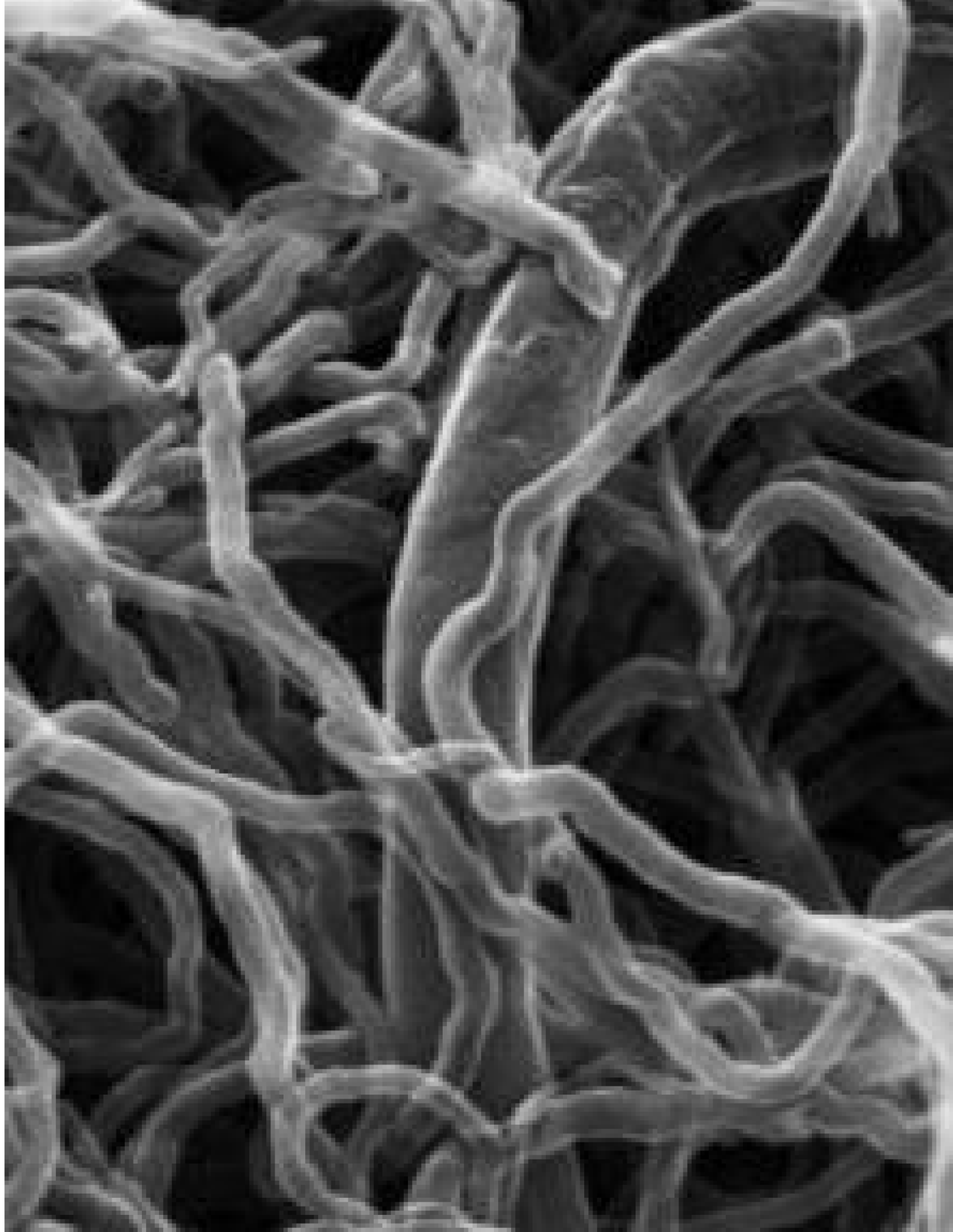
Development, testing and commercialisation

- EdenCrete®
- EdenCrete® HC
- EdenCrete® Pz
- OptiBlend®
- Hythane®

HC and Pz products launched at World of Concrete in January 2018

High Barriers to Entry

- 10+ years of product development
- Product field testing by Government departments after initial approval typically requires up to 24 months or more, including laboratory tests
- Typical sales cycle for EdenCrete® up to 9-6 months after successful field testing by the relevant DOT or customer
- 100% ownership of the Pyrolysis Project (CNT production) Patents granted for Pyrolysis Project
- Patent applications pending for EdenCrete®, EdenCrete® Pz and EdenPlast™



