

DATED: NOVEMBER 16 2022

# RockTech

## Lithium

Powering the Battery Age

## Reference Materials

This presentation of Rock Tech Lithium Inc. ("Rock Tech" or the "Company") is dated November 09, 2022 and includes general industry information, market and economic data and projections which were obtained from various publicly available sources and other sources believed by Rock Tech to be accurate and reliable. However, neither Rock Tech nor any underwriter delivering this presentation has independently verified the information or assumptions underlying any of the information, data or projections obtained from third party sources and does not make any representation or warranty as to the accuracy, reliability completeness or reasonableness of such information, data or projections.

## Forward-Looking Statements

This presentation contains statements and information which constitute "forward-looking statements" or "forward-looking information" within the meaning of applicable securities laws (collectively, "forward-looking statements") which are based on Rock Tech's current expectations, estimates and assumptions. This information is provided to assist readers in understanding the Company's future plans and expectations and may not be appropriate for other purposes. Please see "Cautionary Note Concerning Forward Looking Statements" in the Appendix to this presentation for additional information.

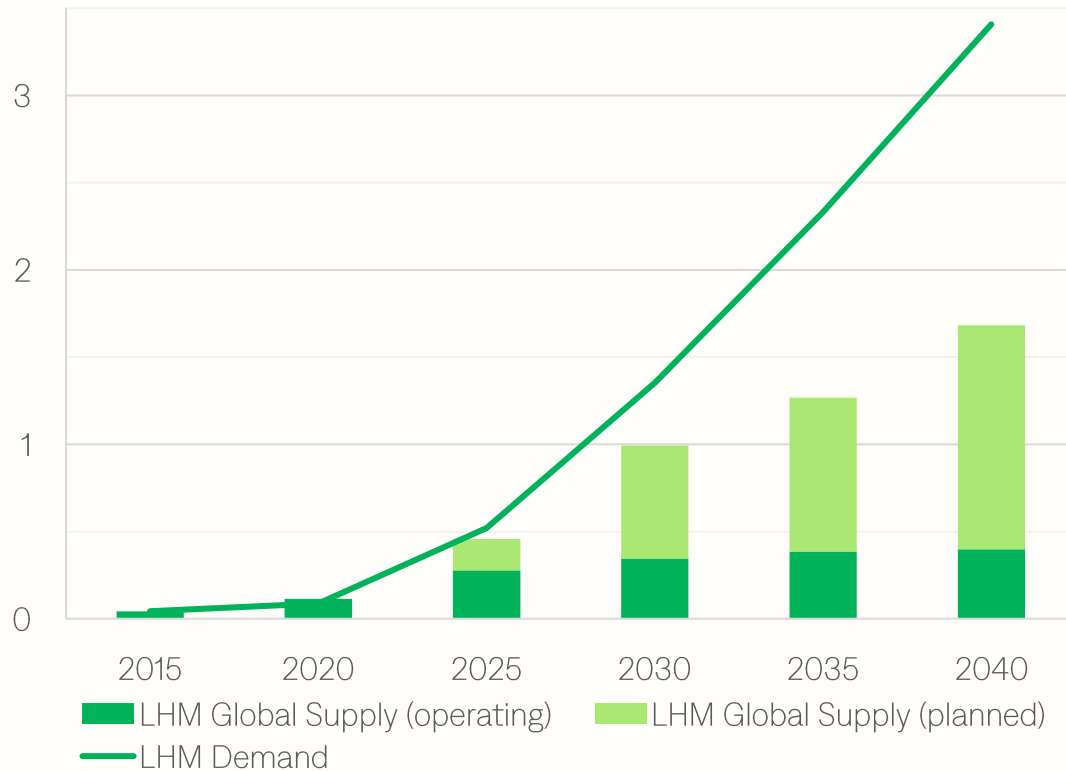
