

ADVANCED BRAKING TECHNOLOGY

ACCELERATED ENTITLEMENT OFFER
AUGUST 2018



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Financial data: All figures in the presentation are Australian dollars unless stated otherwise and all market shares are estimates only.

Financial information: The pro forma and forecast financial information provided in this presentation is for illustrative purposes only and does not represent a forecast or expectation by the Issuer as to ABT's future financial condition and / or performance.

COMPANY OVERVIEW

ASX Code	ABV
Share Price	A\$0.003
Market Capitalisation	A\$6.7M
12-Month (High – Low)	\$0.007 - \$0.002
Revenue (FY18 - Unaudited)	A\$8.0m
Loss (FY18 - Unaudited)	A\$1.46m
Top 20 Shareholders	Hold 43%



ADVANCED BRAKING TECHNOLOGY

Advanced Braking Technology Ltd (ABT), listed on the ASX (ASX:ABV), develops and distributes high performance, sealed brakes to the automotive, transport, and mining industries.

The company's founding product is the **ABT Failsafe** brake, which uses the award-winning and patented **sealed integrated braking system technology**. It has been used by **blue-chip customers for 20+ years**.

The newly developed **Terra Dura®** polymer encased brake is being rolled-out globally and has the **potential to drive significant growth into new markets**.

ABT's strong patent portfolio dramatically restricts competition and provides exciting licensing potential.

INVESTMENT HIGHLIGHTS



NEW PRODUCT TO DRIVE GROWTH

ABT launched their mass market product, the Terra Dura[®] polymer encased brake, in January 2018. Strong initial uptake by blue-chip miners.

MARKET LEADING TECHNOLOGY

With over \$30M spent on R&D, ABT's technology is validated by blue-chip customers globally and faces virtually no competition.

GLOBAL PRODUCTS & MARKETS

Operating in a multi-billion dollar industry with potential for significant success through licensing deals to meet rising international and domestic demand.

STRONG REVENUES – SET FOR GROWTH

Verging on break-even, the Company is underpinned by ~A\$8.0m in revenue (FY18 unaudited). ABT's pipeline has the potential to deliver significant YoY growth.

GLOBAL DISTRIBUTION PARTNERSHIPS

Comprehensive distribution and channel partner engagement model with 18+ distributors globally (and growing).

STRONG IP POSITION

Strong patent portfolio with a wide-breadth of patents in key global markets.

KEY PRODUCTS



TERRA DURA

- **Exceedingly durable 4WD brake**
- **Fully enclosed** design protects brake components
- Designed specifically for **tough and rugged** environments (mining, construction, agriculture & off-road)
- Provides **significant costs savings** (3-6 month payback)
- **Launched January 2018** – Blue-chip customers onboard
- **List Price = \$5,500 per set**



FAILSAFE

- **Maximum safety 4WD brake**
- **Fully enclosed** design equipped with **failsafe technology**
- Exceptional **reliability and durability**
- **Mandated for use** in many underground mines
- Field proven by **blue-chip customer for over 20 years**
- Now in 4th generation
- **List Price = \$11,000 per set**



OUR VALUED CUSTOMERS



ACCELERATED ENTITLEMENT OFFER



ACCELERATED ENTITLEMENT OFFER



The Offer	One (1) for three (3) pro-rata, accelerated non-renounceable entitlement offer
Issue Price	\$0.002 (0.2 cents)
Shares subscribed for under the Institutional component of the Entitlement offer	219,720,665
Shares to be Issued under the Retail Entitlement component of the Entitlement Offer*	521,652,981
Total Proceeds from Offer*	A\$1,482,747
Director participation	All Directors have subscribed for their full entitlement totalling approx \$227,000 under the Institutional Entitlement Offer. The Chairman and CEO intend to participate in the Shortfall, subject to shareholder approval and availability.

*Offer fully subscribed

ACCELERATED RIGHTS ISSUE TIMETABLE



Announcement of Entitlement Offer, Appendix 3B, Cleansing Notice	Pre market Open – Thursday 2 August 2018
Institutional Offer	Thursday 2 August 2018
Suspension	Monday 6 August 2018
Announcement of results of Institutional Offer	Pre open – Tuesday 7 August 2018
Normal Trading commences Record Date (date for determining entitlements of eligible shareholders to participate in the Offer as at 5:00pm (WST))	Tuesday 7 August 2018
Offer Document Dispatched to Shareholders (expected date of dispatch of offer document, entitlement and acceptance forms)	Friday 10th August 2018
Retail Entitlement Offer Opens	Friday 10th August 2018
Quotation of securities issued under the Institutional Offer	Monday 13 th August 2018
Last day to extend retail offer close date	Friday 17 th August 2018
Retail Entitlement Offer - Closing Date* 5:00pm (WST)	Wednesday 22nd August 2018
Announcement of results of Retail Offer	Monday 27th August 2018
ASX Notified of Shortfall	Wednesday 29th August 2018
Quotation of securities issued under retail offer	Thursday 30 th August 2018
Dispatch holding statements*	Friday 31st August 2018

**This timetable is indicative only. The directors may vary these dates subject to the ASX Listing Rules. An extension of the closing date will delay the anticipated date for issue of the New Shares. The directors of ABT also reserve the right not to proceed with the whole or part of the Entitlement Offer any time prior to the issue of the New Shares under the Entitlement Offer. In that event, the relevant application monies (without interest) will be returned in full to applicants.*

USE OF FUNDS

Phase 1:

