



Construction Update

September 2016

(US\$ in Millions, Unless Otherwise Indicated)



LYDIAN
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Cautionary Statements

Forward Looking Information & Estimates of Reserves and Resources



Certain information contained in this presentation, including any information relating to Amulsar's expected future performance, is "forward looking". All statements in this presentation, other than statements of historical fact, that address events, results, outcomes or developments that the Corporation expects to occur are "forward-looking statements". Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by the use of forward-looking terminology such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", "projects", "potential", "targets", "believes" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "should", "might" or "will be taken", "occur" or "be achieved" or the negative connotation of such terms. Forward-looking statements in this presentation relate primarily to the results of the Amulsar value engineering and optimization study entitled the "NI 43-101 Technical Report Amulsar Value Engineering and Optimization Armenia" dated November 20, 2015 and prepared by Samuel Engineering, Inc., and include, among others, statements with respect to: the economic and feasibility parameters of Amulsar; the nature, cost and timing of development of the Amulsar project; expected capital costs, sustaining capital costs, production, cash costs and all-in sustaining costs; the timing and amount of funding under the Corporation's project finance agreements; the expected mine life, scale, mining methods and plan, processing methods and rates, grades, recovery rates, stripping ratio, production and other attributes of Amulsar; the tonnages and grades of mineral reserves and resources and the estimation of mineral reserves and resources; the realization of mineral resource estimates and the timing of development of the Amulsar project, including the expected start date of production; results of future exploration and drilling; the potential extension of the Amulsar project mine life through the evaluation of currently defined inferred resources and from open extensions at depth; the commitment to and implementation of good international industry practices; the timing for receipt of permits and approvals; the expected pre-tax and after-tax NPV, IRR and payback period associated with Amulsar; the support of the Armenian government and local communities. Statements concerning mineral resource estimates may also be deemed to constitute forward-looking information to the extent that they involve estimates of the mineralization that will be encountered when the property is developed.

Forward-looking statements are necessarily based on estimates and assumptions that are inherently subject to known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements to be materially different from those expressed or implied by such forward-looking statements. Such risks, uncertainties and factors include, without limitation: significant capital requirements and availability of capital resources to fund such requirements; fluctuations in international currency markets; price volatility in the spot and forward markets for commodities; tax rates or royalties being greater than assumed; discrepancies between actual and estimated production, between actual and estimated reserves and resources and between actual and estimated metallurgical recoveries; changes in national and local government legislation in Armenia; changes to the Corporation's mine plan or profitability or to the Corporation's asset profile that might alter the allocation of tax attributes to the Amulsar project; controls, regulations and political or economic developments in Jersey, Canada or Armenia; the speculative nature of mineral exploration and development; risks associated with obtaining and maintaining the necessary licenses and permits and complying with permitting requirements; failure to extend the mine life of the Amulsar project through the evaluation of defined inferred resources and from open extensions at depth; and uncertainties inherent to mining economic studies such as the Amulsar value engineering and optimization study, including the risk that the assumptions underlying such study and its economic parameters will not be realized. Additional risk factors are discussed under "Risk Factors" in the Corporation's most recently filed Annual Information Form and also see "Risk Factors" in the Corporation's most recently filed Annual Management's Discussion and Analysis. Although the forward-looking statements contained in this presentation are based upon what management believes to be reasonable assumptions, these risks, uncertainties, assumptions and other factors could cause actual results, performance and achievements to differ materially from the expectations, future results, performances or achievements expressed or implied by the forward-looking statements. Accordingly, readers should not place undue reliance on forward-looking statements. The Corporation does not undertake any obligation to publicly update or revise any forward-looking statements except as expressly required by applicable securities laws.