## Scientific and Technical Disclosure

The scientific and technical disclosure included in this presentation regarding the Georgia Lake Project has been reviewed and approved by Robert Macdonald, P.Eng., General Manager of the Georgia Lake Project, a "qualified person" for the purposes of National Instrument 43-101 – Standards of Disclosure of Mineral Projects ("NI 43-101"). Such scientific and technical disclosure was prepared in accordance with the requirements of Canadian securities laws, including NI 43-101, which differ from the requirements of U.S. securities laws. In particular, the terms "Inferred Mineral Resources", "Indicated Mineral Resources", "Measured Mineral Resources" and "Mineral Resources" are Canadian mineral disclosure terms as defined in accordance with NI 43-101 under the guidelines set out in the Canadian Institute of Mining, Metallurgy and Petroleum Definition Standards on Mineral Resources and Reserves ("CIM Standards"). NI 43-101 and the CIM Standards may differ from the requirements and corresponding definitions established by the U.S. Securities Exchange Commission. As such, scientific and technical information contained in this presentation regarding the Georgia Lake Project may not be comparable to similar information disclosed by companies subject to reporting and disclosure requirements under U.S. federal securities laws. Please see "*Scientific and Technical Disclosure*" in the Appendix to this presentation for additional information.

# Situation: Global Lithium demand outpacing supply RockTech

## Lithium Hydroxide (LHM) Supply & Demand Outlook

million tonnes LHM

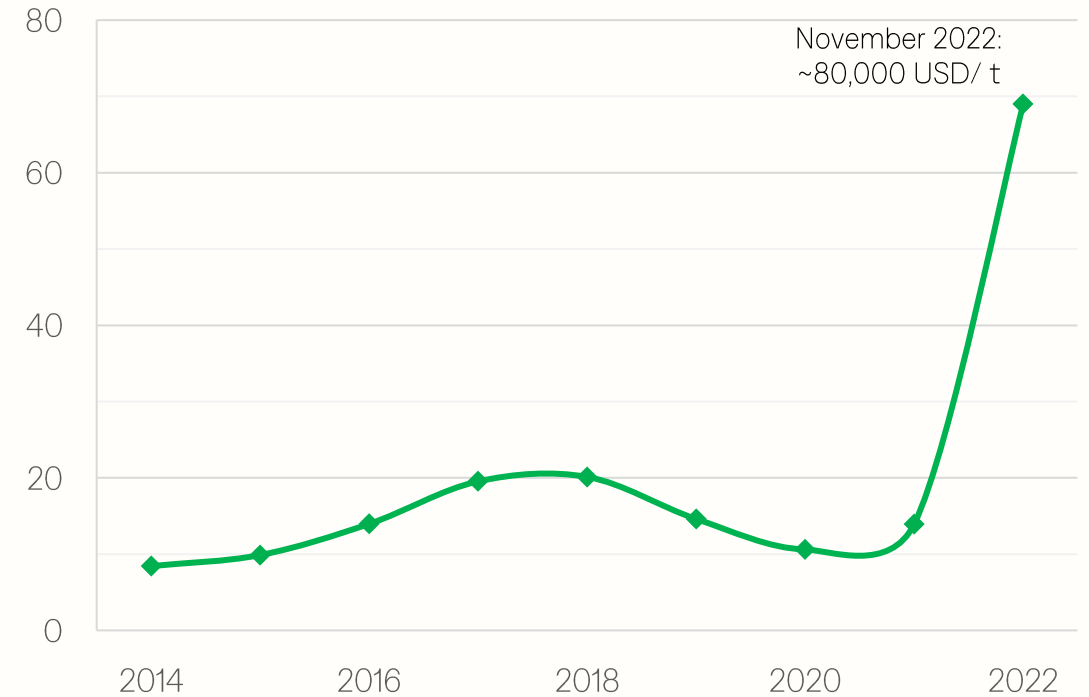


Supply gap for Lithium is expected to increase further in the coming years...

Sources: Benchmark Mineral Intelligence

## Lithium Hydroxide (LHM) Spot Prices

USDk / tonne LHM

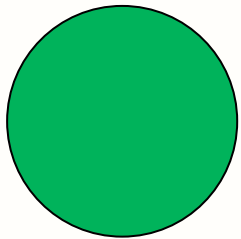


... leading to strong outlook for Lithium prices for the next decade.

