Cautionary Statement

Forward-looking information

This investor presentation contains forward-looking statements and information as defined in applicable securities laws including: the estimates of the Company’s mineral reserve and resources; estimates of the Company’s production volumes; forecasted sales volumes and pricing; projected revenues of the Company; exploration and development plans and objectives including an anticipated resource upgrade; estimated production costs, exploration and development expenditures; estimates of ore to be mined by the Company and corresponding operating and sustaining costs; and the cost, timing and results of the commercialization of Clara. Generally, these forward-looking statements can be identified by the use of forward-looking terminology such as “expects”, “anticipates”, “believes”, “intends”, “estimates”, "potential", “possible” and similar expressions, or statements that events, conditions or results “will”, “may”, “could” or “should” occur or achieved. Forward-looking statements are based on the assumptions, opinions and estimates of management as of the date such statements are made, and they are subject to a number of known and unknown risks and uncertainties which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievement expressed or implied by such forward-looking statements. In particular, such risks include general business and economic conditions, changes in interest and foreign currency rates, the supply and demand for, deliveries of and the level and volatility of prices of rough diamonds, costs of power and diesel, acts of foreign governments and the outcome of legal proceedings, inaccurate geological and recoverability assumptions (including with respect to the size, grade and recoverability of mineral reserves and resources), unanticipated operational difficulties (including failure of plant, equipment or processes to operate in accordance with specifications or expectations), cost escalations, unavailability of materials and equipment, government action or delays in the receipt of government approvals, industrial disturbances or other job actions, adverse weather conditions, unanticipated events relating to health safety and environmental matters, delays or failure to successfully commercialize Clara’s platform, acceptance of Clara’s platform by the diamond industry, risks relating to the technology underlying Clara’s platform and other risks inherent in the implementation of new technologies, and other risks and uncertainties describe under Risks and Uncertainties disclosed under the heading “Risk Factors’ in the Company’s most recent Annual Information Form available at http://www.sedar.com.

Forward-looking statements and information speak only as of the date the statements were made, and the Company does not assume any obligations to update or revise them to reflect new events or circumstances, except as required by law. Readers are cautioned not to place undue reliance on forward-looking statements and information. This presentation does not constitute an offer or invitation to purchase or subscribe for any securities and no part of it shall form the basis of or be relied upon in connection with any investment decision in relation thereto.

Technical information


The authors of these technical reports are independent of the Company and are qualified persons for the purposes of National Instrument 43-101 – Standards of Disclosure for Mineral Projects (“NI 43-101”). The technical reports are available for review on SEDAR at www.sedar.com.

All currencies mentioned in this presentation are in United States Dollars (“US$”) unless otherwise mentioned.
The Investment Case

100% owned Karowe Mine in Botswana

- High margin diamond producer since 2012
- One of the world’s foremost producers of large Type IIa gem quality diamonds
- 158 diamonds have sold for > US$1 million each (total value in excess of US$600 M)
- $43 million in cash on hand, no debt
- PFS underway on Karowe underground with potential to extend mine-life to 2036

100% owned Clara Diamond Solutions

- A secure, digital sales platform that uses proprietary analytics together with cloud and blockchain technologies to modernize the existing diamond supply chain, driving efficiencies, unlocking value and ensuring diamond provenance from mine to finger

Progressive Annual Dividend

- CDN$0.10 for 2018. US$257 million paid since implementation of dividend policy in 2014
Catalysts 2018

- Updated Resource statement for Karowe Q2
- PFS underway on Karowe underground with potential to extend the mine life to 2036
- Move to a blended tender process - lowers inventory time for large, high value diamonds, smoother predictable revenue profile
- Commercialization of Clara platform Q3
- Exploration drilling AK11 – LDD sample results Q2
Q1 2018 Highlights

100% owned Karowe Mine in Botswana

- No LTI’s / 2.9 million man hours since last LTI / LTIFR of 0.06
- Ore mined, processed and carats recovered within forecast
- 218 specials (single diamonds larger than 10.8 carats), representing 6.8% of the total recovered carats by weight
- 327 carat top white gem and a 472 carat top light brown gem in April

100% owned Clara Diamond Solutions

- Completed the acquisition of Clara; commercialization on track for Q3, 2018

Progressive Annual Dividend

- Quarterly dividend of C$0.025 per share paid in April; CDN$0.10 for 2018.
Safety, Health, Environment and Community Relations