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EdenCrete® - GLOBAL MARKET OPPORTUNITY

EdenCrete® Applications & Customers

ADVANTAGE	SUITABLE FOR		CUSTOMERS
Permeability / salt resistance / shrinkage	Roads, airfields, coastal, marine, dams, sewers, bridges, runways, coastal/marine environments, dams, sewer/water pipelines		Government Department of Transport authorities - ~40% of US concrete market
Abrasion resistance	Hard-stand areas, warehouse floors, roads, bridges, pavements		Pre-cast concrete manufacturers - ~30% of US concrete market
Flexural, tensile & compressive strength / early strength	Beams and slabs, roads and bridges, precast & pre-fabricated products, high rise buildings, retaining walls, shotcrete		Ready-mix suppliers - ~30% of US concrete market

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EdenCrete® Value Proposition

Products	Increases Compressive Strength	Increases Split-Tensile Strength	Increases Flexural Strength	Reduces Shrinkage	Reduces Permeability	Increases Abrasion Resistance	Drawback
EdenCrete™	✓	✓	✓	✓	✓	✓	
Fibers (PP,PVA,ACRY,LOK)		•	•	•			Reduced workability, difficult to handle
Shrinkage Reducers			•				Strength reduction, expensive, reduces workability, impacts entrained air
Steel Reinforcement			•	•			Expensive, corrosion potential, weight factor, job-site safety
Surface Hardener					•	•	Potential alkali-silica reaction
Silica Fume, Fly Ash	•				•	•	Expensive, increased water, hard to handle, worker/workplace safety
Steel Fibres	•						Reduced workability, difficult to handle, job-site safety

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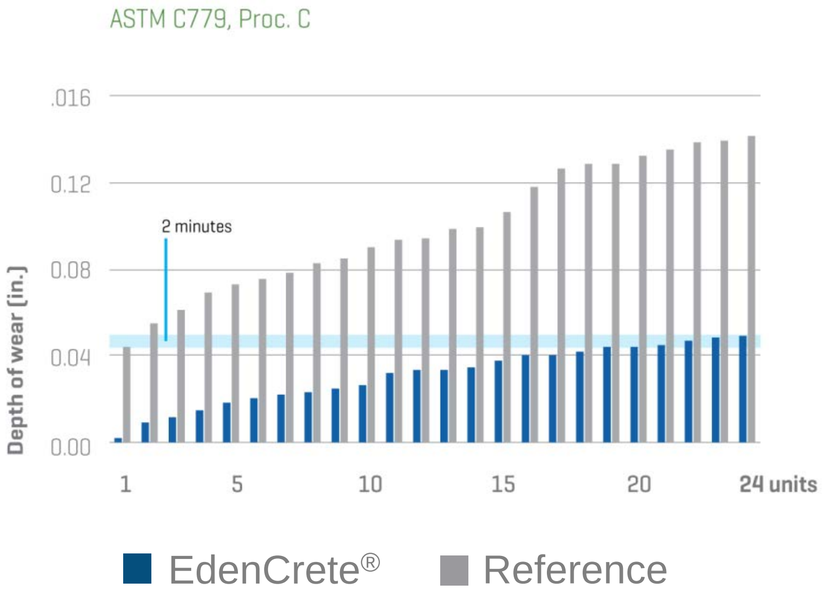
Key EdenCrete® Product Benefits

ABRASION RESISTANCE



Dramatic increase in abrasion resistance

REDUCED PERMEABILITY

Chloride Content (Wt.%)			
Depth (mm)	Control Mix – Not Ponded	Control Mix – Ponded	Penetrated Chloride Values
10-20	0.004	0.059	0.055
25-35	0.006	0.045	0.039
40-50	0.004	0.005	0.001
55-65	0.003	0.004	0.001
Depth (mm)	Test Mix – Not Ponded	Test Mix – Ponded	Penetrated Chloride Values
10-20	0.006	0.012	0.006
25-35	0.004	0.005	0.001
40-50	0.004	0.004	0.000
55-65	0.003	0.003	0.000

