# THE HOME OF LARGE HIGH QUALITY DIAMONDS

MERLIN DIAMONDS LIMITED – SEPTEMBER 2017 PRESENTATION



AUSTRALIA'S LARGEST DIAMOND AT 104.73 CARATS WAS MINED AT MERLIN

#### **CORPORATE SNAPSHOT**



Corporate Snapshot	
ASX Code	MED
Market Cap (at \$0.007)	\$10.5m
52 week high (\$/share)	\$0.03
52 week low (\$/share)	\$0.005
Shares on issue	~1.7b

Substantial holders	No. of shares	% ownership
The Gutnick Group	313,079,239	18.41
BNP Paribas Nominees Pty Ltd	122,118,103	7.35
Mr Vince Zangari	101,481,976	6.11
Citicorp Nominees Pty Limited	71,161,403	4.28
Total	607,840,721	36.15%

Directors, Management & Consultants: Joseph Gutnick, Henry Herzog, David Tyrwhitt, Mordechai Gutnick and Peter Lee



Australia's largest diamonds discovered at the Merlin diamond mine



Polished diamonds from Australia's largest rough diamond



Merlin production

## A COMPELLING INVESTMENT CASE



<ul> <li>High proportion of large, high quality gem diamonds in current and historical production</li> </ul>	~
<ul> <li>Current production has a high proportion of large diamonds – biggest to date 34.74 cts</li> </ul>	~
<ul> <li>Production to scale up with installation of Tomra XRT to enhance large diamond recovery</li> </ul>	~
<ul> <li>Merlin is under-developed – Kimberlites as deep as ~718m versus current mining down to ~90m</li> </ul>	~
<ul> <li>A very unique mine – presence of multi coloured diamonds incl. Pinks, Greens and Blues</li> </ul>	~
Over 4 million carat JORC Compliant Mineral Resource	~
<ul> <li>Significant exploration upside</li> </ul>	~



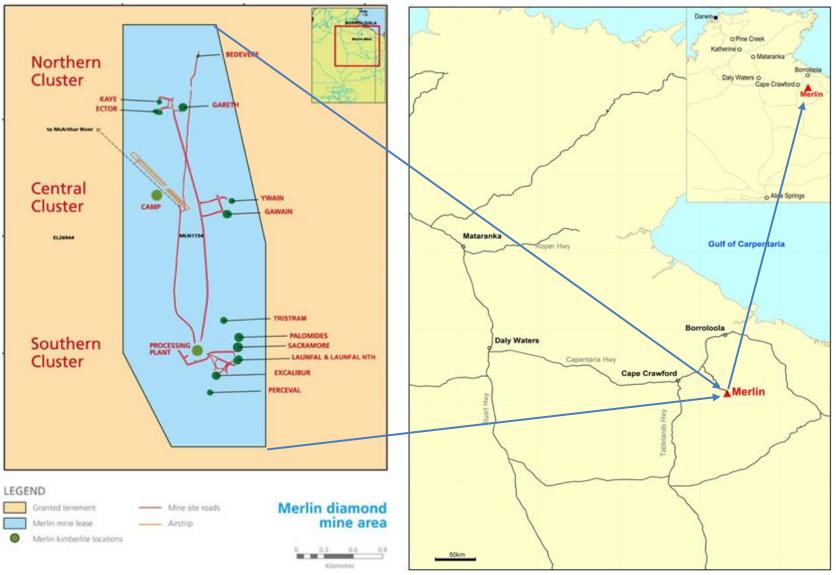
Current production



Current production

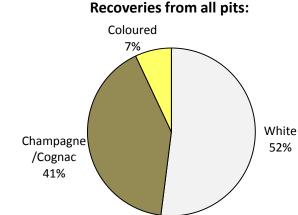
#### MERLIN DIAMOND MINE HAS SIGNIFICANT UNLOCKED VALUE





## A STRONG PRODUCTION TRACK RECORD





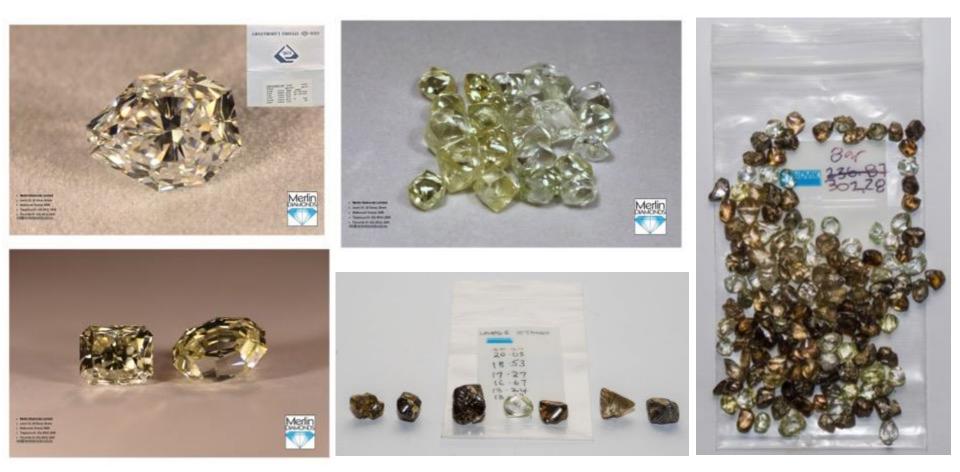
- Historical production yielding significant proportion of high quality, large, super white gem diamonds
- Presence of coloured stones highly encouraging for ongoing mining
- Recovery of large stones set to increase through implementation of Tomra XRT machine and ongoing mining program



