## ASX ANNOUNCEMENT



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#### **Galena Mining Limited**

ASX : G1A (G1ADA)

Shares on Issue 278,000,000 (post 1:5 share split)

Cash (Dec Qtr) \$3.1m

**Directors & Management** 

Non-Executive Chairman Adrian Byass

**CEO** Edward Turner

**COO** Troy Flanner

**Non-Executive Directors** Jonathan Downes Oliver Cairns Tim Morrison

**Company Secretary** Stephen Brockhurst

<u>Registered Office</u> Level 11, 216 St Georges Tce Perth WA 6000 T 08 9481 0389

<u>Contact</u> 5/245 Churchill Ave, Subiaco WA 6008

T 08 6166 3750 E admin@galenamining.com.au 28 March 2018

#### UPDATED ANNOUNCEMENT – G1A DEVELOPING A WORLD CLASS MINING ASSET

Galena Mining Limited (ASX: G1A) ("Galena" or the "Company") wishes to retract ASX announcement released to the market on 28 March 2018 "G1A Developing a World Class Mining Asset" as it included production targets which cannot be relied upon and included a comparison of Abra's resources, which included a component of inferred material, to peers' reserves.

As a consequence of the retraction of the information, the Company advises that the information should be disregarded and that accordingly investors should not rely on the retracted information for their investment decisions.

The Company wishes instead to replace the announcement with the attached and be released from the trading halt which it requested earlier this morning.

For more information visit <u>www.galenamining.com.au</u>

Contact

Ed Turner CEO Galena Mining Limited <u>eturner@galenamining.com.au</u> 08 6166 3750







# Revised Presentation -Developing a World Class Lead-Silver Asset

March 28 2018



#### <sup>)</sup> For Consideration

This presentation has been prepared by Galena Mining Limited "Galena". This document contains background information about Galena current at the date of this presentation. The presentation is in summary form and does not purport to be all inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this presentation.

This presentation does not constitute investment advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Galena Mining Limited has a prospectus on issue and available. Investment decisions should be based upon detailed reading and understanding of the prospectus and applications should use the application form contained in that prospectus. Recipients should seek professional advice when deciding if an investment is appropriate. All securities involve risks which include (among others) the risk of adverse or unanticipated market, financial or political developments.

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#### **Competent Persons Statement**

Competent Person Statement: The information in this report related to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr E Turner B.App Sc, MAIG, and Mr A Byass, B.Sc Hons (Geol), B.Econ, FSEG, MAIG both an employee and a Director of Galena Mining Limited. Mr Turner and Byass have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves. Mr Turner and Mr Byass consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.



#### Capital Structure (Post 1:5 Split)

Shares on issue (ASX.G1A)	278 million
Options on issue*	42.25 million
Share price	\$0.20
Market Cap	\$56 million
Cash balance (31 Dec 2017)	\$3.1 million
Debt	Nil

#### Tight Capital Structure

Board and Management	38.8%
Тор 20	65.8%

\*Options issued to employees and management with 11.75m having an exercise price of \$0.06 and expiry date of 30 June 2020, and 18m having an exercise price of \$0.08 and expiry date of 30 June 2021. 5m having exercise price of \$0.30

#### **Board of Directors & Key Management**

#### A proven track record in acquisition, financing, development and production of mineral assets

Adr	ian Byass	Non Executive Chairman	Economic geologist, experienced Board member, mine development specialist
Ed 1	Turner	Chief Executive Officer	Geologist, 30 years global experience, base and precious metals, former exploration manager of Abra
Troy	y Flannery	Chief Operating Officer	Mining engineer, underground development, base metals, corporate analysis
Jona	athan Downes	Non Executive Director	Geologist, mining and mine development expertise
Olly	/ Cairns	Non Executive Director	Corporate finance, LSE & ASX capital markets, M&A, IR
Tim	othy Morrison	Non Executive Director	Corporate finance, Capital markets, M&A, IPOs





100% owned

World class lead-silver JORC resource of 11.2 Mt @ 10.1% Pb within 36.6Mt @ 7.3% Pb