# Problem: Missing conversion capacity

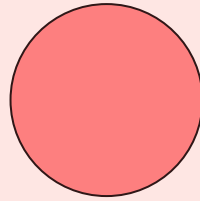
Global conversion capacities are expected to be insufficient to process growing upstream supply and satisfy downstream demand

## RAW MATERIAL PRODUCTION (MINES)



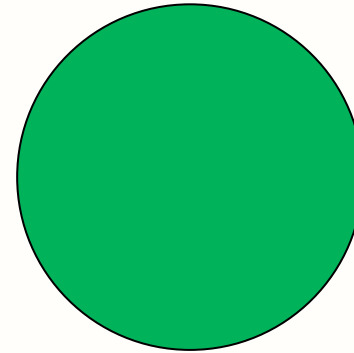
Ca. 1,100 kt

## LiOH PRODUCTION (CONVERTERS)



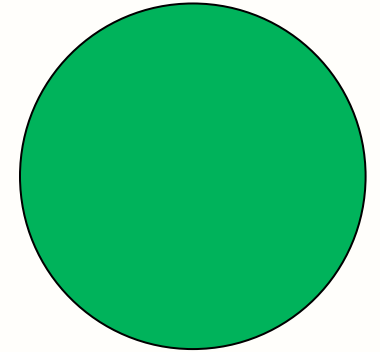
Ca. 1,000 kt

## BATTERY AND CATHODE MANUFACTURING



Ca. 1,400 kt

## AUTOMOTIVE MANUFACTURING



Ca. 1,400 kt



Lithium raw material ex mine is scarce but ramping up.



The decisive bottleneck is missing LHM converters.



Sufficient battery manufacturing capacity is under construction.



Car manufactures' EV ambitions determine and drive global demand.

# Strategy: Bridging Lithium conversion capacity

Aiming to become a leading global producer of sustainable Lithium Hydroxide (LHM) to supply the battery and auto industries



## Constructing up to 5 converters by 2030

Guben Converter Commissioning: Q2 2025.

Scaling up to 5 converters by 2030. Planning 24,000 tpa capacity per converter.

Targeting ~25–30% European market share.



## Securing European supply chains

Providing economic & strategic independence by regionalizing production.

Leveraging Europe's global EV and recycling leadership.

Using regional availability of chemical processing know-how, production reagents and green energy.



## Delivering on sustainability

Aiming for zero-waste production in our converters.

Sourcing raw materials in compliance with highest ESG standards.

Creating a closed-loop Lithium production by using recycled feedstock.

# Leadership with proven track-record

## Management

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Dirk Harbecke (Chairman and CEO) has more than 25 years of experience as an international manager, entrepreneur and investor. He previously worked for the Boston Consulting Group and was co-founder and CEO of ADC (African Development Corporation AG).



Sonja Rossteuscher (CFO) has more than 20 years experience in finance and has held CFO roles for the last 12 years, most recently at Tristone Flowtech Group and previously at ADC (African Development Corporation AG). Mrs. Rossteuscher holds an MBA degree from St. Gallen.



Klaus Schmitz (COO) has more than 30 years experience in the field of Engineering, Procurement and Construction for power generation and industrial plants. He is the former COO of Hitachi Power Europe and served as Executive President Power Division for Bilfinger SE.



Don Stevens (CTO) has extensive experience in process and project development in the extractive metallurgy industry as well as in research and development, process engineering and project management.

## + Team

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- 60 dedicated engineers and chemists in-house (80 additional engineers contracted) with many years of experience in plant & mine construction, engineering and process development
- International operations, finance, strategy and business development teams

## Directors

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### Dirk Harbecke (Chairman)

(for bio see left side)



### Stefan Krause (Vice-Chairman)

is the former Chief Financial Officer of BMW and Deutsche Bank. He has extensive experience in the automotive industry, especially in the e-mobility sector.



Esther Bahne (Director) has more than 16 years of experience in the automotive industry. She served in several strategic roles at BMW, as CMO at MINI and set up the corporate sustainability strategy at Audi.



