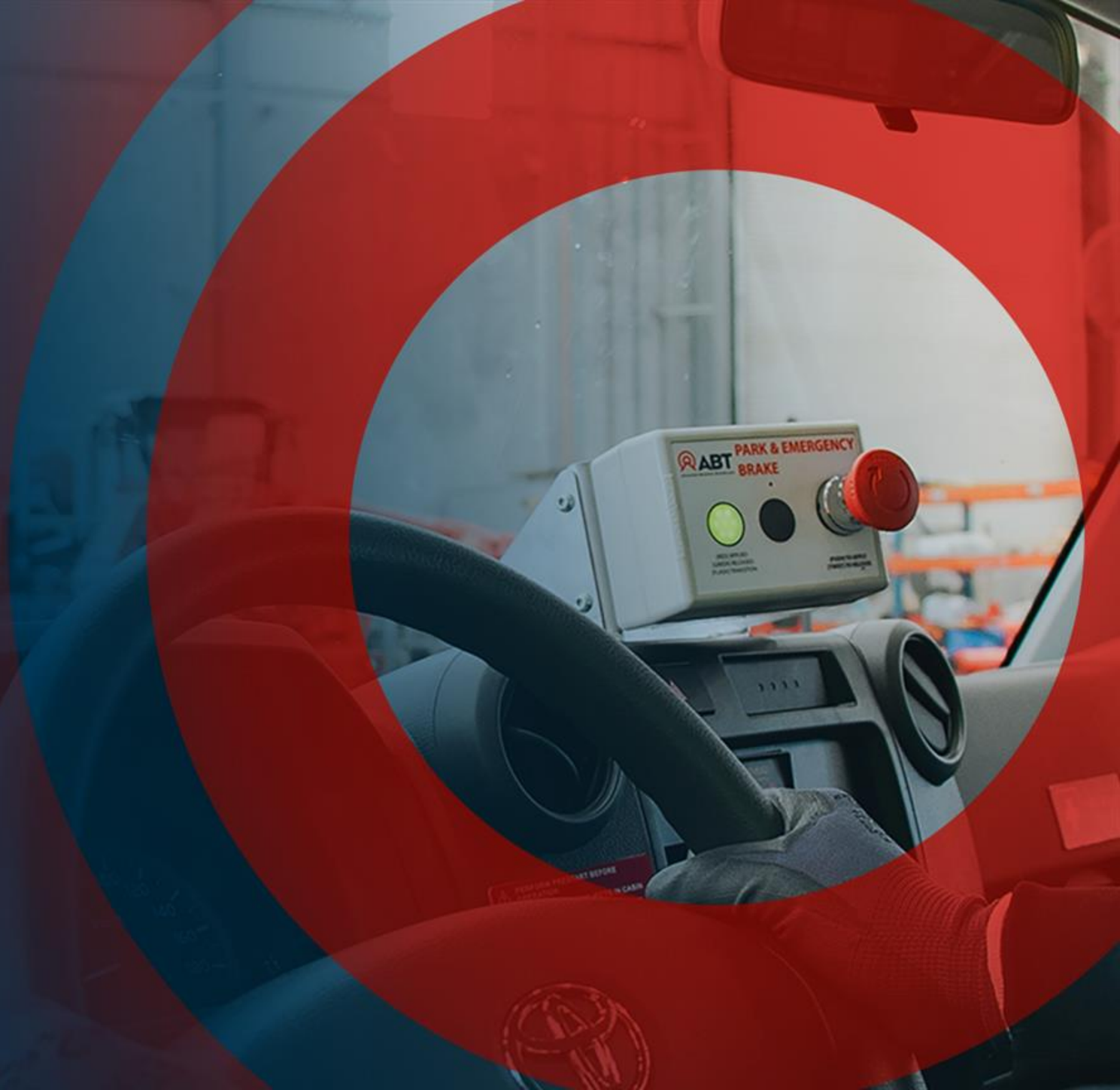
“BRAKING” RANKS

Solutioning for Mines today and Mines of the Future.