MARTA Test Results

Dramatic reduction in permeability

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EdenCrete® - Case Study

ABRASION RESISTANCE / ULTRA HIGH WEAR APPLICATION

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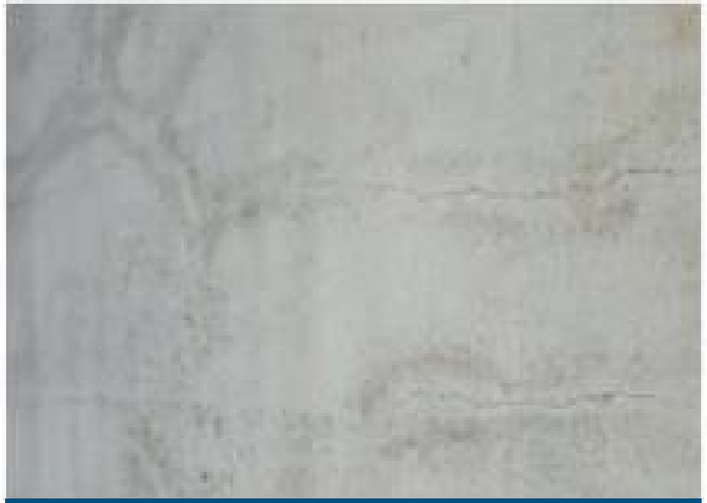
CONTROL TRIAL SLAB	TYPICAL ULTRA HIGH LOAD	EdenCrete® TRIAL SLAB
		
Significant cracks and wear after 6 months	High loading/ abrasive application at site – repeat contracts	No cracks or evidence of wear

EdenCrete® Cost Comparison

Ultra High Wear /Abrasion Resistance Commercial Project

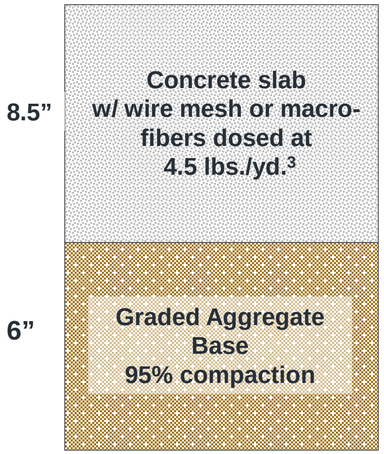
Longer wearing concrete required less depth, without base and compacted layers.

This project delivered significant cost advantages to the customer.

This project has resulted in an increasing number of similar contracts

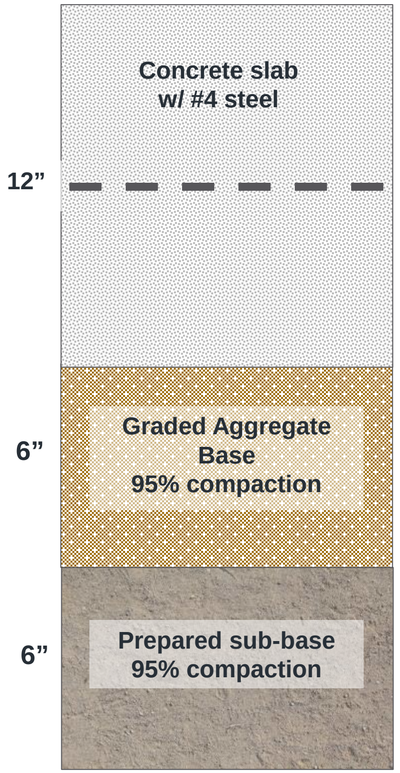
Concrete slab with wire mesh or macro-fibers

~ $15/ ft.²



Concrete slab with steel

~ $22/ ft.²



Concrete slab with EdenCrete®

~ $12/ ft.²

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Infrastructure Markets

- Roads, Bridges, Tunnels
- Ports and marine applications
- Airports
- Railways
- Dams and water systems
- Bus transit stations/ light rail
- Toll Roads
- Shotcrete – various applications
- Public/ Private Partnerships

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Commercial Markets

- Hardstand areas
- Factories/ Showrooms
- Warehouses/ logistics hubs
- Driveways / car parks
- Precast
- Building / construction
- Shotcrete –including for retaining walls, swimming pools

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EdenCrete® Sales Pipeline

GEORGIA

GDOT State funded repair projects using EdenCrete®

- EdenCrete® specified by name in repair projects
- Further repair projects and bridge trial in pipeline