Dr. Jutta Dönges (Director) has held senior positions at Goldman Sachs, and as Executive Director of the German Finance Agency. She serves as a board member to Commerzbank AG and TUI AG.



Michelle Gahagan (Director) is an experienced public company board director, lawyer and entrepreneur with significant international experience.



Dr. Peter Kausch (Director) has a PhD and a MSc in mining engineering, possesses comprehensive experience in the field of natural resources management (exploration to production) and its strategic direction.

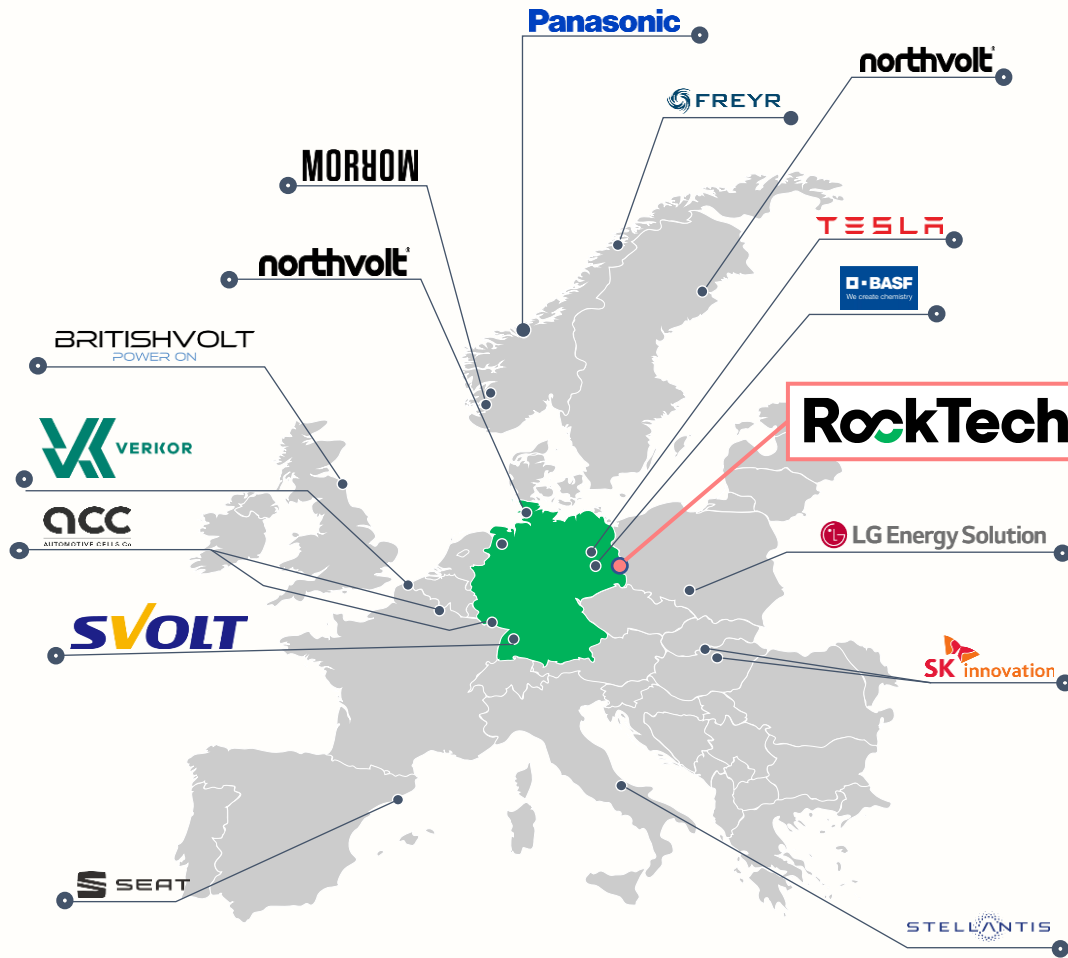


### Klaus Schmitz (Director)

(for bio see left side)