THE ABT STORY

Presented by: **Andrew Booth, CEO**



About ABT

Innovative braking solutions that protect people, assets and the environment

- Designed, developed, tested and manufactured in Australia
- Own Intellectual Property in Sealed Wet FailSAFE brake technology for vehicle fleets operating in rugged high-risk environments.
- A leading brand across the underground mining sector.
- ABT brakes have a proven reputation for unmatched safety, heightened productivity, zero emissions, and durability in the most challenging environments worldwide.

Our Customers

Global Mining and Mining Services Operators

Demand For Underground Mining

The International Energy Agency estimates the demand for minerals used for electric vehicles and battery storage will grow tenfold by 2040.

This market dynamic is boosting continued and unprecedented investment and growth in underground and other mining formats.

Since the global pandemic, the industry has seen an accelerated focus on Environment, Social and Governance (ESG) focus in the form of safety, compliance and technology driven environmental solutioning as a key driver for innovation.

ABT Exports Brakes to 7 Continents:

From Finland in the North to Antarctica in the South…..
We've got you covered.

40%

of revenue from overseas locations including:

- North America
- Europe
- Asia-Pacific
- South Africa
- South America
- Antarctica

60%

of revenue from the Australian Market

Summary Financial Results	FY23	FY22	Change
Revenue from ordinary activities	$14.69M	$11.74M	25.1%
Revenue from continuing activities	$14.15M	$11.1M	27.9%
Product margin	49.9%	43.9%	5.79%
Total Expenses	$6.7M	$4.9M	25.1%
EBITDA	$1.5M	$0.7M	82.6%
Net profit after tax	$1.47M	$0.64M	129%
Cash and cash equivalents	$2.05M	$1.74M	17.8%

BRAKESAFE DRIVELINE SIBS

BRAKESAFE WHEEL END SIBS

ABT BrakeSAFE Current and Development Innovation

Advanced braking systems and technology for a wide range of vehicle specifications and makes / models.

Legend:

Current

In Development

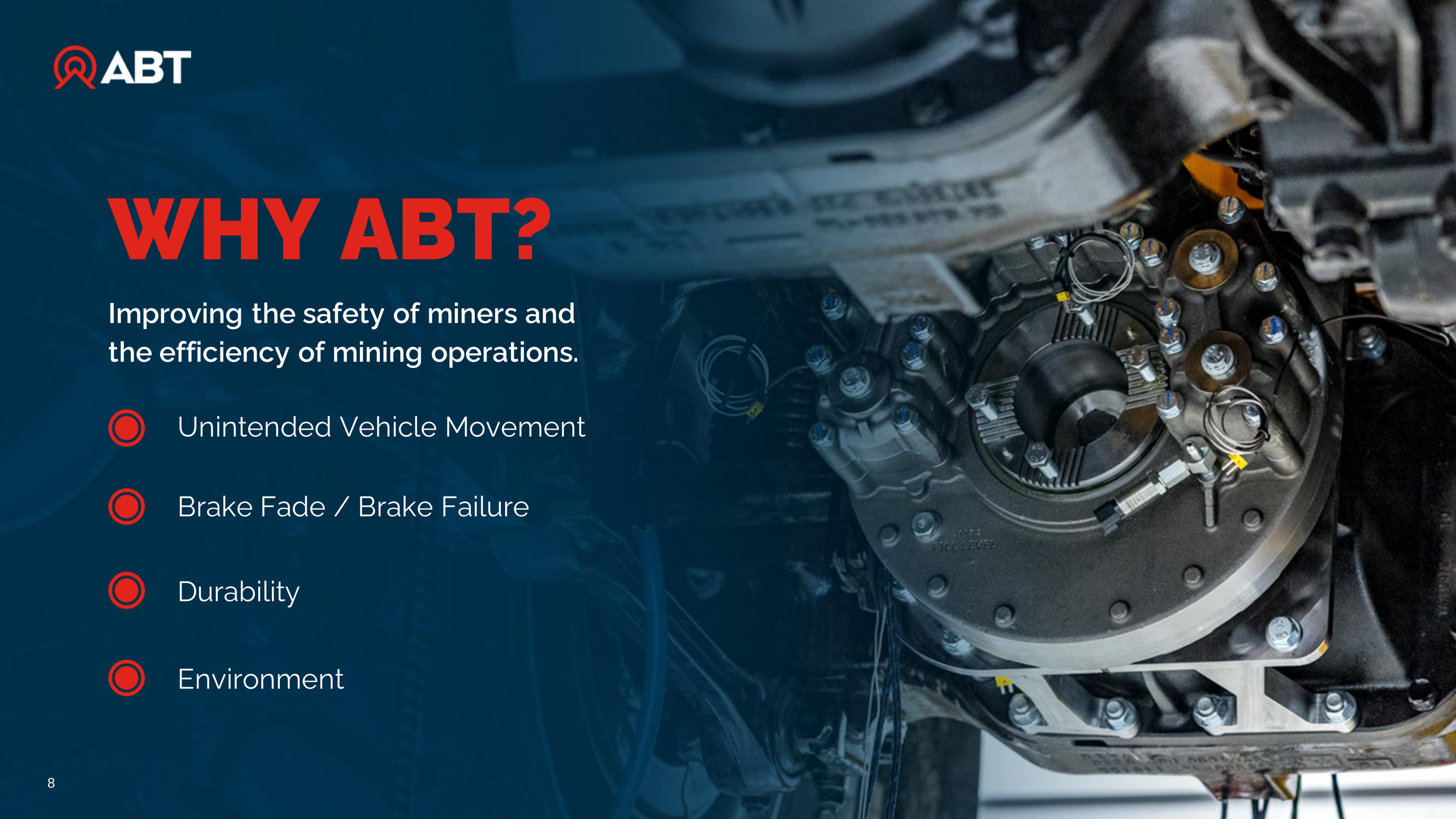
ABT	BrakeSAFE Wheelend	BrakeSAFE Driveline	Collision Avoidance Systems
TOYOTA Landcruiser			
TOYOTA Hilux			
FORD Ranger			
Ancillary Machinery			
Light Truck			
Medium Truck			
Heavy/Medium Truck			
Heavy Truck			

ABT

WHY ABT?

Improving the safety of miners and the efficiency of mining operations.

- Unintended Vehicle Movement
- Brake Fade / Brake Failure
- Durability
- Environment



Example 1:
Unintended Vehicle Movement

Causes

Technical Failure in the vehicle control system

Operator Error – forgetting to operate the Park Brake

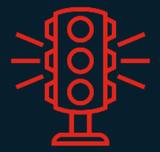
Example 1: Unintended Vehicle Movement

Safety Issues

Steep inclines and declines

Heavy Vehicle Traffic

Hard Rock Walls



Stop/Start frequent alighting vehicles

ABT Solution

ABT Failsafe provides back up activation methods designed to support the operating environment and vehicle operator activities.

Primary Activation Method

- Pressing the ABT controller e-stop button
- Ignition off

Secondary Activation Method – Interlock Systems

- Seat belt removed
- Door opened
- Engine stall

Example 2: Brake Fade and Brake Failure

Brake Fade Issues

Brake failure can occur due to various reasons, including:

Overheating and Inadequate Cooling

Brake Material and Design

Brake Failure Issues

Brake failure can occur due to various reasons, including:

Component Wear and Tear

Hydraulic System Failure

Contaminants

Inadequate Maintenance

ABT Solution

- Wet Brakes provide optimal thermal performance.
- Failsafe brake system Independent of the Vehicle
- Specifically designed for mine gradients over prolonged distances
- Specifically designed for mine gradients
- Sealed Brakes prevent intrusion of contaminants

Example 3: Open Brake Systems Lack Durability

ABT demonstrates superior total cost of ownership benefits of 23% over standard Brakes

Weekly and Fortnightly Servicing Required

Component Wear and Tear

Contaminants

ABT Solution

- SIBS offers superior Service Cycles IE: Wet / Sealed Brakes reduce service frequency from weeks to months.
- Sealed wet brakes prevent wear and tear in harsh rugged operating environments
- Wet brakes offer superior brake pad life Coefficient of friction creates less pad wear
- Less downtime = Improved Fleet Availability = Smaller more efficient fleets
- Lower CAPEX / OPEX

Example 4: Cleaner Air Environment

Approximately, 20% of a vehicle's emissions are sourced from harmful brake dust particles.