Large diamonds discovered by Rio Tinto between 1999 and 2002

## DIAMONDS FROM CURRENT PRODUCTION





#### INSTALLATION OF TOMRA XRT TO ENHANCE PRODUCTION

- State-of-the-art technology will enhance larger diamond recoveries and reduce operating costs
- Currently successful at Lucara's Karowe diamond mine
- Expected to be operational at the Merlin diamond mine by October 2017
- Replaces conventional concentrator and detects all diamonds including coated and low-luminescent
- Prevents the crushing of larger diamonds



#### **EXPLORATION UPSIDE**

- Rio Tinto's 1997 feasibility study on the Merlin Diamonds project made the following comments:
  - "Small pipes, such as Ywain, may be fairly common in the field..."
  - "There is some potential for significantly larger pipes..."
  - "...evidence indicates that the Merlin field is part of a broader kimberlite province"
- Study of exploration data has identified 74 potential additional targets on mining lease
- 14 kimberlite pipes discovered so far
- Priority based on each target's similarity to geophysical and geochemical signatures of known pipes

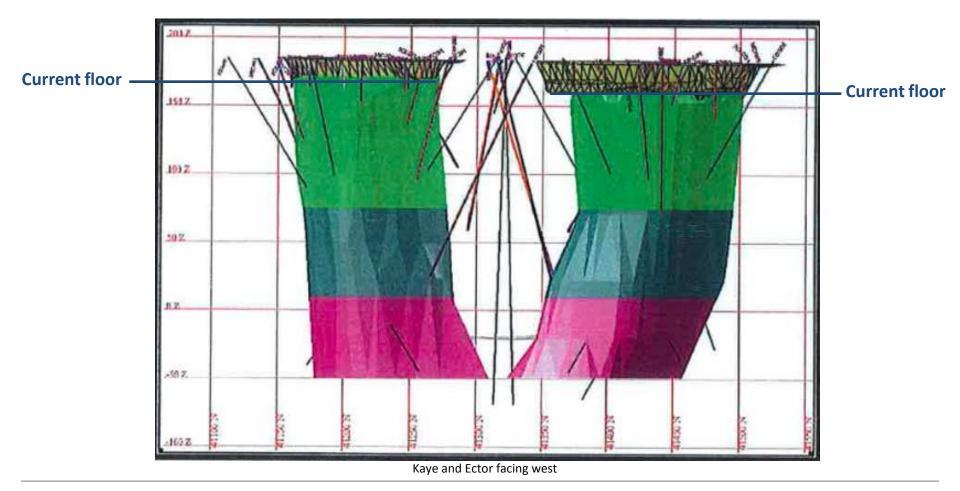




## POTENTIAL KIMBERLITE DEPTH



- Highly prospective Kaye and Ector have only been mined to 32 metres
- Pipes may merge providing significant mining upside for the Company
- Ector ore to be processed using Tomra XRT machine due to high proportion of large diamonds



#### **OUSTANDING GEOLOGY**

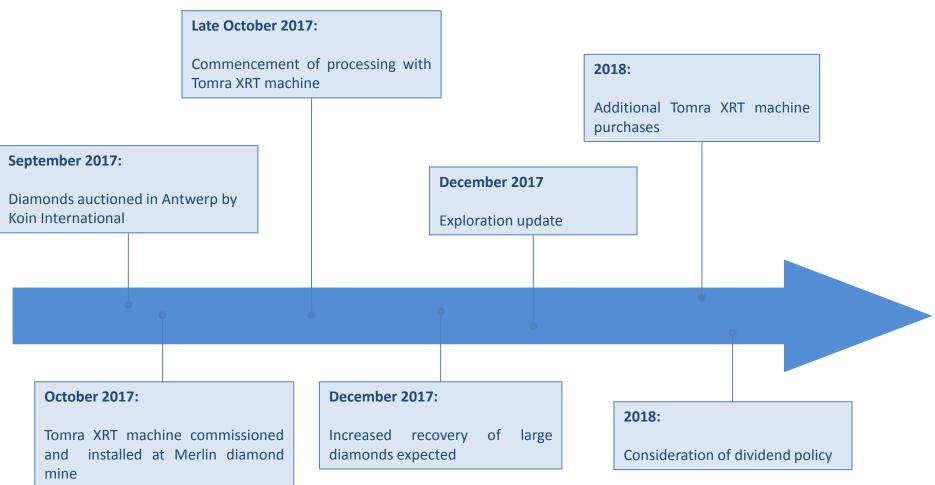
- The Merlin diamond mine lease has 14 known diamond-bearing kimberlite pipes
- Area is highly prospective for diamond-bearing kimberlite pipes and MED continues to undertake exploration on the mine lease and adjacent tenements
- Previously completed studies from Rio Tinto convey significant potential small pipes and potential for significantly larger pipes within the region
- Kimberlite pipes remain undermined mining only extends between 32m 99m
- Recent drilling shows Palsac extends to ~718m

Pit	Current pit diameter (m)	Pipe diameter (m)	Current Pit Floor Level (m bgl)
Ywain	119	25	39
Gawain	163	50	54
Excalibur	209	60	75
Gareth	247	60	83
Palomides	198	60	62
Launfal	245	50	99
Кауе	171	125	32
Ector	241	241	29



### NEAR TERM VALUE DRIVERS





### VALUE BEING REALISED NOW

- Revenues from diamond auctions
- Tomra XRT installation and operation
- Mining of Ector and Kaye pits
- Scheduled production increase



Kaye (right) and Ector (left) kimberlite pipes - currently being dewatered

#### THANK YOU



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