Information concerning estimates of minerals reserves and resources

This presentation uses terms that comply with reporting standards in Canada and certain estimates are made in accordance with National Instrument 43-101 – Standard of Disclosure for Mineral Projects, which establishes Canadian standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. These standards differ significantly from the requirements of the U.S. Securities and Exchange Commission ("SEC"), and mineral resource information contained herein may not be comparable to similar information disclosed by U.S. companies. This presentation uses the terms "measured mineral resources", "indicated mineral resources" and "inferred mineral resources" to comply with reporting standards in Canada. We advise U.S. investors that while such terms are recognized and required by Canadian regulations, the SEC does not recognize them. U.S. investors are cautioned not to assume that any part or all of the mineral deposits in such categories will ever be converted into mineral reserves under SEC definitions. These terms have a great amount of uncertainty as to their existence, and great uncertainty as to their economic and legal feasibility. Therefore, U.S. investors are also cautioned not to assume that all or any part of the "measured mineral resources", "indicated mineral resources" or "inferred mineral resources" exist. In accordance with Canadian rules, estimates of "inferred mineral resources" cannot form the basis of pre-feasibility or other economic studies. It cannot be assumed that all or any part of the "measured mineral resources", "indicated mineral resources" or "inferred mineral resources" will ever be upgraded to a higher category.

Where we say "we", "us", "our", the "Corporation", or "Lydian" in this presentation, we mean Lydian International Limited and/or one or more or all of its subsidiaries, as may be applicable.

Amulsar Gold Project – Armenia

Compelling Asset Generating Value Through Construction

- 100%-owned, emerging as a leading gold development project
- Large scale operation to be Armenia's largest gold mine
- Low cost production profile benefiting from:
 - Conventional mining and processing
 - Low waste : ore ratio
 - Excellent gold recoveries
- Financed and permitted to launch construction
- Ramping up to initiate fieldwork
- First gold targeted for Q1 2018



Amulsar Gold Project – Location

Exceptional Access & Regional Infrastructure



- 170 km southeast of Yerevan
- Located on Armenia's primary infrastructure corridor
 - Paved access to site
 - Local workforce
 - High-voltage power on site
 - Internet connection in place
 - Water on site for construction & operations
- Qualified contractors in-country for most services
- Adjacent to major supply routes from Georgia & Iran
- International air-service in/out of Yerevan



Large Scale Oxide Deposit

Initial 10-Year Mine Plan from 2.4 Million Oz P+P Reserves



- Pit design optimized at \$912/oz gold; economic evaluation at \$1,150/oz gold
- Excellent operating profile
 - Waste : Ore ratio at 2.4 – including 26 million tonnes of inferred classified as waste
 - Life-of-mine gold recovery estimated at 87% – column tests consistently show +90%
- Upside potential from inferred resources and prospective extensions at depth

Amulsar Reserves (0.2 g Gold/t cutoff)					
Classification	Quantity tonnes	Gold Grate, g/t	Contained Gold, ozs	Silver Grate, g/t	Contained Silver, ozs
Proven Reserves	67,145,900	0.79	1,703,300	3.7	7,940,000
Probable Reserves	29,508,200	0.76	718,200	3.5	3,352,300
Total Proven & Probable	96,654,100	0.78	2,421,500	3.6	11,292,300
Waste	229,084,500				
Recoverable Gold & Silver			2,113,000		702,000