Environmental

Air filtration represents a significant investment for underground operators

Essential for safety and regulatory compliance

ABT Solution

Our brakes prevent **100% of Brake Dust Particulates** emitting into the environment where clean air is critical

SIBS Failsafe Braking for Electric

BRAKESAFE
WHEEL END SIBS

50% Exhaust	20% Brakes	30% Other

Proportion of emissions emitted by a diesel vehicle.

SIBS = 100% Sealed Brakes can reduce vehicle related greenhouse gas emissions by up to 20%.

The adoption of electric vehicles is likely to continue to grow as technology advances and regulatory pressure to reduce emissions increases.

ABT

Failsafe Braking for Collision Avoidance

Each year, between 30-40% of mining industry deaths are attributable to failures of vehicle interaction controls and of these about half involve pedestrians (EMESRT)

Collision Avoidance Level 9 to intervene and override the driver.

Failsafe Braking and Collision Avoidance Technologies provide complementary safety intervention systems which save lives.

What About Autonomous?

Autonomous Ford Ranger developed by Australian mining company - Drive

FMG has equipped autonomous driving technology to **a fleet of Ford Rangers** – after developing similar systems for heavy duty mining trucks since 2015.

ABTs Failsafe system is an integral part of the Driverless Vehicle System.

Evolution of BrakeSAFE

ABT solutioning for Road Trucks for Mine Haulage

Advantages of Conventional Road Trucks

- Cost – Operating Costs
- Speed – Power to Weight Ratio
- Capital Cost
- Future Electrification and Automation.
- Mine spec / Ruggedising Conventional Road Trucks
- Emergency Braking System (Failsafe Secondary System)
- Custom Body
- Upgraded Tires

Rio Tinto turns to mining mosquito fleet

Rio Tinto turns to mining mosquito fleet - Australian Mining

Solutioning for Heavy Ancillary Fleets in Mining

Preventing Unintended Vehicle Movement with a range of Failsafe Brake Systems.

Advantages of After Market Failsafe Brakes

- Emergency Braking System (Failsafe Secondary System)
- Mine spec / Ruggedising Conventional Road and Construction Fleets
- Driveline brakes designed to integrate into a diverse range of Heavy Fleets

Executive Management Team

Andrew Booth
Chief Executive Officer

More than 15 years Strategic Leadership in Australia and Asia in both Corporates and Multinational Co's. Experience spans International Business Operations, Transforming Organisational Culture, Business Turnaround, Business Development, Risk, Governance and Financial Management.

Angela Godbeer
Chief Financial Officer

Significant experience in ASX listed manufacturing environments with a successful track record within well-regarded organisations, some of which have undergone significant transformation aligned to strategic objectives.

Ben Weetman
Sales and Marketing Director

Ben offers extensive Mining and Mining equipment, technology and services (METS) experience both in Australia and Internationally.

Cale Ginbey
Operations & Engineering Director

16 years' experience in the Mining and Mining Equipment (METS) sectors including BHP, RIO Tinto and Schenck Australia. Cale has driven strategic programs focussed on delivering technology integration into large scale engineering lead operations.

ABT Highlights

- Financial Strength
- Valuable Intellectual Property
- Strong foundations for Scalability
- Sustained Profitability
- Bluechip Customer Base
- International Market Growth

ABT is solutioning for today and Mines of the Future

This presentation is approved for release by the Board of Advanced Braking Technology Limited.

Thankyou.
For further information please contact:

Corporate

Mr Andrew Booth

Chief Executive Officer

T: 1800317543

E: andrew.booth@advancedbraking.com

Investors

Ms. Kaitlin Smith

Company Secretary

T: 1800317543

E: kaitlin.smith@advancedbraking.com

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