FHWA Federally funded projects using EdenCrete®

- 1st FHWA funded pavement replacement project -11 lane miles - completed April 2019- US$720,000 EdenCrete®
- Next project being planned

Corporate, privately funded projects

- Follow-up orders- warehouses and hardstand projects

Metropolitan Atlanta Rapid Transit Authority (MARTA)

- Whitepaper - Potential projects under discussion

Ready mix companies

- Development of standard ready mix designs underway for various applications incl. ports and warehouses

COLORADO

Denver Public Works / Colorado Department of Transport (CDOT)

- Projects expected - salt/chemicals, abrasion resistance, freeze thaw
- Follow-up trials and production scale up to meet future demand
- Tunnels- EdenCrete® approved for shotcrete project - 2019

Commercial sales- driveways, tunnels (shotcrete), warehouses

Vail and Gypsum–various possible projects

OTHER US STATES

Precast and ready mix

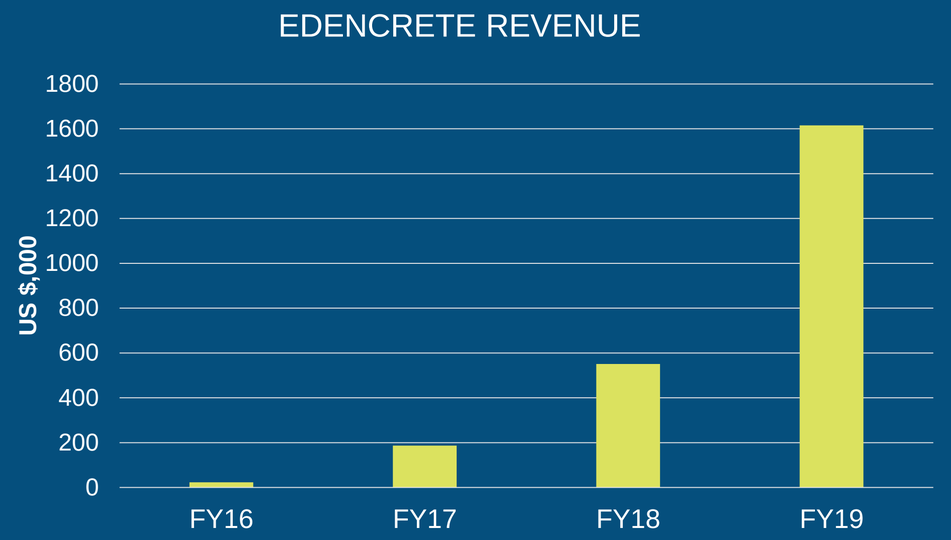
- Additional precast contractors, manufacturers being approached
- Various trials with ready mix companies- pozzolanic concrete mixes

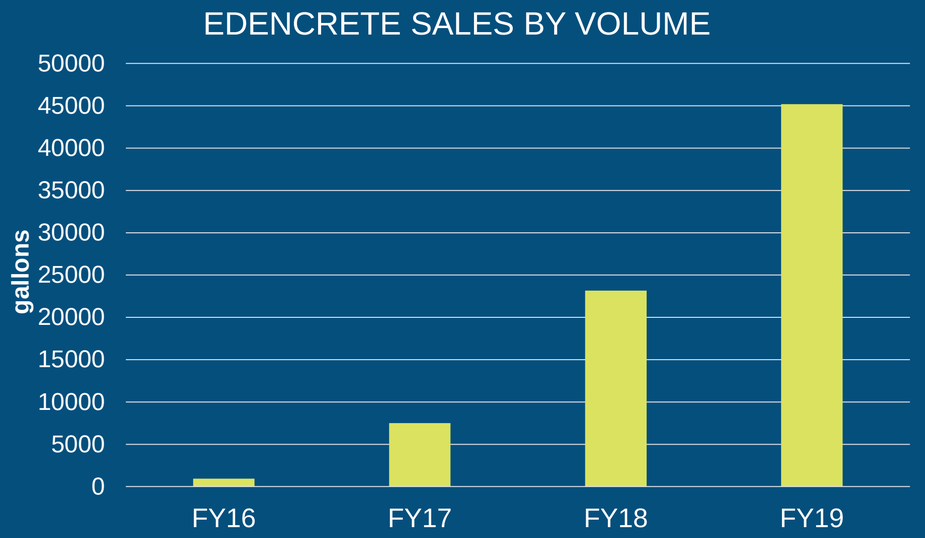
AUSTRALIA, KOREA

- Parchem appointed Australian distributor – sales anticipated Q3/Q4 2019
- Korea- successful testing undertaken – looking for suitable distributor