Domestic blue-chip customers and capitalising on successful D_{Max} trial

Australia: Roll-out Terra Dura

Enter **Europe** via an Isuzu distributor

Phase 2:

Continued application development and entry of large global markets

Significant expansion in **Canada**

Enter **Chile's** vast mining market

USE OF FUNDS – PHASE 1

AUSTRALIA ROLL-OUT TERRA DURA



Market	▪ Strive to multiply the Australian revenue over a four-year period ▪ Terra Dura® expands addressable market from 50 underground to >200 open cut mines ▪ \$40m+ market opportunity
Products	▪ Terra Dura - LandCruiser 70 is most common Australian mining vehicle ▪ ABT Failsafe - Service Australian underground mines ▪ Next generation Failsafe Emergency brake addresses truck and bus 'roll away' incidents and accidents
Customers & Applications	▪ Mining - Operators, Blue Chips, Tier Ones, Contractors, Vehicle Dealers ▪ Use long-established relations with existing customers to migrate from underground applications to exploiting vast opportunities across open cut mines ▪ Civil construction opportunities following positive feedback from Lendlease
Go-to-market Approach	▪ Direct selling ▪ Distribution partners
Next Milestones	▪ Q1 – Q2 FY19 : Completion of Terra Dura trials with various blue-chip mining customers and subsequent roll-out across mine site fleets ▪ Q2 FY19 : First order for construction application ▪ Q3 FY19 : Launch Terra Dura front axle application

USE OF FUNDS – PHASE 1

ENTER EUROPE



Market	▪ Significant opportunity across Europe for Isuzu D-Max application ▪ Finalise relationship with Northern Europe distributor ▪ Additional European Distributor has interests and opportunities in Germany and Eastern Europe ▪ ABT believes this is a A\$60m+ market opportunity across Europe
Products	▪ Terra Dura Isuzu D-Max application – to be fitted to a 'ruggedize D-Max' edition. Dealer-fit.
Go-to-market Approach	▪ Direct selling to Distributor. Develop key account understanding and management. ▪ Access to additional European Distributors and on-sellers on basis of success with foundation Distributor. ▪ Joint promotional activities and co-branding already agreed in-principle ▪ Will form a dedicated ABT sales structures in CY19
Next Milestones	▪ Q2 FY19 : Launch of Terra Dura D-Max and first shipment to European Distributor ▪ Q4 FY19 : Targeted first order from next major European group

USE OF FUNDS – PHASE 2

EXPANSION CANADA



Market	▪ Immense revenue potential given both the size of the Canadian mining market and the volumes underpinning the North American Light Duty Vehicles ▪ A\$60m+ market opportunity
Products	▪ Terra Dura application for a selected range of North American Light Duty Vehicles
Customers & Applications	▪ Mining ▪ Adjacent markets
Go-to-market Approach	▪ Distribution Partners – Expand long-established relations with Mobile Parts International and Miller Technologies ▪ Will form a dedicated ABT sales structures in CY20
Next Milestones	▪ Q3 FY 19: Kick-off of first new application work for accelerated growth opportunities

USE OF FUNDS – PHASE 2

ENTER CHILE

Market	▪ Significant opportunities across the vast Chilean mining market ▪ Access a few dozen mining operations with fleets sizes of 200 – 2000 vehicles ▪ \$40m+ market opportunity
Products	▪ Terra Dura – Mitsubishi Triton ▪ Failsafe and Emergency Failsafe opportunities given the very challenging Andean terrain
Customers & Applications	▪ Mining ▪ Targeting mining companies like Codelco, largest mining company in Chile, state owned\ Largest copper miner in the world, holding 20% of global reserves
Go-to-market Approach	▪ Distribution vi key tier-one supplier into Chilean mining sector ▪ Co-promotion opportunities and ABT to support creation of market pull. ▪ May require ABT sales structure for local support and relation management
Next Milestones	▪ Q1 FY19: Evaluation of first Failsafe application ▪ Q1 FY20: First order and shipment of Terra Dura Mitsubishi Triton

An aerial photograph of a large-scale construction or mining site. The terrain is rugged and uneven, with a large, dark, irregularly shaped pit or excavation in the center-left. Two yellow excavators are visible: one is positioned near the edge of the dark pit, and the other is further back, near a yellow dump truck. Another yellow dump truck is visible in the lower right, moving along a dirt path. The overall scene depicts a major earthmoving project.