All offtake available



Granted Mining Licence in WA



PFS Q3 2018 Production 2020



Targeting high margin, low capex

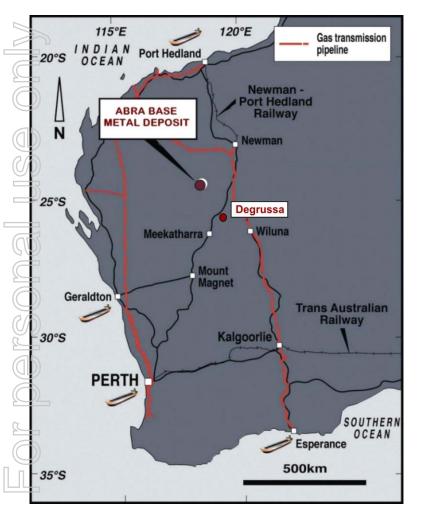
Easy processing - high

recovery, high quality

concentrate

### **Location and Infrastructure**





- 100% owned by Galena Mining, Abra is located approximately 110km from Sandfire Resources high-grade Degrussa copper mine in mining friendly Western Australia
- Well serviced by infrastructure and located approximately halfway between Newman and Meekatharra
- Lead sulphide exports (Golden Grove base metal mine) have been shipped in an environmentally safe manner through Geraldton for +20 years



Geraldton Port has ample capacity for Abra concentrate exports



### 11.2Mt @ 10.1% lead and 28g/t silver\* within 36.6Mt @ 7.3% lead and 18g/t silver\*\*

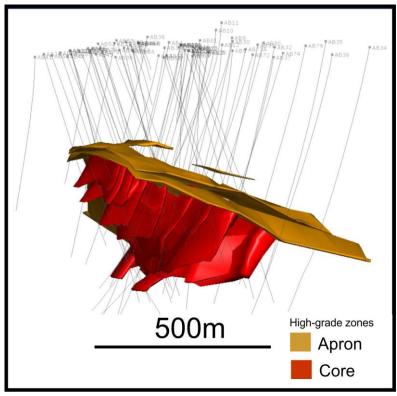
Well-drilled, high confidence resource Resource remains open along strike and at depth

Significant copper and gold intersections below lead-silver zone

**4m @ 6.3% Cu and 0.2 g/t Au** from 716m in AB22A (including **1m @ 10.5% Cu** from 716m); and **8m @ 5.8 g/t Au and 1.0% Cu** from 506m in AB3 (including **1m @ 15.0 g/t Au** from 509m)

\*Indicated Resource of 5.3 Mt at 10.6% lead & 28 g/t silver and an Inferred Besource of 5.9 Mt at 9.7% Pb & 29 g/t silver (using a 7.5% Pb cut-off) using ID2 interpolation. See appendices for more detail

\*\* Indicated Resource of 13.2 Mt at 7.9% lead & 19g/t silver and an Inferred Resource of 23.5 Mt at 6.9% Pb & 17 g/t silver (using a 5.0% Pb cut-off) using ID2 interpolation. See appendices for more detail



3D view of Abra looking south east highlighting the high grade mineralised zones and scale. Drilling and 5% lead shells shown.



World Class deposit with +5Mt of contained lead

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## Simple, cheap processing



- Simple mineralogy and standard flotation to concentrate
- Historic test work achieved +90% recovery to high-grade concentrate
- Low Capital and Operating Cost
  - · A
    - All offtake available



High grade massive galena from Abra (AB71)

- 27
- High Quality Concentrate of 55 65% lead grade in test work

### PFS underway

- Underground (decline access) mechanised mining using industry standard techniques of Room and Pillar for the Apron and Long Hole Stoping for the Core zones are proposed
- Flotation to concentrate
- Low CAPEX comparable to other WA underground operations
- Ability to increase production tonnages in future years

### Abra compares favourably to peers DeGrussa and Nova

- Mechanised underground operations
- Similar depth and size
- High payability
- Produce a concentrate and ship to port for export
- Decade plus potential mine life







H2 2018 - PFS to be completed; granted Mining Licence

#### Key specialists appointed covering:

engineering, metallurgy, mine planning, hydrology, environmental and native title; *regular news flow on all fronts over coming months* 

**2019** – BFS, Offtake, Financing, underground development commences

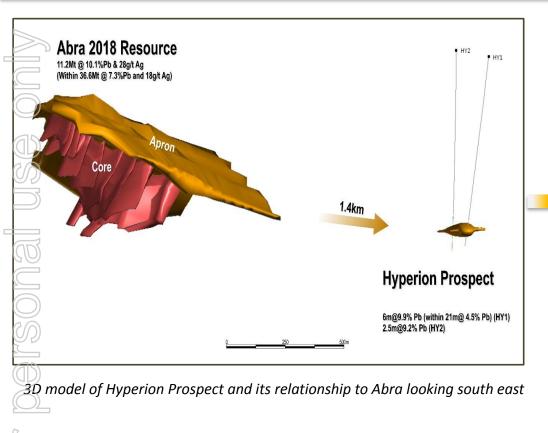
**2020** – Construction, underground development, commissioning, commence production

**Granted Mining Licence** 

Galena has a defined vision to develop Abra as a high-grade, high margin mining operation within 3 years.