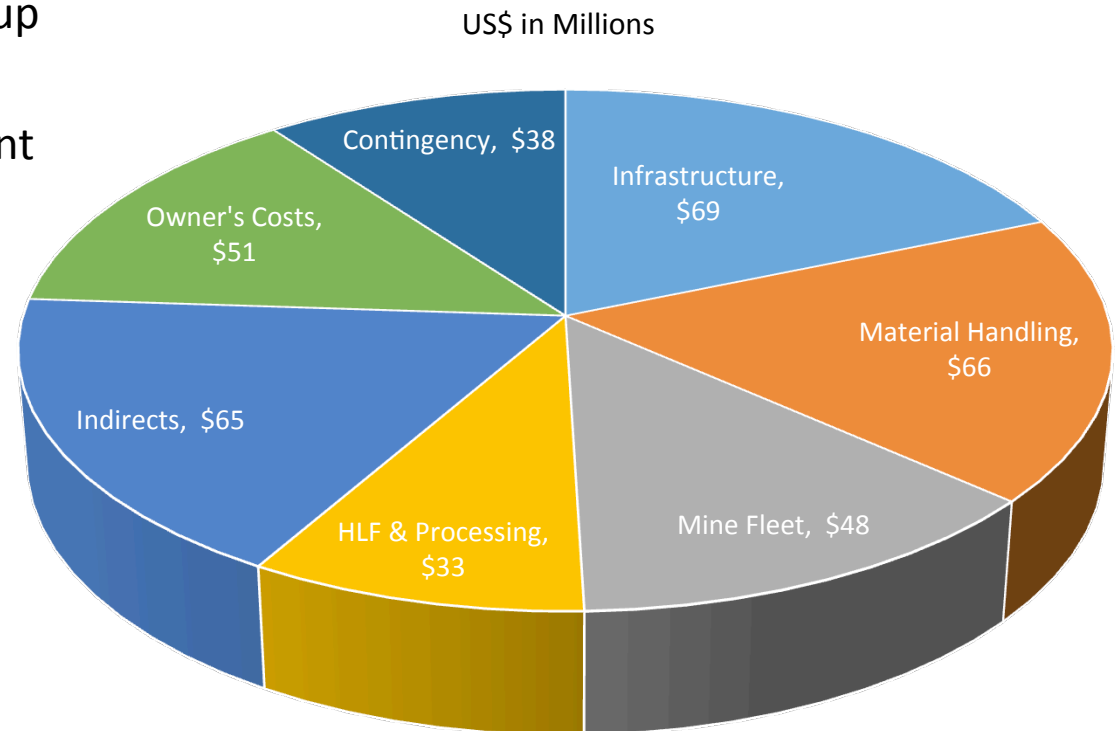
Mineral Resource Statement AMC Consultants (UK) Limited, 29 August 2014					
Classification	Quantity tonnes	Gold Grate, g/t	Contained Gold, ozs	Silver Grate, g/t	Contained Silver, ozs
Measured	77,200,000	0.78	1,930,000	3.6	8,810,000
Indicated	45,100,000	0.76	1,100,000	3.5	5,120,000
Measured and Indicated	122,400,000	0.77	3,030,000	3.5	13,930,000
Total Inferred	106,200,000	0.59	2,010,000	2.6	8,980,000

See Slide 22 for applicable notes to reserves and mineral resource statements.

Amulsar Feasibility Study

Initial Capital Optimized at \$369.9 Million

- Capital efficiencies achieved
 - Site layout for constructability and operability
 - Crushing plant – supported by column leach tests and blast fragmentation study
 - Mine fleet aligned with ramp-up and stage of operations
 - Staged heap leach development
- Greater allowances included
 - Earthworks
 - Construction indirects
 - Owner's costs



