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This Presentation has been prepared by Silex Systems Limited ABN 69 003 372 067 (**Silex** or **Company**) (ASX: SLX) (OTCQX: SILXY) and is dated 7 August 2025. The information contained in this Presentation is current as at the date of this Presentation or such earlier date as specified in this Presentation.

This Presentation has been prepared in connection with the Company's proposed equity raising (**Offer**) of new fully paid ordinary shares (**New Shares**) in the Company, comprising:

- an offer of up to \$130 million through a placement to eligible sophisticated, professional and institutional investors (Placement); and
- an offer of up to \$15 million through a share purchase plan to eligible shareholders in Australia and New Zealand (SPP),

subject to Silex Board discretion to vary these amounts as detailed in the Presentation.

Neither the Placement and SPP is underwritten.

The offer of New Shares under the SPP will be conducted in accordance with ASIC Corporations (Share and Interest Purchase Plans) Instrument 2019/547 and therefore will not require a prospectus for the purposes of Chapter 6D of the *Corporations Act 2001* (Cth) (**Corporations Act**).

The Offer of the securities under the Placement is limited to persons who are sophisticated investors for the purposes of s708(8) or professional investors for the purposes of s708(11) of the Corporations Act or persons who hold Australian financial services licences and any of their representatives in compliance with s708(10) of the Corporations Act.

Determination of eligibility of investors for the purposes of the Offer is determined by reference to various matters, including applicable legal requirements and the discretion of Silex and the Joint Lead Managers. To the maximum extent permitted by law, each of Silex and the Joint Lead Managers disclaims any liability in respect of the exercise of such discretion or otherwise.

Summary Information

This Presentation contains summary information about Silex and its subsidiaries (**Group**) and their respective activities which are current as at the date of this Presentation. The information in this Presentation is of a general nature and does not purport to be complete, nor does it contain all information which a prospective investor may require in evaluating a possible investment in the Company or that would be required in a prospectus, product disclosure statement or other disclosure document prepared in accordance with the requirements of the Corporations Act.

This Presentation should be read in conjunction with Silex's other periodic and continuous disclosure information lodged with the ASX and OTCQX, which are available at <https://www.asx.com.au/> and <https://www.otcm Markets.com/index.html>.

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Silex reserves the right to withdraw the Placement or the SPP (or both), or to vary the timetable for the Placement or SPP (or both), without notice.

Cooling-off rights do not apply to the acquisition of New Shares.

About Silex Systems Limited (ASX: SLX) (OTCQX: SILXY)

Silex Systems Limited ABN 69 003 372 067 (**Silex** or **Company**) is a technology commercialisation company, the primary asset of which is the SILEX laser enrichment technology (**SILEX technology**), originally developed at the Company's technology facility in Sydney, Australia. The SILEX technology has been under development for uranium enrichment jointly with US-based exclusive licensee, Global Laser Enrichment LLC (**GLE**), for a number of years. Success of the SILEX uranium enrichment technology development program and the proposed Paducah commercial project remain subject to a number of factors, including the satisfactory completion of the TRL-6 pilot demonstration program, nuclear fuel market conditions, industry and government support, project feasibility, and commercial plant licensing, and, therefore, remains subject to associated risks.

Silex also is at various stages of development of additional commercial applications of the SILEX technology, including the production of 'Quantum Silicon' (**Q-Si**) for the emerging technology of silicon-based quantum computing. The Q-Si Project remains dependent on the outcomes of the Project, as well as the successful development of silicon-based quantum computing technology by third parties, and is, therefore, subject to various risks. Silex also is conducting early-stage research activities in its Medical Isotope Separation Technology (**MIST**) Project, which also is subject to various risks and outcomes. The commercial future of the SILEX technology in application to uranium, silicon, medical, and other isotopes therefore is uncertain, and any plans for commercial deployment are speculative.