# Germany is an ideal location for our first converter

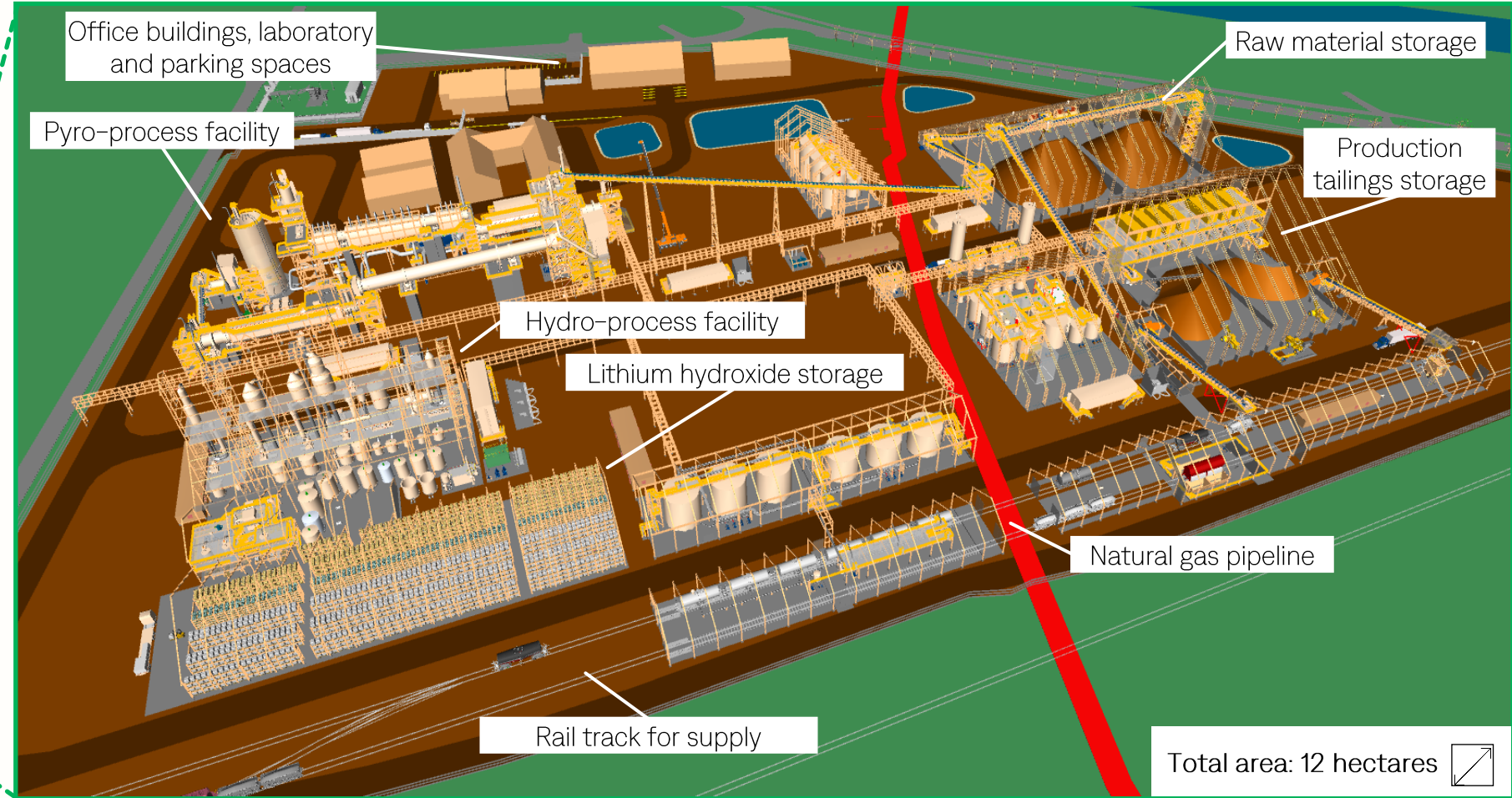
Targeting production of battery-grade LHM at the heart of Europe's battery supply chain beginning in 2024