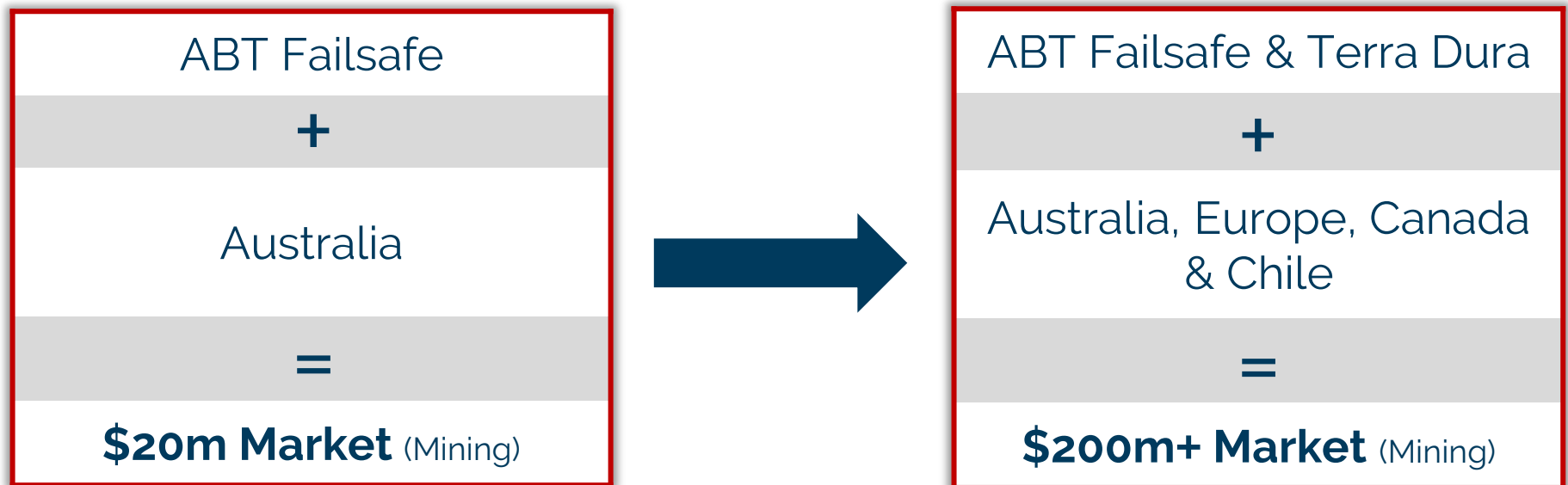
ABT TRANSFORMATION



ABT TRANSFORMATION

FY18 – FY22

ABT has developed a robust growth strategy, founded on systematic product & vehicle application development and regional expansion via strategic partners



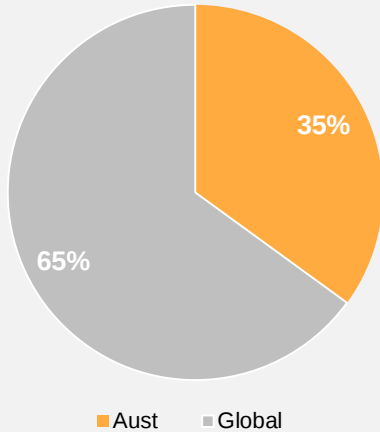
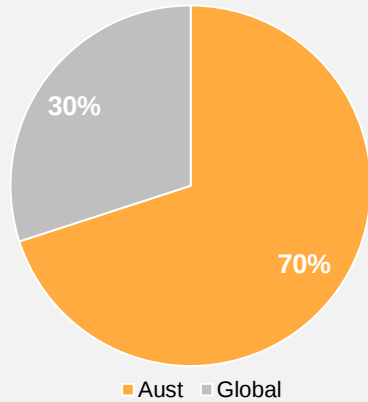
Given the lack of competition, ABT endeavours to effectively execute this strategy and impact the \$200m addressable mining market

ABT TRANSFORMATION

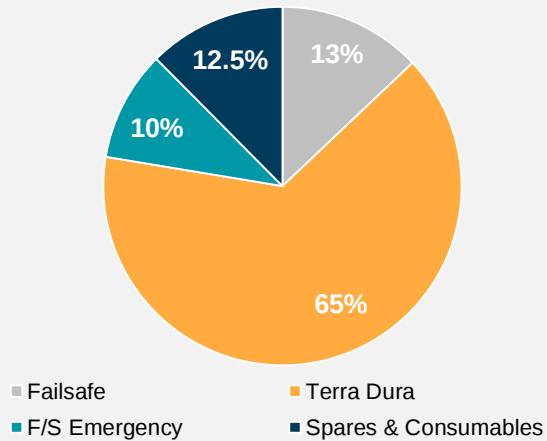
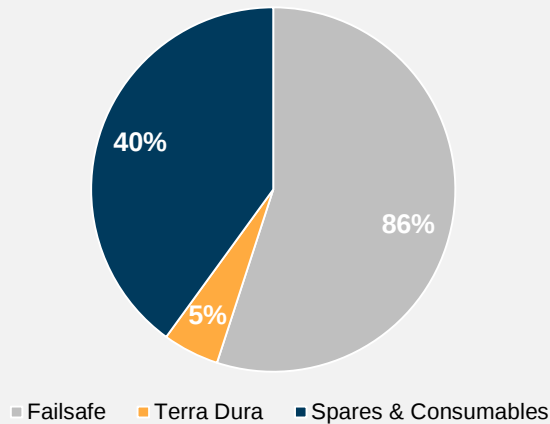
FY18 – FY22

FY18
↓
FY22

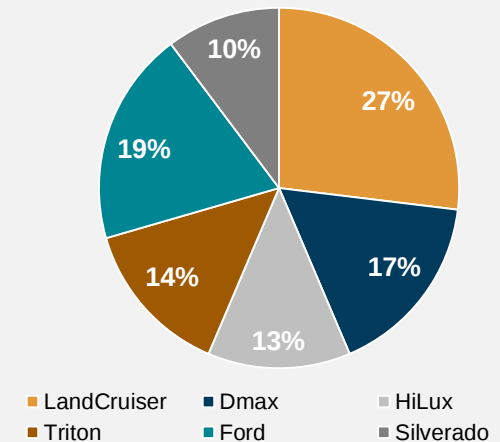
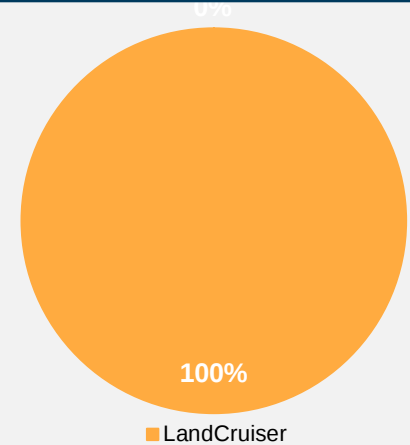
REVENUE – REGION