Amulsar Feasibility Study

Amulsar Mine Profile and Economics



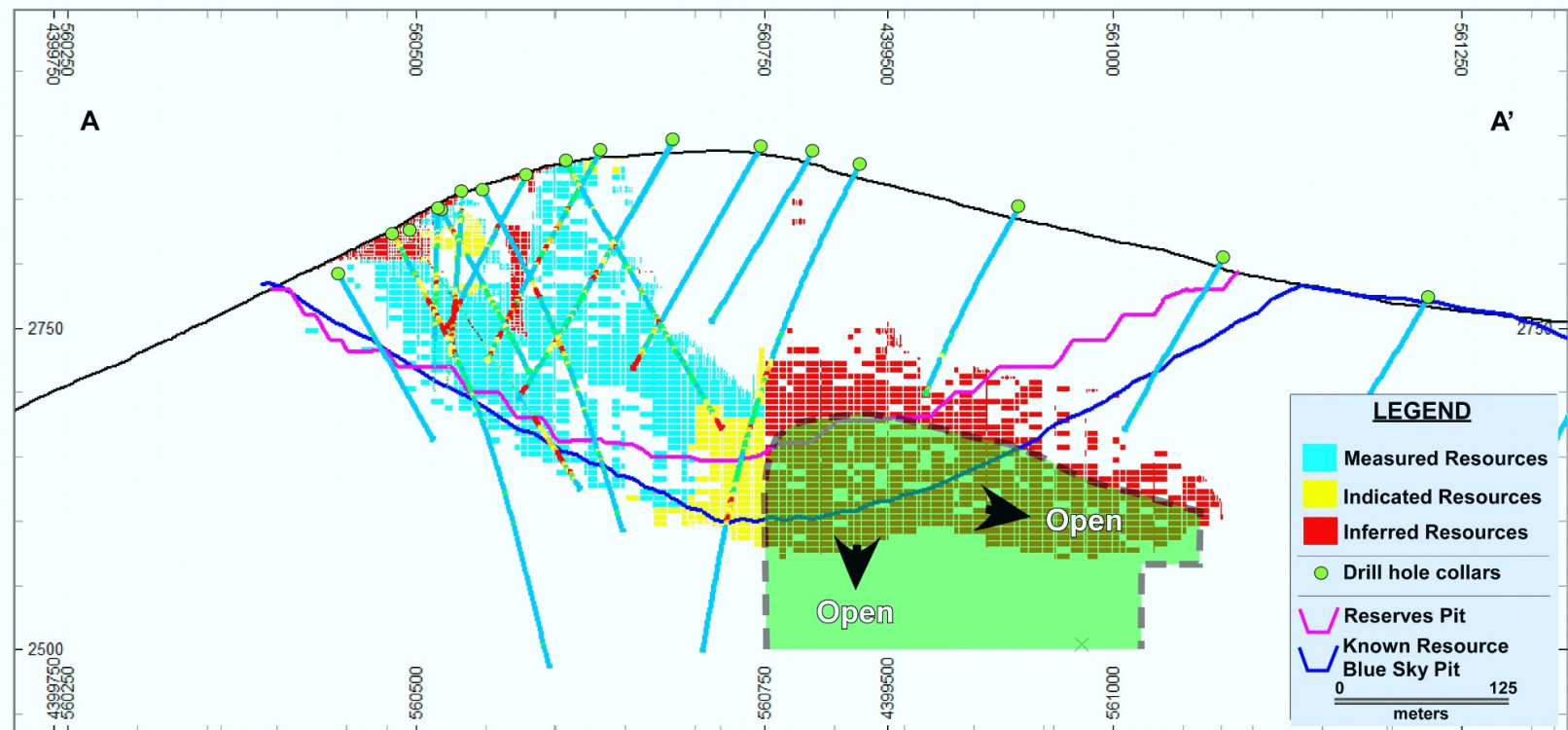
Operating Profile	Q4 2015 NI 43-101
Initial Mine Life (Years)	10.0
Annual Tonnes Processed	9,700,000
Waste : Ore Ratio	2.4
Gold Grade (g/t)	0.78
Gold Recovery	87.2%
Annual Gold Produced (oz)	211,000
All-in Sustaining Costs (\$/oz)	\$585

Economic Results (Unleveraged after-tax)	\$1,325 Gold \$19.00 Silver	\$1,150 Gold \$16.00 Silver
Free Cash Flow From Operations (Years 1 – 10)	\$1,197 million	\$949 million
NPV @ 0% Discount	\$825 million	\$577 million
NPV @ 5% Discount	\$515 million	\$338 million
IRR	28.6%	21.6 %

Growth Potential

Upside within Inferred Resource and at Depth

- Resource Conversion
 - Within current pits: 26 million tonnes at 0.57 g/t inferred.
 - Optimizing to include inferred adds: 40 million tonnes at 0.73 g/t. Mostly limited by drilling density
- Open potential below pit limits (below East-West section of Erato Deposit)
- Update to resource model and mine plan anticipated in 2017