Equity Raising to Continue GLE Commercialisation Activities



- **Silex represents unique leverage into the nuclear fuel supply chain**, with significant potential value through equity ownership in GLE (currently 51%), in addition to potential perpetual royalty flows from GLE under the SILEX uranium enrichment technology licence
- GLE's **path to market is underpinned by the PLEF UF₆ project** – an 'above-ground uranium mine' – for cost effective production of natural uranium (in the form of UF₆) and the significant value of conversion contained in DOE's legacy depleted UF₆ tails inventories
- The '**Triple Opportunity**' includes potential to produce UF₆, LEU/LEU+, and HALEU at the PLEF, helping to alleviate Western dependence on Russian-sourced nuclear fuel, with GLE aiming to become a key supplier of nuclear fuel to the US nuclear industry
- Silex and GLE stand to benefit from **significant global tailwinds** spurring a 'nuclear renaissance' and strong US Government support
- **TRL-6 enrichment testing progressing** – expected to be completed by end of CY2025, subject to independent assessment by qualified consultant
- As at 31 July 2025, the Company had cash and term deposit holdings of \$69.6m¹ and no corporate debt
- Proceeds from the Offer, together with existing cash (~\$69.6m¹), will be used primarily to support GLE's commercialisation of the SILEX uranium enrichment technology in the US, as well as to pursue Silex's additional isotope production opportunities and strengthen the Company's balance sheet

The equity raising puts GLE and Silex in a position to continue commercialising the SILEX uranium enrichment technology towards commercial deployment by 2030

Use of Proceeds



Proceeds from the Offer, together with existing cash (~\$69.6m¹), will be used primarily to support Silex’s share of funding (51%) in GLE’s commercialisation of the SILEX uranium enrichment technology in the US, as well as other general corporate purposes

Underpins Silex’s share (51%) of funding for GLE’s commercialisation activities – supports the transition from large-scale pilot demonstration of the SILEX technology to preliminary activities for the Paducah Laser Enrichment Facility (PLEF) commercial plant. These may include, but are not limited to, costs such as:

- completion of large-scale technology demonstration program (TRL-6), including an independent engineering contractor’s validation assessment
- full-scale engineering finalisation and demonstration of commercial plant production systems (TRL-7)
- build-out GLE’s in-house classified manufacturing facility and develop a US-based supply chain for balance-of-plant equipment
- full feasibility study costs for the PLEF commercial plant (including undertaking a Final Investment Decision (FID) process)
- preliminary activities in preparation for establishment of the PLEF commercial plant, including completion of the Nuclear Regulatory Commission (NRC) licensing process, early PLEF site works, EPC contractor engagements, and government and community engagement
- undertake assessments of marketing strategies for uranium, conversion, and enrichment services, in conjunction with Cameco (commercial lead for the GLE JV)
- support GLE’s pursuit of, and pro-rata funding contributions for, US Government funding programs, including the Low Enriched Uranium (LEU) Enrichment Acquisition RFP

Sources of Funds	A\$m
Placement proceeds ²	130.0
Share Purchase Plan proceeds ³	15.0
Existing cash and cash equivalents ¹	69.6
Total	214.6

Use of Funds ⁴	A\$m
GLE funding (51% share) of GLE’s commercialisation program	188.2
Other Silex isotope opportunities (Q-Si / medical), working capital and other general corporate purposes, and costs of the Offer	26.4
Total	214.6



1. As at 31 July 2025, including cash and cash equivalents, other financial assets at amortised cost – term deposits, and financial assets at fair value through profit or loss – dual currency term deposits
2. Equity Raising of up to \$130 million through an institutional placement
3. Offered to eligible shareholders and subject to Silex Board discretion to scale back applications and/or increase to a maximum of \$20 million
4. Required funds as estimated internally by Silex, AUD:USD of 0.64

Silex Investment Highlights

Progressing at pace towards commercialising Silex's unique laser enrichment technology

- 1 Unique, innovative third-generation laser-based SILEX¹ uranium enrichment technology** for uranium and nuclear fuel production in the US, classified by the US and Australian Governments
- 2 Leveraged to global nuclear tailwinds**, including: nuclear energy growth and Net-Zero targets; US Government actions to revitalise the US nuclear industry and energy security ambitions
- 3 US-based nuclear fuel JV Global Laser Enrichment (GLE) – Silex (51%) and Cameco (49%)** – with potential technology perpetual licence royalties from GLE to Silex in addition to any equity distributions
- 4 Key large-scale technology demonstration (TRL-6) in CY2025** – de-risking pathway to commercialisation, along with potentially significant US Government funding support to come
- 5 2016 agreement between GLE and US DOE²** – exclusive access to valuable uranium tails inventories – up to 30-years of feedstock for commercial operations – large 'above-ground uranium mine' in the US
- 6 Additional growth opportunities** – enriched silicon for quantum computing and medical isotope enrichment provide additional growth potential for Silex shareholders