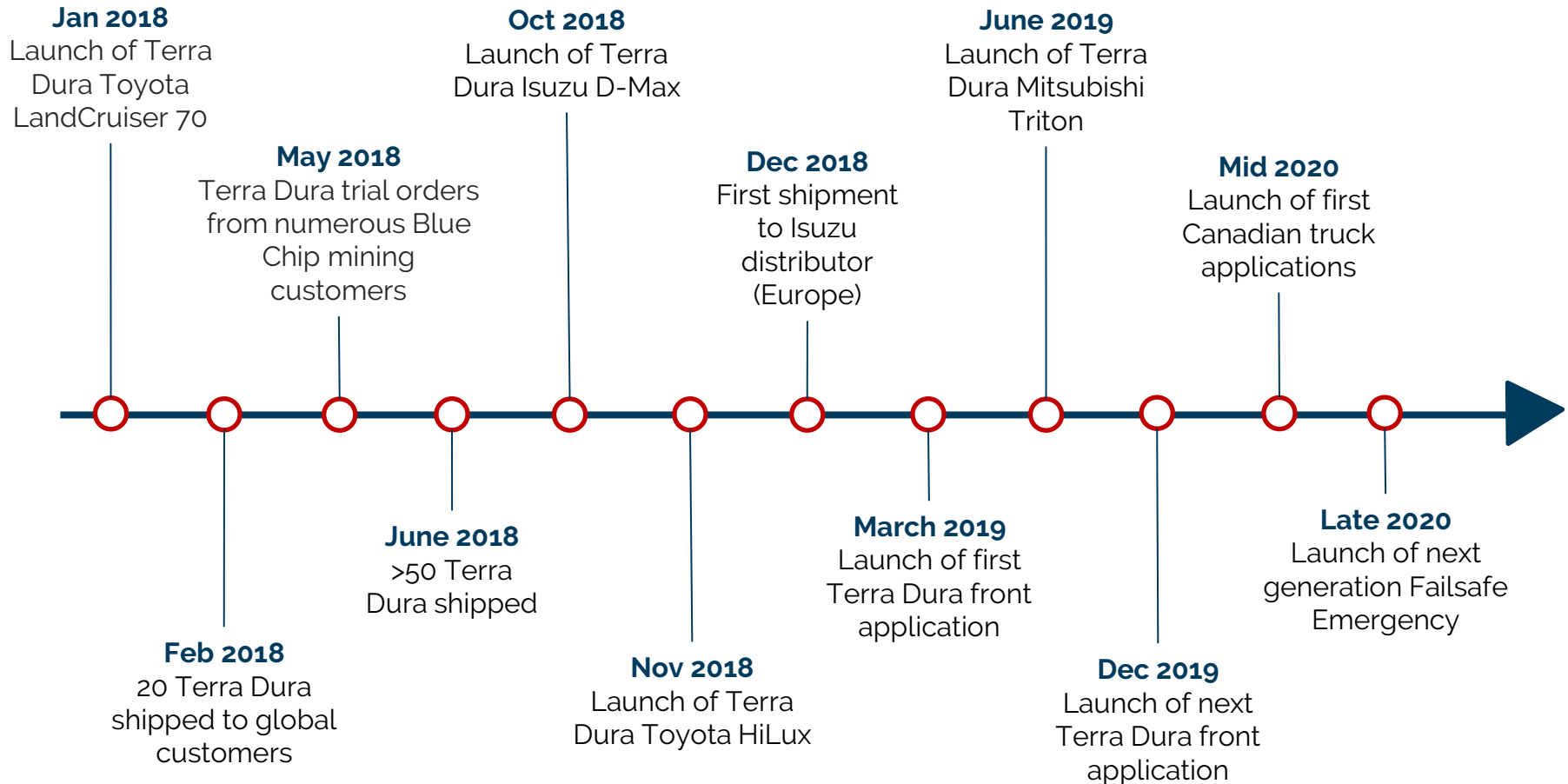
REVENUE – PRODUCT



REVENUE – TD APPS



GROWTH PATHWAY



OUR TRANSFORMATION AND VISION

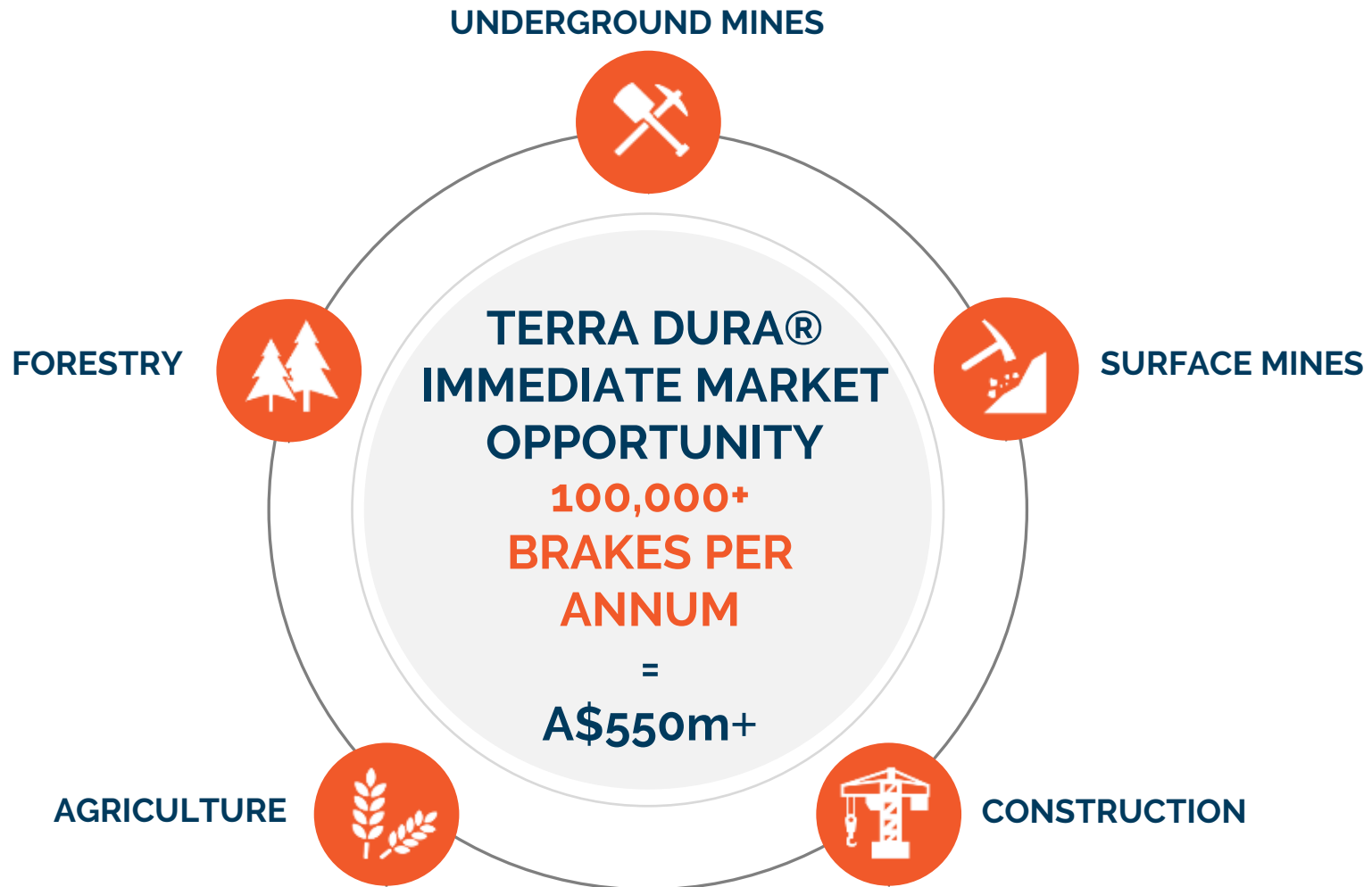
IP BACKED PRODUCTS FOR GLOBAL APPLICATIONS



From ...	To ...
A single product line	Multiple product lines
Niche market (underground mining)	Mass market (harsh environments)
An order taker	Innovative solution provider
A domestic focus	A global leader
Focus on direct selling	Highly scalable , international distribution partners
Concentrated customer and market portfolio	A balanced portfolio of products, customers, geographies, and applications
Engineering driven product development	New product introductions providing solutions for customers and an attractive RoI
Supply side constraints	Scalable and robust supply chain
Loss generating	Profit generating

MARKET OPPORTUNITIES MINING & BEYOND

MARKET OPPORTUNITIES MINING & BEYOND



BOARD AND MANAGEMENT



PETER HILDEBRANDT

Chief Executive Officer

Expansive international management experience in automotive and industrial markets. Executive MBA, with a track record in technology and innovation driven applications. Started late August 2017.



DAGMAR PARSONS

Non-Executive Chairman

Dagmar has more than 25 years' experience in the mining and resources industry across a range of functions, working in senior executive roles with Worley Parsons, AECOM and Downer.



GRAHAM ATKINSON

Chief Financial Officer

Fellow Certified Practicing Accountant with forty years' experience across a wide range of industries including, manufacturing, resources, health care, retail/wholesale, health and industrial services.



DAVID SLACK

Non-Executive Director

With more than 40 years experience as a professional investor, David is currently the founding managing director of Karara Capital, a fund manager with over \$3.8B of Australian Equities under management.



ADAM LEVINE

Non-Executive Director

A lawyer by profession, Adam has over 20 years national and global experience in structuring and executing private equity investments and corporate finance transactions both as a legal advisor and a principal investor.