Safety
• All leading and lagging indicators trending favourably, LTIFR of 0.06 and 2.9 million hours since last LTI

Health
• Employee wellness now being tracked; focused on building awareness

Environment
• In compliance with all legal statutes; no major incidents to report

Community Relations Key Focus Areas
Karowe Village Initiative (KVI)
• To be piloted in three villages: Khwee - (horticulture) & Mmadikola - Trust (Hardware store that was previously funded under KEEF)

Community Centre (Budget US$ 2.6 million Total)
• Cooperative Multipurpose indoor centre to host sporting competitions, cultural events and meetings
• Designed for staged build starting 2019
Karowe Resource continues to deliver..

Karowe Quarterly Specials Count
(single stones +10.8 carats)

Karowe Cumulative Weight % Specials
(single diamonds +10.8 carats)
Diamond Market

- 2018 began with a sense of cautious optimism, bolstered by a reasonably strong US holiday season and healthy demand from China
- Positive outcome at the Hong Kong diamond and jewelry show in February 2018
- Markets appear stable, manufacturers achieving better margins
- Diamond producers association (DPA) announced increase to marketing budget
- The major banking fraud in India continues to cause uncertainty; Indian state banks will be under greater scrutiny when lending to the diamond industry

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**Polished Diamond Index**
Polished prices dropped sharply post the holiday season in 2017 but have seen some positive movement in the new year

**WWW Rough Diamond Index**
Moderate Increases in Rough Index circa +8% since 10/17
Lucara Diamond Sales

Q1 Sales

- 63,317 carats sold for proceeds of $25.4 million at an average price of $401 per carat, 4 single diamonds > $1 million/each
- 113 companies attended the tender with 93 placing a bid
- 43 companies won, one or more parcels

2018 Forecast

- Forecast sales remain in line with guidance ($170-$200m)
- Carats forecast to be sold is in line with budget (guidance 270-290k)
- Average $/carat sold is forecast at budget between $630/carat and $690/carat
Sales Strategy 2018
Exceptional Stone Tenders (ESTs) vs Regular Stone Tenders (RSTs)
Karowe Diamond Production

- Coarse size frequency distribution (SFD) that includes the regular recovery of diamonds greater than 10.8 carats in size, referred to as “specials”
- Specials from Karowe are consistently high value and gem quality
- South Lobe production rates of 270,000 to 290,000 carats per annum consistently achieve average diamond values of between **US$625 to US$680 per carat**, not including very large, rare, high quality gem diamonds like the historic 1109 carat Lesedi La Rona and the 813 carat Constellation.
Diamond Sales Tender

- Historically, Lucara has held both Regular Stone Tenders (RSTs) and Exceptional Stone Tenders (ESTs) with:
  - RSTs representing most of Lucara’s run of mine production, held around 4 times per annum
  - ESTs for rare diamonds, selected on a range of criteria including weight, quality, color, and, often achieving sales prices in excess of USD$ 1 million per diamond and held 1-2 times per annum
  - Lucara’s next diamond sale will include both an RST and an EST scheduled for June 2018
2018 Lucara Diamond Sales

$/CT CONTRIBUTION TO OVERALL AVERAGE PRICE *
REGULAR/EXCEPTIONAL TENDERS

REGULAR $/CT
EXCEPTIONAL $/CT

$644 $593 $647 $649

$411

$254 $165 $315 $329 $247 $332 $261 $251 $397 $434 $210 $434 $401


Steady state production from mostly south lobe

*Excluding Constellation and Lesedi La Rona, ** Q1/18 Regular Tender
• Lucara intends to move towards a blended tender process, whereby a greater number of exceptional stones will be sold as part of RSTs.

• A blended tender process decreases the inventory time for large, high value diamonds and will generate a smoother, more predictable revenue profile, that better supports price guidance on a per sale basis.