## Guben Converter (Brandenburg, Germany)

- Start of production targeted for Q1 2026
- Expected to be the first Lithium converter in Europe
- Proximity to potential Tier-1 customers
- Anticipated production capacity of 24,000 tonnes of LHM p.a.
- Annual supply for ~500,000 cars with Lithium-ion batteries
- Early works expected to begin in Q1 2023 and permitting expected to be completed in Q3 2023.
- Critical infrastructure in-place: gas, electricity and rail network
- Supported by federal and state government

# The plant – detailed engineering & design underway **RockTech**



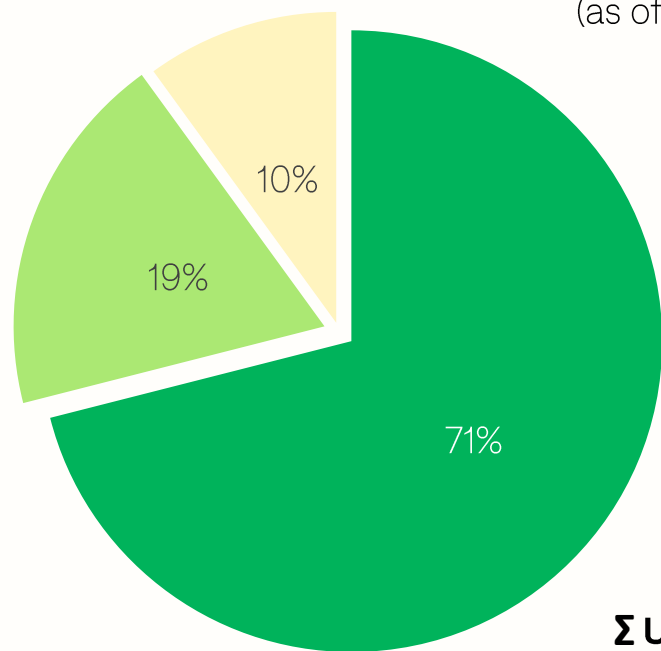


# Lithium converters are a margin business

Profitable and sustainable business case

## Estimated CapEx<sup>(2)</sup>

(as of November '22)



■ Direct Capital Costs
 ■ EPCM & Owner's costs
 ■ Contingencies

## Investment case study examples

	Engineering Study Results <sup>(1)</sup>	BPS Results <sup>(2)</sup>	Current spot price case
Pre-tax IRR	17.0%	23.8%	41.3%
Pre-tax NPV (USDm) <sup>(3)</sup>	430	1,219	4,691
LOP revenue (USDm) <sup>(4)</sup>	7,606	14,872	43,569
Initial CapEx (USDm)	560	683	683
∅ LHM C1 costs (ex SC6, USD/ t)	4,122	4,752	4,752
∅ LHM pricing (USD/ t)	13,276	25,038	77,000
∅ SC6 pricing (USD/ t) <sup>(5)</sup>	573	1,532	5,400

Sources: Benchmark Mineral Intelligence, 2021 engineering study completed by Wave in Q4 2021 (the "Converter Engineering Study") (see "Scientific and Technical Disclosure" in the Appendix to this presentation).

(1) See the Company's press release titled "Rock Tech Lithium Inc. Announces Results from Lithium Hydroxide Converter Engineering Study" dated November 29, 2021 for further details.

(2) See the Company's press release titled "Rock Tech Lithium Inc. completes Bankable Project Study for Guben Converter" dated November 04, 2022 for further details.

