Important Notice

This document is confidential and its content may not be copied, reproduced, redistributed, quoted, referred to or otherwise disclosed, in whole or in part, directly or indirectly, to any third party, except with the prior written consent of High Purity Quartz Pty Ltd (“the Company” or “HPQM”).

This document is for informational purposes only, and does not constitute or form part of an offer, solicitation or invitation of any offer, to buy or subscribe for any securities, nor should it or any part of it form the basis of, or be relied in any connection with, any contract or commitment whatsoever.

This document contains interpretations and forward-looking statements that are subject to risk factors associated with the mining industry. You are cautioned not to place reliance on these forward-looking statements, which are based on the current view of the Company on future events.

The Company believes that the expectations reflected in the document are reasonable but may be affected by a variety of variables and changes in underlying assumptions which could cause actual results to differ substantially from the statements made. These include but are not limited to: production fluctuations, commodity price fluctuations, variations to drilling, resource estimates, loss of market, industry competition, environmental risk, physical risks, legislative fiscal and regulatory changes, changes to licences/regimes, economic and financial market conditions, project delay or advancement, approvals and cost estimates.

The Company and its Advisors and their Directors, agents, officers or employees do not make any representation or warranty, express or implied, as to endorsement of, the fairness, accuracy or completeness of any information, statement, representation or forecast contained in this document and they do not accept any liability for any statement made in, or omitted from, this document.

The information contained in this document noted above are subject to change without notice. This document is intended only for the recipients thereof and may not be forwarded or distributed to any other person and may not be copied or reproduced in any manner.
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Summary</td>
<td>3</td>
</tr>
<tr>
<td>Mission and Business Strategy</td>
<td>4</td>
</tr>
<tr>
<td>Project /Process Overview</td>
<td>5</td>
</tr>
<tr>
<td>Products</td>
<td>6</td>
</tr>
<tr>
<td>Products and end market uses</td>
<td>7</td>
</tr>
</tbody>
</table>
Executive Summary

HPQM has plans to become a global supplier of high purity quartz materials to growing high value solar PV and semiconductor industries.

High purity product availability is a critical factor to solar and semiconductor industry growth.

HPQM will become a globally relevant, high purity quartz value-add business.

- Ownership of world class, extremely rare high purity quartz assets is a threshold competitive advantage
- High demand growth products for solar PV and semiconductor industries
- Simple, low risk, low cost, low volume contract mining operation with permits in place
- Low volume, low risk, low capex, low opex beneficiation process
- Early production and revenue start
- Upside to HPQM base case via existing long mine life (40+ years), further expansion and future exploration, acquisition and downstream development.
- Experienced and dedicated Management team in high purity silica production.
Mission and Business Strategy

Mission

- HPQM aims to be in the global top 3 high purity silica sand suppliers to the high value/high growth solar PV and semiconductor industries within 3 years.

- Collaborate to establish a solar PV equipment manufacturing industry in Australia within 4 years.

Strategy

- Differentiate HPQM on the basis of:-
  
  i) its absolute advantage due to its access to high chemical purity raw material

  ii) its significant operating cost advantage

  iii) the world class technical know-how of its Management team.

- Maxmise value from the ownership of extremely rare, high purity quartz deposits through low-risk, low cost beneficiation process.

- Position the HPQM brand as being globally relevant top 3 supplier to strong growth solar PV/semiconductor industries.

- Expose product sales to strong market and price fundamentals to maximise value.

- Capture downstream manufacture growth opportunities via JV in Australia/overseas.

- Communicate HPQM business as a low volume, high value-add industrial process play and not as high volume mining/commodity play.
Project /Process Overview – low risk, low capex, low volume, high value business

**Mining**
- Low volume, contract quarrying
- Fully permitted mine site
- Early stage cashflow

**Beneficiation**
- Low volume process
- Processed product for export or downstream uses in Australia

**Sales and Marketing**
- Products sold to China, Korea, Japan
- JV downstream opportunities
- Planned sales presence overseas

Raw Material is branded as HP1 (99.99% pure). HP1 is the feedstock for the beneficiation process. Iteratively processed to meet speciality glass (HP5), solar grade (HP7) and semiconductor grade (HP9) specifications.