• Lucara will also be selling part of its future diamond production through Clara, its proprietary digital sales platform, following commercialization later in 2018.
## Q1 2018 Karowe Operations

<table>
<thead>
<tr>
<th>Production</th>
<th>Q1 2017</th>
<th>Q1 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ore processed (tonnes)</td>
<td>598,934</td>
<td>599,407</td>
</tr>
<tr>
<td>Ore mined (tonnes)</td>
<td>131,380</td>
<td>630,242</td>
</tr>
<tr>
<td>Carats recovered (carats)</td>
<td>65,241</td>
<td>75,698</td>
</tr>
<tr>
<td>Plant feed grade (cpht)</td>
<td>10.9</td>
<td>12.6</td>
</tr>
<tr>
<td>Waste mined (tonnes)</td>
<td>587,177</td>
<td>3,991,648</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Revenues &amp; Operating Margins</th>
<th>Q1 2017</th>
<th>Q1 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue ($ millions)</td>
<td>26.1</td>
<td>25.4</td>
</tr>
<tr>
<td>Carats sold</td>
<td>64,444</td>
<td>63,317</td>
</tr>
<tr>
<td>Revenue ($ per carat)</td>
<td>405</td>
<td>401</td>
</tr>
<tr>
<td>Operating margin ($ per carat)</td>
<td>188</td>
<td>170</td>
</tr>
</tbody>
</table>
Q1 2018 Financial Highlights

- **Revenue (millions)**
  - Q1 2017: $26.1
  - Q1 2018: $25.4

- **EBITDA (millions)**
  - Q1 2017: $(1.5)
  - Q1 2018: $(7.0)

- **Net Loss (millions)**
  - Q1 2017: $(0.00)
  - Q1 2018: $(0.02)

- **Total Sales ($ per carat)**
  - Q1 2017: $405
  - Q1 2018: $401

- **US$ per tonne processed**
  - Q1 2017: $19.86
  - Q1 2018: $43.04

- **Earnings (Loss) per share**
  - Q1 2017: $(0.00)
  - Q1 2018: $(0.02)
Growth Strategy 2018
Karowe Underground and Clara
Potential 10 year extension of mine life to 2036

- PEA presents a stand-alone scenario, does not incorporate the economics of the current Karowe operations except tax implications on CAPEX
- PEA evaluates the development of a Sub-Level Caving ("SLC") operation
- Processing of kimberlite at the existing processing plant
- PEA is preliminary in nature and includes the use of the Inferred Mineral Resource

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPV₅ (USD)</td>
<td>~ $451 million</td>
</tr>
<tr>
<td>NPV₈ (USD)</td>
<td>~ $318 million</td>
</tr>
<tr>
<td>Undiscounted Free Cash Flow (after tax)</td>
<td>~ $820 million</td>
</tr>
<tr>
<td>Life of Mine</td>
<td>10 years (2026 to 2036)</td>
</tr>
<tr>
<td>IRR</td>
<td>38.9% (UG only)</td>
</tr>
<tr>
<td>Discount Rate</td>
<td>5 &amp; 8%</td>
</tr>
<tr>
<td>Capital Cost (USD)</td>
<td>~ $195 million</td>
</tr>
<tr>
<td>Capital Contingency</td>
<td>25%</td>
</tr>
<tr>
<td>Operating Cost (USD/t)</td>
<td>~ $49.4/t (ave)</td>
</tr>
<tr>
<td>Revenue (USD/t)</td>
<td>~ $112.2/t (ave)</td>
</tr>
<tr>
<td>Diamond Value Escalator</td>
<td>2.5% per annum</td>
</tr>
<tr>
<td>USD : Rand Exchange Rate</td>
<td>R13.00</td>
</tr>
<tr>
<td>Average Tax Rate (during full scale operations)</td>
<td>32.5% (straight ave)</td>
</tr>
<tr>
<td>Net Tax Benefit (OC)</td>
<td>$237 million</td>
</tr>
</tbody>
</table>
Building on Positive PEA

Next Steps Toward PFS and FS

Understanding Risk

• Completion of mineral resource update – Q2 2018
• Initiation of feasibility level geotechnical and hydrogeological studies with accompanying drill programs – Drilling underway
• Mine design, mining options, trade off studies – In progress

Opportunities

• Financial aspects are known: revenues, diamond characteristics, size distribution, strong client base and brand recognition
• Process plant in place, modern, state of the art
• Existing operational site
• Review PEA mine design
• Efficiency improvements may increase potential operational throughputs
• Updates to the geological model, based on the 2016 and 2017 drilling programs, interpret a larger volume of the Eastern magmatic/pyroclastic kimberlite (“EM/PK(S)”) unit at depth than in the original model
• Size frequency and diamond analysis is being conducted to inform the Karowe resource and ongoing underground (UG) studies
• Resource update expected Q2 2018
• Exploration: Prospecting License extensions for two PL’s
• Processing of AK11 LDD samples underway
Why?