## Hyperion – presents additional resource opportunity



Hyperion sits ~1.4km west of Abra

 Same stratigraphic horizon going deeper

Historic high grade drill results of
6m @ 9.9% Pb from 548m in HY1 and;
2.5m @ 9.2% Pb from 572m in HY2

fits interpretation of the high-grade model at Abra

Abra Apron is not closed off

Ready opportunity to increase size of Abra



(%)

- Woodlands Prospect ~50km West of Abra
  - Significant historic intersections include 60m @ 0.3% copper in WDH1 (inc.
     0.4m @ 8.4% copper and 16g/t silver from 558m) and 3m @ 1.6% copper from 188m in JLWA-78-34
- Strong coincidental conductive electromagnetic plates for massive sulphide copper mineralisation will be drilled Q2 2018

### Manganese Range and Quartzite Well Prospects

- Significant historic intersections include 28m @ 2.3% lead, 32g/t silver & 1.2% zinc from 121m in JLWA-75-7
- Detailed review of geology and geophysics underway will prioritise drill targets to be followed and targets will be tested this year

Work to commence on these highly prospective base metal prospects in conjunction with Abra PFS

> Any positive results will add upside to overall Galena story

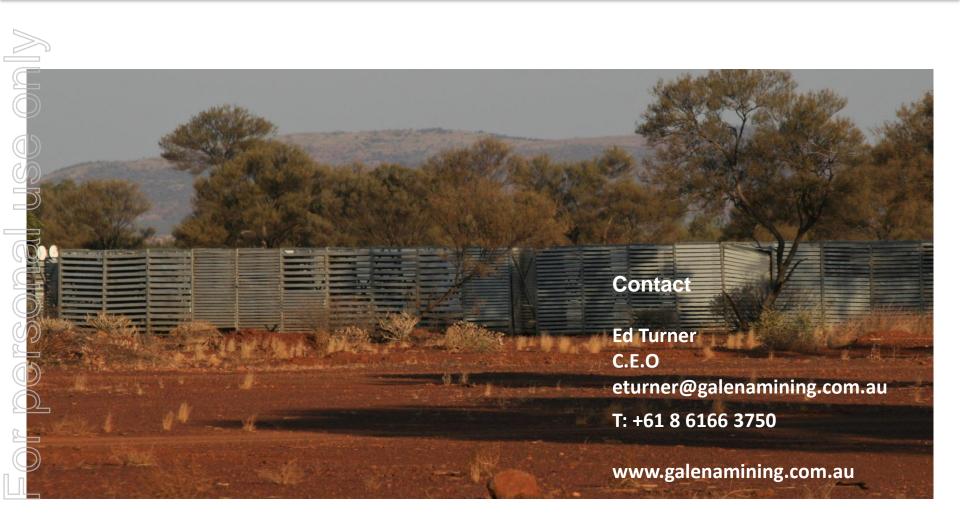


GALENA MINING LIMITED ASX:G1A

- Galena owns 100% of one of the largest undeveloped leadsilver deposits in the world on a granted mining licence in WA
- World class, high grade resource of 11.2 Mt @ 10.1% Pb within 36.6Mt @ 7.3% Pb a GLOBALLY SIGNIFICANT DEPOSIT
- Accelerated strategy to deliver robust PFS in H2 2018 -Production targeted for 2020
- **High grade, low capex**, high margin underground mining strategy with option to increase after constant production reached (Stage 1 0.75-1.0Mtpa)
- **Easy processing** for high recovery and a high quality concentrate
- Established infrastructure Geraldton Port, WA has exported lead sulphide concentrates for +20 years
- All offtake available at a time when the demand for lead is growing with supply shrinking

### **Contact Information**







- 1. Mineral Resource Tables
- 2. The Lead Market
- 3. Lead The right commodity at the right time
- 4. The Australian Landscape for Lead
- 5. Longer Term Lead price A\$:US\$ decoupling
- 6. Galena's base metals projects 100% owned