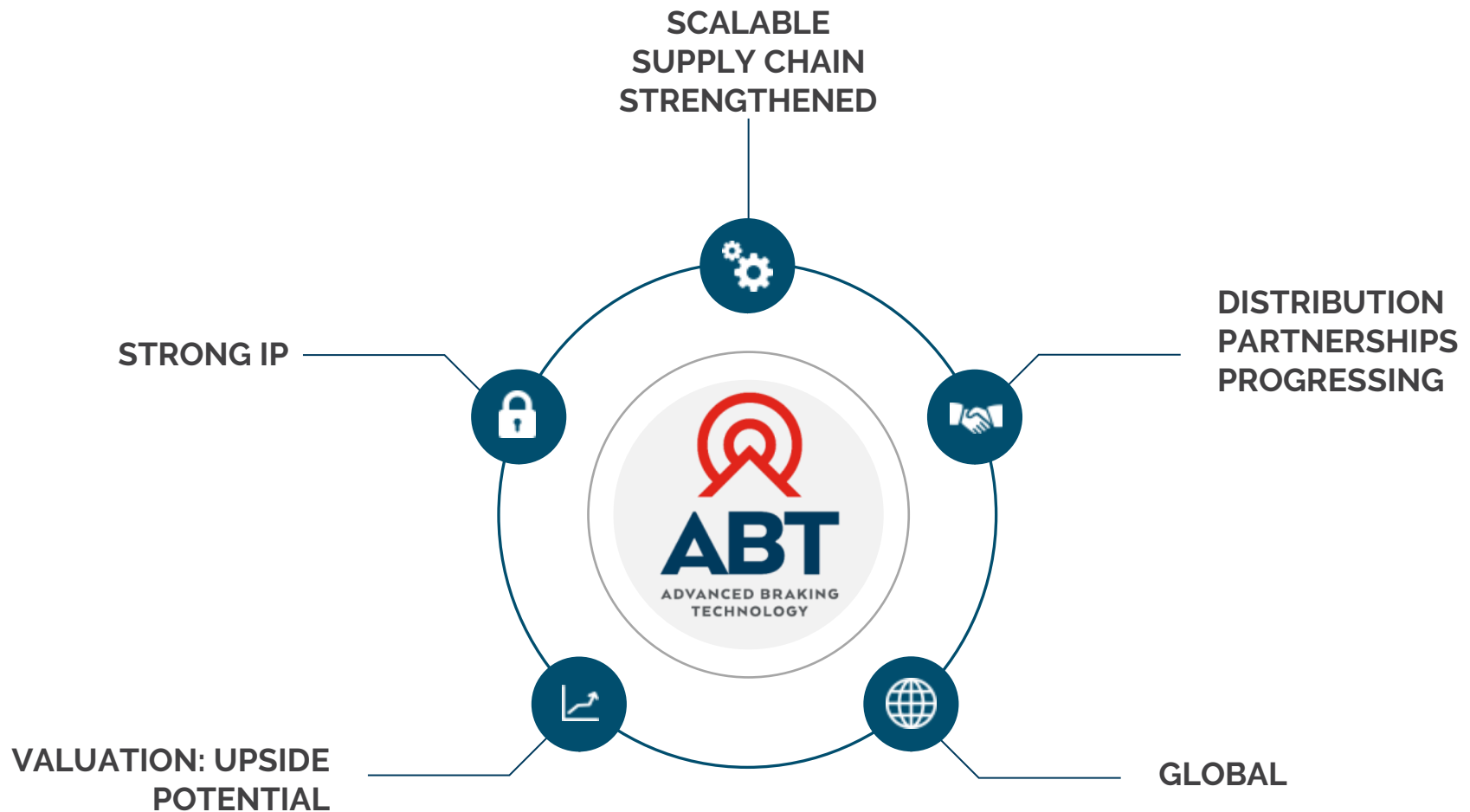


MARK LINDH

Non-Executive Director

A corporate advisor with more than 15 years of experience in advising mining and resources companies with a particular focus on the energy sector.

INVESTMENT HIGHLIGHTS



APPENDIX

ABT FAILSAFE

THE SAFETY SOLUTION



CAPABILITIES

Integrated failsafe braking system – brake applied when: door opened, ignition off, seatbelt off, emergency button activated

Fully enclosed wet brake

SELLING POINT / REGULATION

Regulation mandates “**FAILSAFE**” capabilities for vehicles used in underground mines (AUS, CAN, ZAF)
Enclosed brake protects components, enhancing durability and reducing maintenance costs

TARGET MARKET

Underground mines

MARKET SIZE

20,000+ vehicles

PRICE

~**A\$11,000 per set (2 wheels)**

PAYBACK

12 – 18 Months

CUSTOMERS

Leading blue-chip miners (e.g. BHP, Rio Tinto, South32, Newcrest, Yancoal)

PATENT PROTECTION

Long term patent coverage in key global markets

COMPETITION

Not approved for road use & cannot exceed 40 km/ph

TERRA DURA

THE GROWTH DRIVER



TERRA DURA

CAPABILITIES	Polymer encased, fully sealed, dry brake "Plug and Play" installation
SELLING POINT	Encased brake protects components, enhancing durability, significantly reducing maintenance costs Reduced risk of brake failure
IMMEDIATE TARGET MARKET	Surface mines, Underground mines, Construction, Forestry, Agriculture
MARKET SIZE	Immediate – 100,000+ vehicles Next phase – 500,000+ vehicles
PRICE	~A\$5,500 per set (2 wheels)
PAYBACK	3 - 6 Months - savings of ~A\$10,000 p.a. per vehicle)
CUSTOMERS	Fully paid trials (by customer) underway with leading blue-chip miners
PATENT PROTECTION	Long term patent coverage in key global markets
COMPETITION	No competition (Standard OEM Brakes)

TERRA DURA

COMPETITIVE ADVANTAGES



TERRA DURA

✓ SAFETY

Top braking performance remains completely unaffected by water, mud, or contaminants.

✓ LESS DOWNTIME

Removes the need for frequent servicing to replace worn or damaged brake parts.

✓ LOWER RUNNING COSTS

Labour and part replacement savings can pay back installation costs in as little as 3 months.

✓ ENVIRONMENTALLY FRIENDLY

Fully enclosed design results in zero braking emissions.