Highlights and upcoming catalysts for GLE / Silex

RECENT HIGHLIGHTS

1 TECHNOLOGY DEMONSTRATION

- GLE commenced large-scale demonstration tests for TRL-6 in May 2025
- Test Loop operating routinely as an integrated enrichment system
- Multiple test runs being performed most weeks
- Positive enrichment results and throughputs measured
- Focused on structured test and optimisation plan to improve performance as normal course of TRL-6 activities

2 SITE ACQUISITION

- ~700-acre site acquired for planned PLEF in November 2024

3 LEGISLATION / GOVERNMENT POLICY

- *Prohibiting Russian Uranium Imports Act* passed in May 2024 (no waivers for any imports from 2028)
- Trump executive orders to re-establish US leadership in nuclear energy (May 2025) – including quadrupling US nuclear energy generation

4 GOVERNMENT FUNDING

- GLE one of six awardees selected for US\$3.4bn LEU Enrichment Acquisition RFP¹ (December 2024) – award process underway by DOE
- Initial US\$0.5m awarded under Task Order 1 (TO1) awarded April 2025
- GLE now bidding for up to US\$900m funding for LEU capacity under TO2

EXPECTED UPCOMING CATALYSTS

1 TRL-6 PILOT DEMONSTRATION

- Completion expected by end of CY2025 subject to independent assessment by qualified engineering consultant
- Large-scale TRL-6 demonstration is a key technology de-risking milestone

2 NRC² LICENCE PROGRESS

- Confirmation of acceptance of the full licence application to the US NRC for the PLEF commercial production plant planned for Paducah, KY (submitted in July 2025)

3 GOVERNMENT FUNDING OUTCOMES

- Second half of CY2025: Outcomes expected for DOE nuclear fuel incentive programs:
 - LEU Enrichment Acquisition RFP: Total funding pool US\$3.4bn
 - TO2 released 1 August 2025: GLE to bid for up to US\$900m
 - Innovative Technology Fund: up to US\$24m

4 OTHER COMMERCIALISATION MILESTONES

- Industry and stakeholder engagement
- Continued technology maturation, manufacturing activities

The Paducah Laser Enrichment Facility (PLEF)

GLE's economic potential based on its unique ability to address the 'Triple Opportunity'

PLEF UF₆

**Product: Natural Grade Uranium
(as UF₆)**

GLE's 'above-ground uranium mine' –
with enrichment of DOE depleted tails
inventories to produce natural UF₆
with U²³⁵ assay ~0.7%

Revenue potential

- Production of up to 5 million pounds natural grade uranium (as UF₆) annually for up to 30 years
- Revenue will include value of uranium and conversion
- At today's long-term uranium price of ~US\$80/lb, up to ~US\$400m/yr potential revenues for 5 millions lbs
- Plus 2 million kilograms conversion/yr – at today's long-term conversion price of ~US\$50/kgU, up to ~US\$100m/yr potential revenues

PLEF LEU

**Product: Low Enriched Uranium
(LEU/LEU+)**

for **conventional nuclear power reactors**
LEU includes U²³⁵ assays of 3% to 5%
LEU+ includes U²³⁵ assays of 5% to 10%

Revenue potential

- Potential initial LEU production of 2 million enrichment units (SWU) per year (to process DOE material)
- At today's long-term SWU price of US ~\$170/SWU, potential revenue of up to ~US\$340m/yr
- LEU/LEU+ capacity expandable if market demand grows – potentially up to 6MSWU/yr or more if global use of nuclear energy gathers pace

PLEF HALEU

**Product: High Assay LEU
(HALEU)**

fuel for **next-generation advanced reactors**, including small modular reactors (SMRs)
HALEU includes U²³⁵ assays up to 20%

Revenue potential

- Future HALEU market size and timing difficult to quantify until SMR market evolves
- HALEU is likely to be traded as kilograms HALEU – market price yet to be established, but potentially a high value fuel