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## Table 1: Abra March 2018 JORC Resource Estimate(Inverse Distance interpolation)

INDICATED RES				
Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	3,800,000	13,200,000	7.9	19
6.0	2,700,000	9,300,000	8.9	22
7.0	1,800,000	6,300,000	10.1	26
7.5*	1,500,000	5,300,000	10.6	28
8.0	1,300,000	4,500,000	11.1	30
9.0	900,000	3,200,000	12.2	35
10.0	700,000	2,300,000	13.2	42
INFERRED RESO	OURCE			
Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	6,900,000	23,500,000	6.9	17
6.0	4,000,000	13,400,000	8.0	21
7.0	2,300,000	7,800,000	9.1	26
7.5*	1,700,000	5,900,000	9.7	29
8.0	1,300,000	4,600,000	10.2	32
9.0	900,000	3,000,000	11.2	39
10.0	600,000	2,000,000	12.0	46
TOTAL RESOUR	RCE (INFERRED	AND INDICATED	COMBINED)	
⊐Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	10,700,000	36,600,000	7.3	18
6.0	6,600,000	22,700,000	8.4	21
7.0	4,100,000	14,100,000	9.5	26
7.5*	3,300,000	11,200,000	10.1	28
8.0	2,700,000	9,100,000	10.7	31
9.0	1,800,000	6,300,000	11.7	37
10.0	1,300,000	4,300,000	12.7	44

## Table 2: Abra March 2018 JORC Resource Estimate(Ordinary Kriged Interpolation)

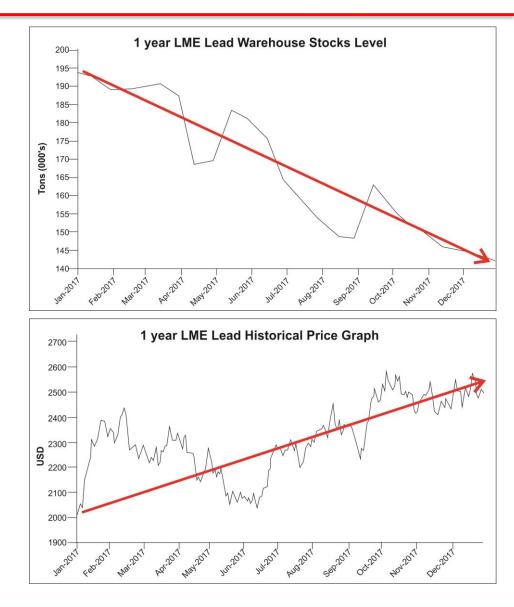
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INDICATED R				
Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	3,900,000	13,600,000	7.6	18
6.0	2,800,000	9,600,000	8.5	21
7.0	1,900,000	6,400,000	9.5	26
7.5*	1,600,000	5,400,000	10.0	28
8.0	1,300,000	4,400,000	10.4	30
9.0	900,000	2,900,000	11.5	37
10.0	500,000	1,800,000	12.8	48
INFERRED RES	OURCE			
Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	6,800,000	23,200,000	6.7	17
6.0	3,800,000	12,800,000	7.6	21
7.0	1,900,000	6,600,000	8.8	27
7.5*	1,400,000	4,900,000	9.3	31
8.0	1,100,000	3,600,000	9.9	36
9.0	600,000	2,100,000	10.9	45
10.0	400,000	1,400,000	11.6	53
TOTAL RESOL	RCE (INFERRED	AND INDICATED CO	OMBINED)	
Pb% Cut off	Vol m <sup>3</sup>	Tonnes	Pb%	Ag g/t
5.0*	10,700,000	36,800,000	7.0	17
6.0	6,500,000	22,300,000	8.0	21
7.0	3,800,000	13,000,000	9.1	26
7.5*	3,000,000	10,300,000	9.7	29
8.0	2,300,000	8,000,000	10.2	33
9.0	1,500,000	5,000,000	11.2	40
10.0	900,000	3,200,000	12.3	51

\* denotes preferred cut-offs for resource reporting

Nb Tonnages are rounded to the nearest 100,000t, lead grades to one decimal place and silver to the nearest gram. Rounding errors may occur when using the above figures.