✓ LAST LONGER

Even under extreme conditions Terra Dura brake pads can last up to 50,000 km.

✓ EASY INSTALLATION

Can be self-installed and serviced by a qualified mechanic.

TERRA DURA TEST RESULTS



ROUGH ROAD TESTING

- Loops of **gravel** road with **mud and water** holes
- In total, over **6,000 km** of both rough road and normal road use
- Reached high speeds of **up to 100km/h**

RESULTS

Factory Brake

- Factory brake found with **fully worn pads** and **failed hub seal**
- If left unchecked, this would have resulted in a **costly rebuild of front axle**

Terra Dura

- Terra Dura® **internals remained dry, the hub to spline wear was minimal** and pad wear measures **were less than 1mm**
- Terra Dura® presented **no wheel bearing issues**
- Terra Dura® had **no loss in brake performance**

DUST INGRESS TESTING

- Test (IP6x standard) to determine product seal quality

RESULTS

- **No dust ingress**, providing further evidence that the Terra Dura® will protect its internal brake components from external, deteriorative particulates.

COLD CLIMATE TESTING

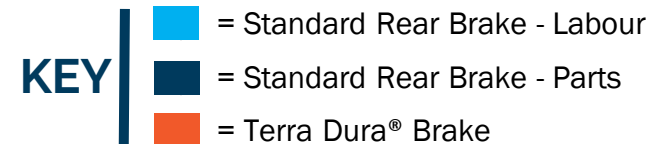
- US Military Standard Test (thermal shock), multiple cycles at **-50 °C**
- Two field trials at Canadian Mines

RESULTS

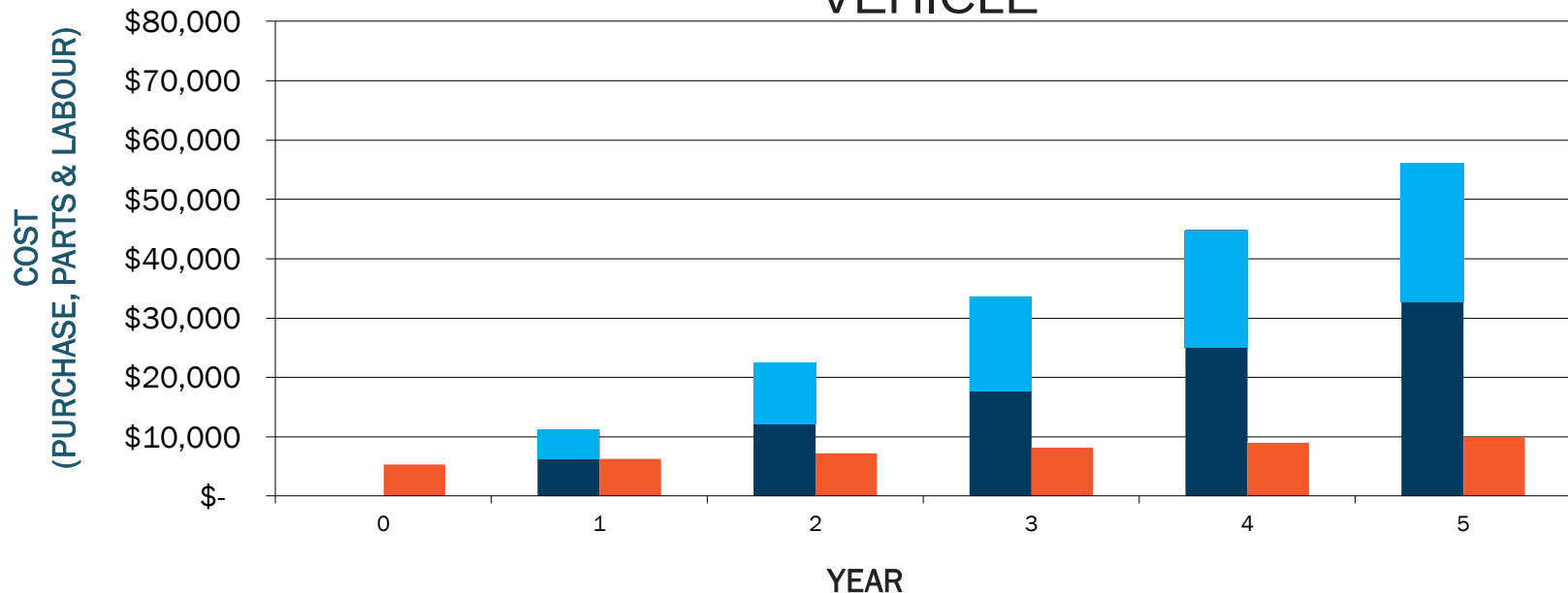
- Testing revealed no excessive wear, damage or degradation,
- In field - Terra Dura® operated without any problems and met performance expectations,

TERRA DURA PAY BACK

- Terra Dura® can save A\$40,000+ over 5 years, per vehicle
- Payback in as little as 3 months



TOTAL ACCUMULATIVE COST OF OWNERSHIP PER VEHICLE



TRENDS AND OPPORTUNITIES

TERRA DURA

MINING

The mining industry is experiencing a strong resurgence, with commodity prices increasing and companies increasing their spend globally. These tailwinds support a broad roll-out of Terra Dura® into the surface mining market.

CONSTRUCTION

Infrastructure spend in Australia and abroad is at all time highs, set to reach \$9 trillion by 2025.¹ Terra Dura® is a perfect fit and supports entry into this enormous market.