• Current supply chain is static, inefficient, and inflexible; uses an entrenched system that hasn’t changed in over 100 years, and is ripe for disruption
• Recent technological advances make disruption possible and inevitable
• Value is being lost across the entire diamond pipeline; producers and manufacturers alike stand to benefit from a new and improved system
How Can This be Improved?

By disrupting the existing diamond value chain, using proprietary analytics together with cloud and blockchain technologies to match diamond demand to supply, ensuring diamond provenance from mine to finger, driving efficiencies and unlocking value for all stakeholders.
How?

Producers
• Galaxy scan all rough diamonds as they are extracted (continuous, real time)
• Diamonds undergo a “basic” assortment for size and color

Manufacturers/Retailers
• Upload polished diamond orders (using Polished Diamond Parameters “PDP”s) and price list for each diamond

Clara Platform (Cloud Based)
• Plans each rough diamond
• Matches the sellers with buyers based on strength of demand from the buyer

$$$
Benefits

Producers

• Maximum selling price achieved for every stone
• Not reliant on tender sale cycles
• Reduces sorting inefficiencies, removes human factor
• Inventory greatly reduced, potentially eliminated
• Opportunity to establish a true “block chain” system to provide chain of custody and assurance on diamond provenance

Manufacturers/Retailers

• Purchase of rough based on polished orders
• Eliminates financial carrying costs of unwanted inventory
• Eliminates manufacturing losses taken on unwanted inventory
• Eliminates secondary market trading losses
• Opportunity to establish a true “block chain” system to provide chain of custody and assurance on diamond provenance
Benefits to Lucara

- Clara is an affordable, potentially high value, near term growth platform, compatible with the Company’s core diamond mining business.

- Supports Lucara’s reputation as an industry-leader in the adoption of new technology. Non-cash transaction with no expected impact on the dividend.

- Higher realized prices for Karowe rough and stable, continuous cashflow that is no longer tied to a fixed sales cycle.

- Diversifies Lucara’s existing business model and creates future growth optionality; commercialization underway, on schedule for roll out Q3.

- Blockchain business solution that will unlock value and ensure diamond provenance, integrity and transparency throughout the value chain.
## 2018 Outlook (all amounts in USD)

<table>
<thead>
<tr>
<th>Category</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diamond revenue ($ million)</td>
<td>170 – 200</td>
</tr>
<tr>
<td>Diamond sales (thousand carats)</td>
<td>270 – 290</td>
</tr>
<tr>
<td>Diamonds recovered (thousand carats)</td>
<td>270 – 290</td>
</tr>
<tr>
<td>Ore tonnes mined (million)</td>
<td>2.5 – 2.8</td>
</tr>
<tr>
<td>Waste tonnes mined (million)</td>
<td>13.0 – 16.0</td>
</tr>
<tr>
<td>Ore tonnes processed (million)</td>
<td>2.4 – 2.7</td>
</tr>
<tr>
<td>Operating cash costs per tonne ore processed (dollars)</td>
<td>38.0 – 42.0</td>
</tr>
<tr>
<td>Sustaining capital expenditure ($ millions)</td>
<td>Up to 11</td>
</tr>
<tr>
<td>Underground development – AK6 Karowe ($ million)</td>
<td>Up to 29</td>
</tr>
<tr>
<td>Exploration expenditures AK11, AK13, AK24 ($ million)</td>
<td>Up to 6</td>
</tr>
<tr>
<td>Clara Commercialization ($ million)</td>
<td>3.0</td>
</tr>
</tbody>
</table>
Lucara is a publicly listed company trading under the symbol “LUC”
- TSX
- NASDAQ Sweden
- BSE (Botswana)

<table>
<thead>
<tr>
<th>Capital Structure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Issued shares</td>
<td>395,719,334</td>
</tr>
<tr>
<td>Fully diluted shares</td>
<td>402,499,474</td>
</tr>
<tr>
<td>Insider Holdings</td>
<td>21% on a fully diluted basis</td>
</tr>
<tr>
<td>Debt</td>
<td>NIL</td>
</tr>
<tr>
<td>Cash on hand</td>
<td>US$ 43.6 million (Q1 2018)</td>
</tr>
<tr>
<td></td>
<td>$50 million Credit Facility (undrawn)</td>
</tr>
</tbody>
</table>
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