Project Financing

Flexible Financing Plan Nearing \$440 Million

✓ Equity

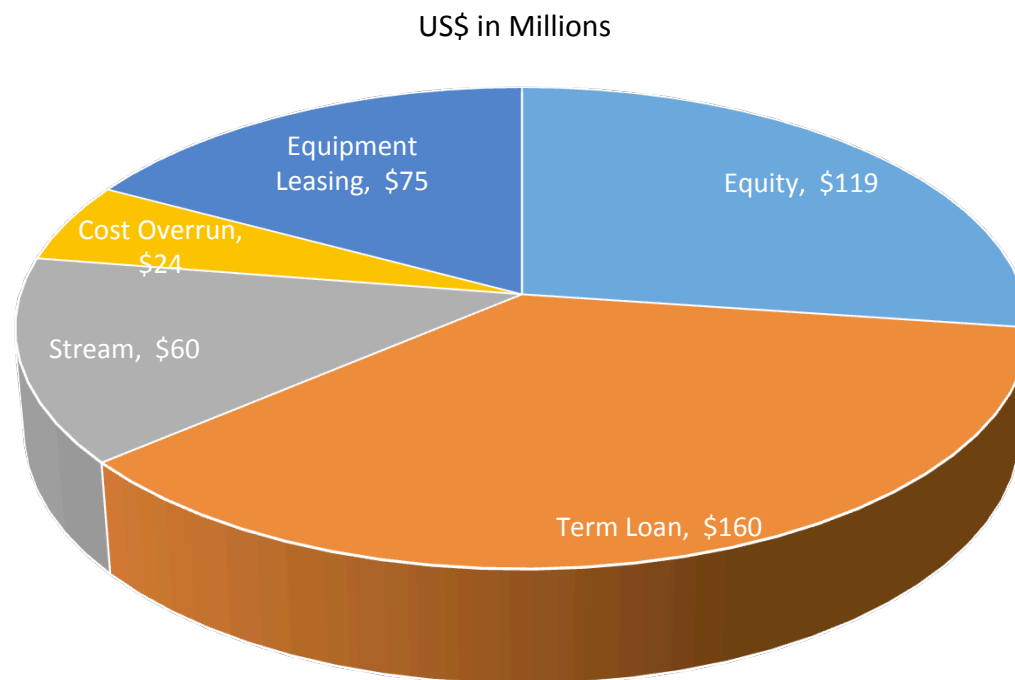
- RCF / Orion: \$ 80 million
- Public Offering: \$ 29 million
- EBRD: \$ 10 million

✓ Term Loan & COF

- Orion / RCF \$160 million
- Libor + 6.5%; 5.5 year term
- COF @ Libor + 9.5%

✓ Stream

- Orion / RCF \$ 60 million
- Capped deliveries
- Equipment Leasing
 - Mid-point target \$ 75 million
 - Multiple sourcing through vendor financing, export credit facility and Armenian bank



Mining, Access & Construction Rights

Strong Support for Amulsar Development at All Levels

- ✓ National Level rights fully approved
 - Mining Right through the Ministry of Energy & Natural Resources
 - Environmental Impact Assessment through the Ministry of Nature Protection
 - Technical Safety Program through the Ministry of Emergency Situations
- ✓ Environmental and Social Impact Assessment disclosed by Lydian, EBRD & IFC
- ✓ Land Acquisitions
 - Highly supportive land owners: +99% have sold; balance have agreed to sell and title transfers in process
- ✓ Local community approval converted lands to industrial use
 - Local community approval of construction permits in process



Amulsar Project Design & Engineering

Key Engineering Underway; Leveraging 2015 Value

Heap Leach Facility (Samuel)

- Most advanced from Value Engineering
- Detailed engineering +80% complete

Material Handling Systems (Sandvik)

- Vendor engineering reducing timelines
- Basic engineering by early Q4 2016

Major Earthworks (Golder)

- Roads, platforms & site-wide water
- Detailed engineering by early-mid Q4 2016

Power & Control Systems (ABB)

- Main power supply, plant electrical & other
- Basic engineering by early Q4 2016

Buildings (Samuel & Other)

- Pre-fab basic engineering +80% complete
- Construction Accommodations
 - Hotel renovation starting
 - Camp order in process