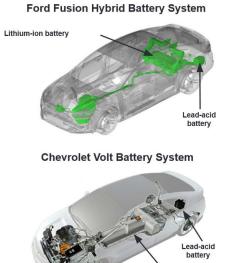


Consumption up year on year for last decade Demand is growing Stockpiles are down Prices are up A\$ lead price highest since discovery 





- In January 2018 Lead reached its **highest price since 2011** 
  - Over 75% of lead demand is utilised in lead-acid batteries, in vehicles and for solar power storage
  - Most of todays hybrid vehicles contain lead-acid batteries as well as lithium-ion batteries



Lithium-ion battery



- Demand from 2010-2016 was up 56%, led by China but increasing demand in North America and Europe
- Coupled with expected ongoing demand growth, supply is becoming constrained with Treatment Charges falling to below zero as China tries to attract lead concentrate\*\*

(\*) Source: Deutsche Bank, United States Geological Society, company data (\*\*) Wood Mackenzie

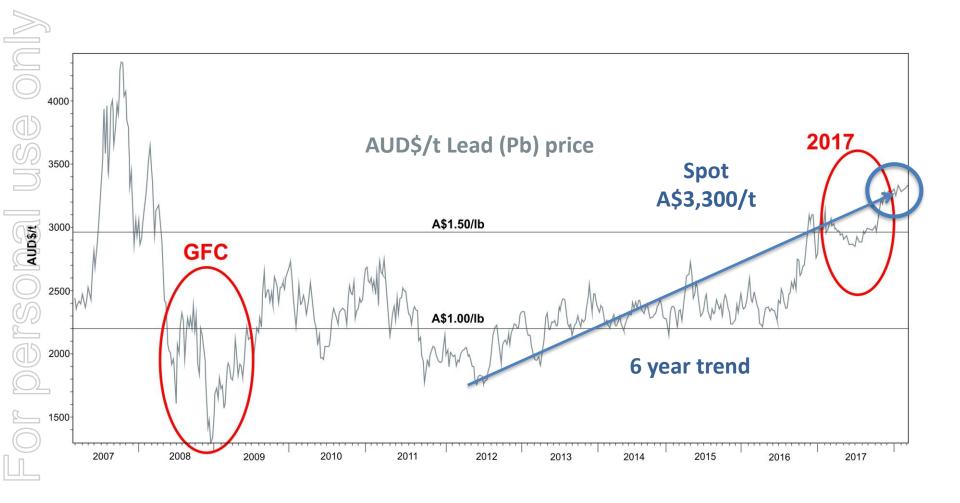
## **Appendix 4 - The Australian Lead Landscape**



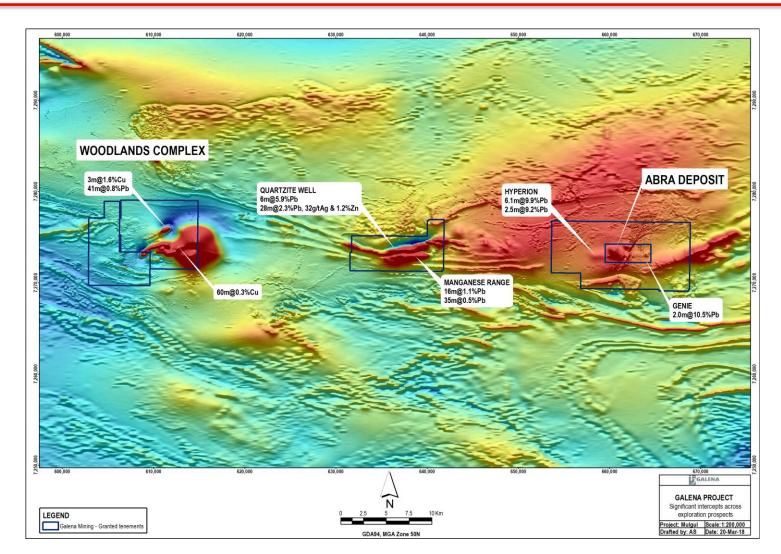
- Australia is already the worlds largest exporter Galena is planning on doing more of what we do well here already
- South 32's Cannington mine currently produces 7% of the world's lead annually
- Other significant lead projects include:
  - o McArthur River
  - o Broken Hill
  - o Golden Grove
- 500ktpa of new mine capacity is estimated to be required by 2020 with probable projects only being able to deliver ~300ktpa

Abra is therefore GLOBALLY VERY SIGNIFICANT as an upcoming lead mine









Galena's exploration prospects with significant historic drill intersections on magnetic background