DEMAND DRIVERS

- **Emissions:** Concerns about dust and particulates from friction brakes
- **Accidents:** Concerns about truck and public transport incidents in particular
- **Industry:** Safety and OH&S
- **Electrification** of vehicles
- **Untapped global markets**



APPLICATIONS

Vehicle sales in Australia hitting record highs. Terra Dura® will initially supply for:



Toyota
Landcruiser 70



Toyota HiLux



Isuzu D-Max

1. <https://www.treasurers.org/node/10297>

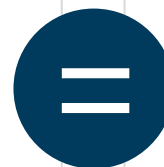
OUR FOCUS

The company has achieved targeted production run rates for first Terra Dura® applications and prepares to fulfill a significant expansion into international markets on the basis of more products to follow.

Management have carried out structural adjustments via the deployment of supply chain excellence, and development of a comprehensive distribution and channel partner engagement model that will support the projected growth trajectory over the next 12 months.

SUPPLY CHAIN

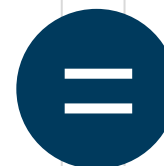
Establish an Enhanced Fulfillment Process



Increase production volumes at strong margins

DISTRIBUTION

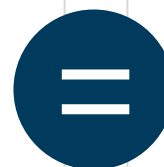
Deploy an Effective Engagement Model



Broad roll-out of Terra Dura® via an efficient and engaged network

BUSINESS MODEL

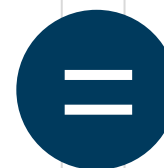
Define Market and Key Success Factors



Penetrate new markets and increase Terra Dura® vehicle applications / product range

ORGANISATION

Build a Results Focused Organisation



Operate profitably to drive growth and shareholder value

BUSINESS MODEL

LEAN AND SCALABLE

OUTSOURCED MANUFACTURING

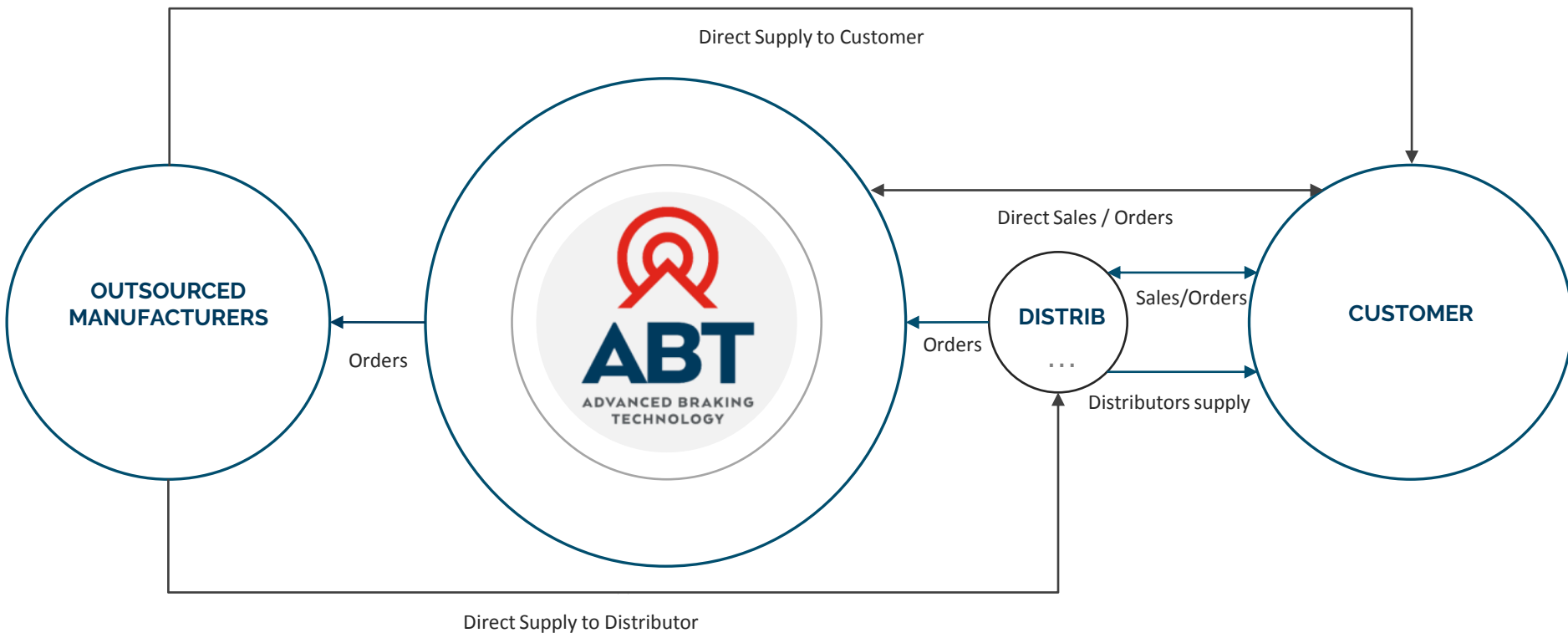
- Manufacturer(s) assemble and ship direct to end customer or distributor
- ABT holds minimal inventory

ABT FOCUSES ON:

- Direct sales
- Partner relations
- Research & Development
- Opportunity development

DISTRIBUTORS

- 18+ distributors globally to drive international growth



GLOBAL DISTRIBUTORS

ABT is well-positioned to take innovative solutions to market and capture additional business development opportunities globally with:

- 18+ distributors across key global markets.
- Additional distributors to be engaged to enhance market penetration.