Organizational Development

Rapidly Building Core Competencies for Construction

Construction

- Construction engineering
- Project controls
- Construction management

Sustainability

- Health & safety
- Environmental compliance & monitoring
- Community relations

Project Support

- Human resources
- Procurement
- Logistics

Operations

- Mining & technical services
- Process engineering

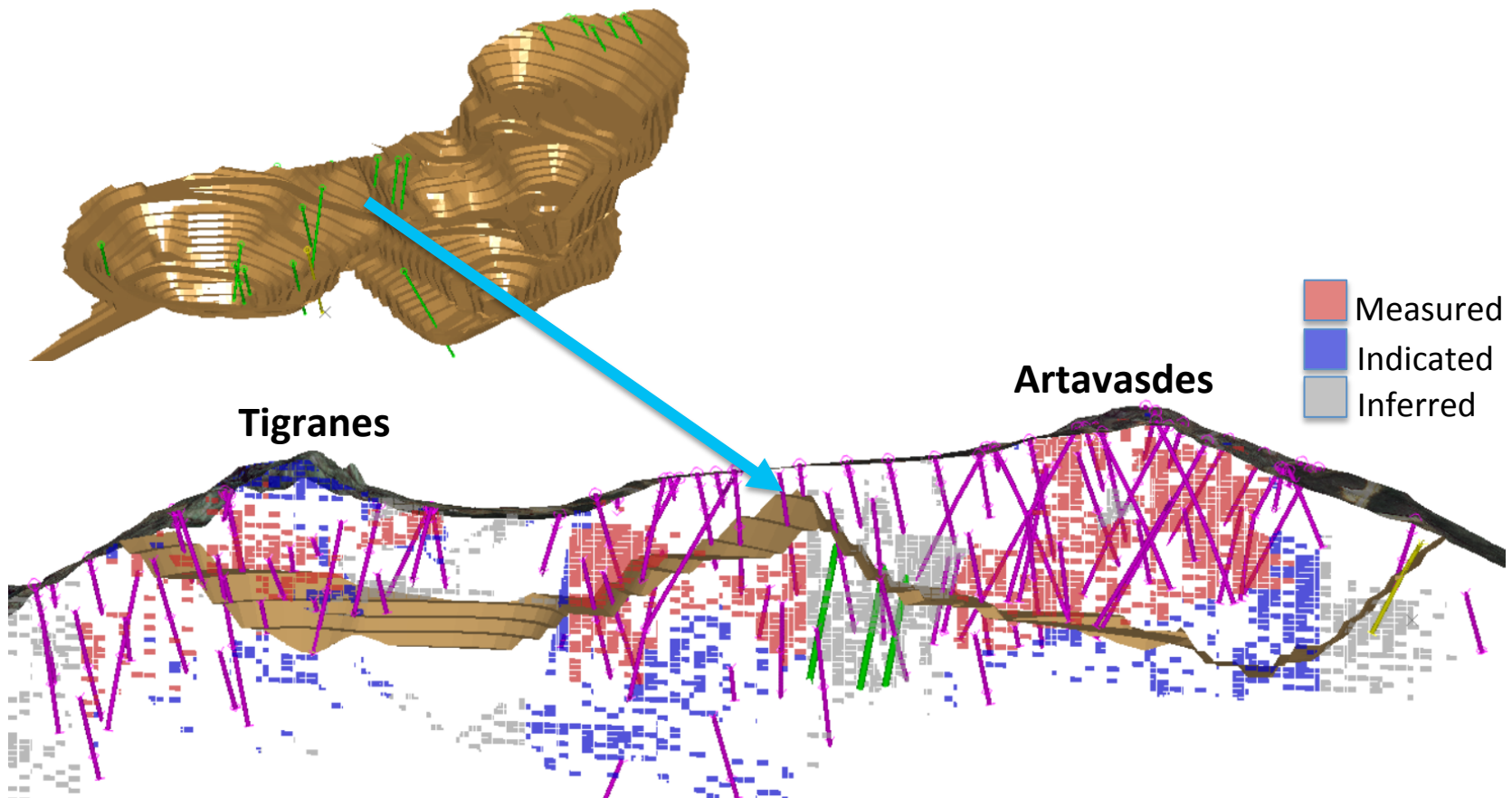
Other

- Government relations
- IT Systems & internal controls
- Accounting

Drilling: 2016 Program

Multiple Objectives Supporting Mine Development & Upside

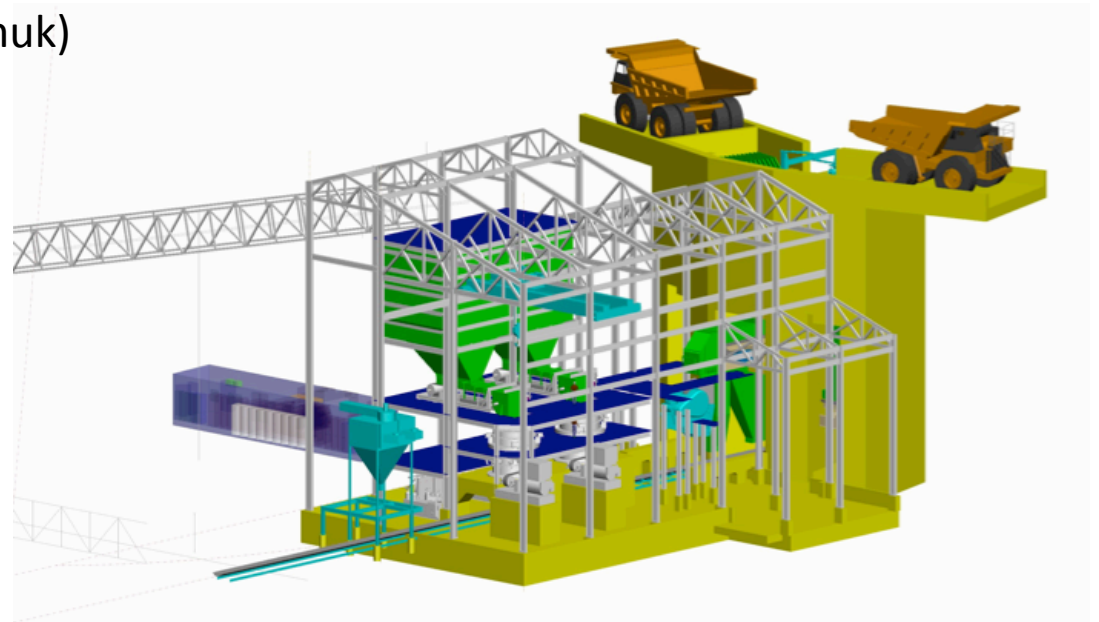
- Infill Drilling: Convert inferred to indicated, bring down Tigranes/Artavasdes wall
- Grade Control: 20 metre centers for early mine planning
- Geotechnical: Confirmatory in key construction footprints



Early Works

Clearing Path for Construction Start

- Pipeline diversion from HLF footprint
- Repair community water channel
- Construction accommodations
 - Hotel renovation for accommodations, commissary and Jermuk offices
 - Preparing for temporary camp platform and utilities
- On-site offices platform
- Road construction
 - Upgrade existing roads (from Jermuk)
 - RD-5 (Gndevaz to Site 14)
- Geotech confirmatory drilling
 - HLF, BRSF and various platforms
- Power line relocation
- Construction permits



Sustainability