- HP5 is produced in sand form HP5(s) and powder form HP5(p)
- Feedstock for HP7 production

**HP5 (high value)**
- HP5 sand is sold to high purity solar crucible and quartzware manufacturers.
- Feedstock for HP9 production.

**HP7 (Higher value)**
- HP7 sand is primarily sold as ultra high purity electronic quartzware manufacturers.

**HP9 (highest value)**
- HP9 sand is primarily sold as ultra high purity electronic quartzware manufacturers.
Products and end market uses

Immediate Markets

Future Markets

Required to Produce

Immediate Markets

Future Markets

Required to Produce

**SILICA LUMP QUARTZ**
- HP1/5
- Future Markets

**PURIFIED SILICA SAND AND POWDER**
- SAND 100um – 300um
- POWDER < 100um
- HP5

**SPECIALIST HP1/5 MATERIALS MANUFACTURE**
- (e.g. Manufactured Stones/ceramics)

**SILICON METAL**
- HP9

**SEMICONDUCTOR**
- HP7

**SOLAR CELLS**
- SEMICONDUCTOR CRUCIBLE

**ENERGY EFFICIENT LAMPS**
- QUARTZWARE & SPECIALTY GLASS

**EPOXY MOLDED COMPOUND**

**HIGH SURFACE AREA SILICA FILLER**

**HIGH SURFACE AREA SILICA FILLER**

**EPOXY MOLDED COMPOUND**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**

**High Surface Area Silica Filler**

**Epoxy Molded Compound**

**Energy Efficient Lamps**

**Quartzware & Specialty Glass**
<table>
<thead>
<tr>
<th>Product</th>
<th>HP1/5 (Blend)</th>
<th>HP5 (Powder)</th>
<th>HP5 (Sand)</th>
<th>HP7</th>
<th>HP9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purity</strong></td>
<td>99.9+</td>
<td>99.99%</td>
<td>99.99%</td>
<td>99.997%</td>
<td>99.999%</td>
</tr>
<tr>
<td><strong>Markets</strong></td>
<td>Manufactured stone, wall and flooring ceramics, kitchen bench tops, composite manufacturers, decorative stone, landscaping</td>
<td>High Purity Filler, specialty glass/ceramics, and Epoxy Molding Compounds</td>
<td>Halogen and mercury lamps, further purifying quartz sand for custom production applications such as fused quartz tubing, crucibles and ingots</td>
<td>Mono-crystalline crucibles, high grade multi-crystalline crucibles, high quality fused glass tubing and quartzware</td>
<td>Semiconductor grade crucibles and high end solar and semiconductor applications</td>
</tr>
<tr>
<td><strong>Fundamental Market Driver</strong></td>
<td>HP1/5 Blends – commercial/domestic construction-renovation-landscaping, solar and semiconductor industries (feedstock for Silicon metal production or downstream beneficiation applications)-specialist glassware</td>
<td>HP 5 Powders – Semiconductor/electronics production; functional/industrial fillers for e.g. paint, paper, fragrances, pharmaceuticals industries</td>
<td>Consumer electronics, pharmaceutical packaging, high efficiency lighting.</td>
<td>Solar PV equipment – CAGR 24-30%</td>
<td>Semi-conductor equipment – CAGR 5-15%</td>
</tr>
<tr>
<td><strong>Key Product Features</strong></td>
<td>Low emphasis on purity, Physical appearance important: Stark, high white, high bright product</td>
<td>By-product of higher grade processing</td>
<td>High purity silica sand for fused quartz uses.</td>
<td>Very high purity silica sand beneficiated from HP5 and suitable for solar grade quartz crucibles and quartzware products</td>
<td>Ultra high purity quartz sand beneficiated from HP7 and suitable for semiconductor grade crucibles and quartzware products</td>
</tr>
<tr>
<td><strong>Product Specification</strong></td>
<td>Size: multiple sizes to specification Total impurities &lt;500ppm</td>
<td>Size: powder Total impurities: &lt;100ppm</td>
<td>Size: sand Total impurities: &lt;100ppm</td>
<td>Size: sand Total impurities: &lt;30ppm</td>
<td>Size: sand Total impurities: &lt;10ppm</td>
</tr>
</tbody>
</table>