Strong Revenue Growth

- Bulk distribution contracts
- Repeat business customers - government and private
- Supply contracts vary by volume for each project
- Significant revenue growth projected balance FY 2020 and FY 2021





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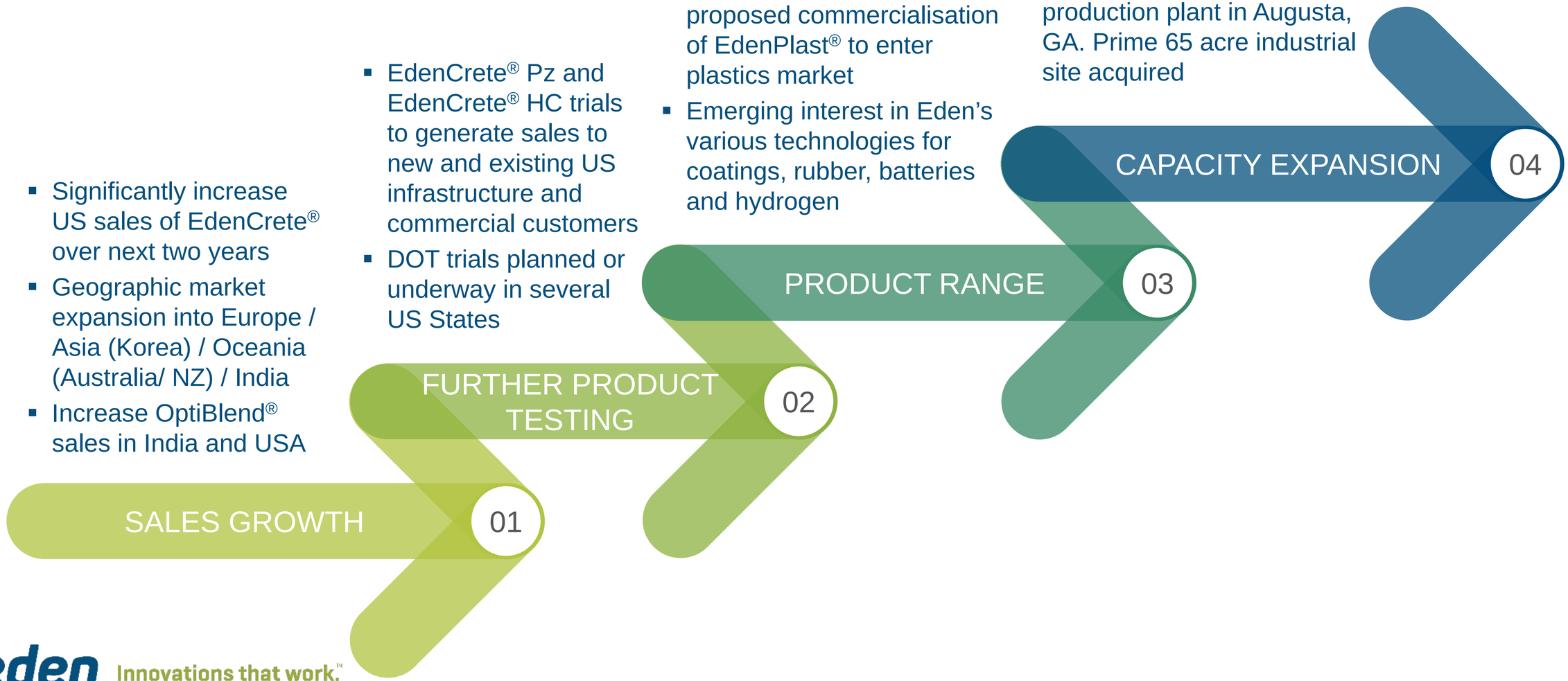
Growth Strategy



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Greg Solomon
Executive Chairman

Eden Innovations Ltd
Level 15, 197 St. Georges Terrace,
Perth, Western Australia
Australia

Telephone: +61 8 9282 5889
Email: gsolomon@edeninnovations.com

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