Cornerstone of Our Construction & Operating Philosophy

- Amended Environmental Impact Assessment
 - Aligns to 2015 feasibility study
 - All public hearings completed, and approval received in May 2016
- Environmental and social frameworks
 - ESIA amended; held for public consultation; and disclosed by Lydian, EBRD and IFC
 - Environmental and Social Management System in place
- Biodiversity and cultural heritage programs
 - *Potentilla porphyantha* translocation highly successful
 - Brown bear monitoring ongoing, with positive findings
 - National park evaluation in process
 - Archeological study completed
- Other
 - Community relations programs ongoing
 - Increasing focus on job skills and training
 - Site-wide security survey



Comparable Development Stage Companies

Targeting to Re-Rate Central to Construction Strategy



Market Cap C\$ (millions)	\$250	\$414	\$2,653	\$792	\$519	\$2,017
P/NAV	0.5x	0.6x	0.9x	0.9x	0.9x	1.1x
Asset Name	Amulsar	Volta Grande	Brucejack	Hardrock	Yaramoko	Morelos
Asset Location	Armenia	Brazil	B.C.	Ontario	Burk. Faso	Mexico
Expected Startup	2018	2018	2017	2020	2016	2016
Average Gold Production	211,000	260,000	404,000	253,000	100,000	369,000
Mine Life	10	17	18	12	7.5	8.5
AISC/oz US\$	\$585	\$779	Na	\$450	\$590	\$616
Initial Capex US\$ (millions)	\$370	\$298	\$641	\$410	\$111	\$800
Funding	Substantially	Partially	Funded	Unfunded	Funded	Funded

Source: Company Filings
Prepared by: GMP Securities
Note: Priced as of August 10, 2016

The Value Proposition

2016/2017 Transformational Years



Path forward for construction to becoming a mid-tier gold producer

Financed to execute on the construction strategy

Strong government and community support

Low all-in sustaining costs

Robust mining project with upside potential



Thank You



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Corporate Summary



Trading Symbols

- Ordinary Shares:
- Publicly-trading Warrants

LYD
LYD.WT



Share Capital

- Ordinary Shares
- Publicly-trading Warrants
- Unlisted Warrants

699 million
99 million
5 million

Market Capitalization

- Recent price of C\$0.50

C\$349 million

Cash on Hand

- Sourced from:
 - May 2016 public and private offerings
 - August 2016 EBRD private placement

\$124 million

Leveraged Financing

- Term Loan (arranged)
- Cost Overrun Facility (arranged)
- Stream (1st deposit received)
- Stream (2nd deposit pending)

\$160 million
\$ 25 million
\$ 25 million
\$ 35 million

Newmont Royalty

- 3% NSR, but capped at \$20 million

Board of Directors

Development Oriented – Independent, Diverse Experience

Gordon Wylie (Non-executive director & Chair)	<ul style="list-style-type: none">• 32 yrs mining experience• AngloGold-Ashanti Global• Exploration manager
Howard Stevenson (President & CEO)	<ul style="list-style-type: none">• 25 yrs global mining experience• Alacer Gold President & COO• Meridian & Gold Fields
Bill Abel (Non-executive director)	<ul style="list-style-type: none">• 40 yrs professional mining engineer• Global assurance, mining & project management experience
Steve Altmann (Non-executive director)	<ul style="list-style-type: none">• MD at Morrison Park• Desjardins Head of Mining• Banking & corporate experience
Gillian Davidson (Non-executive director)	<ul style="list-style-type: none">• Head of Mining & Metals, World Economic Forum• Global experience in sustainable development
Josh Parrill (Non-executive director)	<ul style="list-style-type: none">• Resource Capital Funds• Le Farge North America
Tim Read (Non-executive director)	<ul style="list-style-type: none">• 40 yrs banking & mining experience• MD/Co-head Mining & Minerals at Merrill Lynch• Adastra CEO
John Stubbs (Non-executive director)	<ul style="list-style-type: none">• 40 yrs professional mining experience• McKinsey & Co.• BHP Billiton

Mineral Reserves & Mineral Resources

Notes

Notes to Mineral Reserves:

1. The pit design was based on an optimization shell generated on gold only at a gold price of \$912/oz.
2. The economic evaluations were based on a gold price of \$1,150/oz and a silver price of \$16.00/oz.
3. A diluted gold cut-off grade of 0.20 g/t was used for processing.
4. The effective date of this Mineral Reserve estimate is October 23, 2015.

Notes to Mineral Resources:

1. The effective date of the Mineral Resource Statement is 29 August 2014.
2. A cut-off grade of 0.20 g/t gold for this Project based on an optimized open-pit shell based on a gold price of \$1,500 per ounce of gold and assuming an open-pit mining scenario.
3. Figures have been rounded to the appropriate level of precision for the reporting of Indicated and Inferred Resources in the upper and lower volcanic units.
4. Due to rounding, some columns or rows may not compute exactly as shown.
5. Mineral Reserves are reported inclusive of Mineral Resources.
6. Mineral Resources in this statement are not Mineral Reserves and do not have demonstrated economic viability. The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, title, taxation, socio-political, marketing, or other relevant issues. Mineral Reserves have been previously reported for this Project using a prior Mineral Resource statement.