(3) Discount rate of 8%

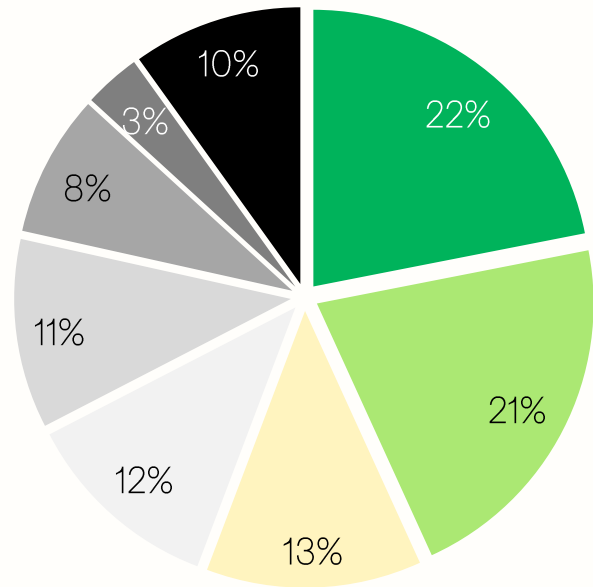
(4) Life of project - based on a 25-year design life.

(5) Spodumene concentrate, with assumed 5.8% Li<sub>2</sub>O content.

# OpEx: Production in Europe is competitive

Transparency and lower anticipated CO2 footprint expected to deliver a competitive product

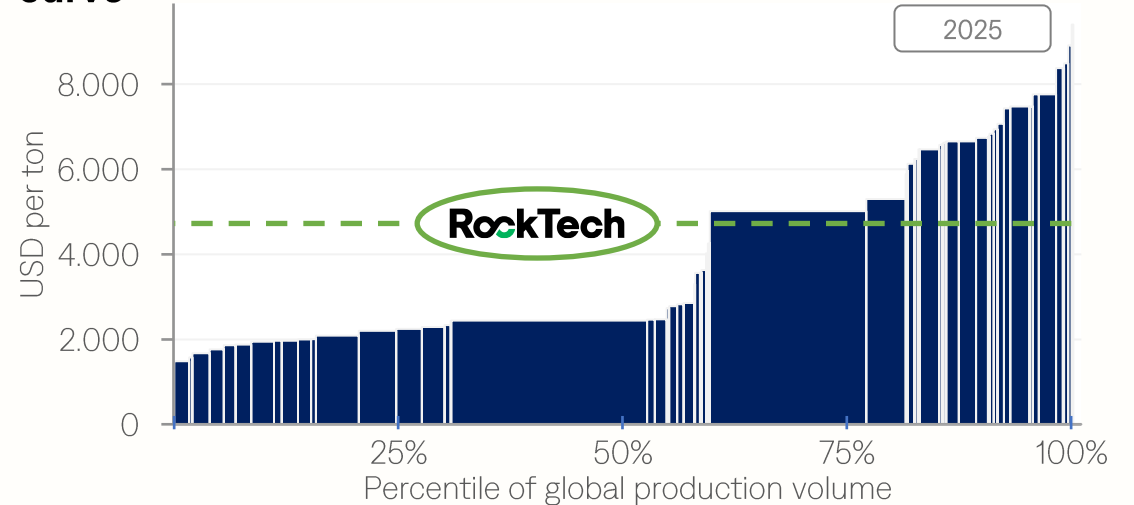
## Comparatively higher European C1 OpEx\*, (1) ...



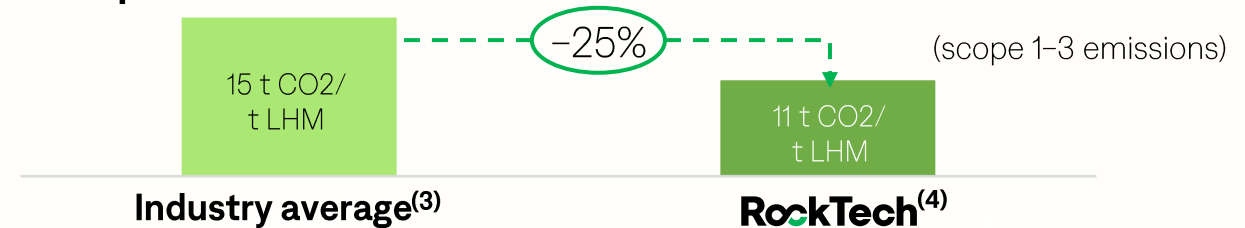
Σ USD 4,752/ t LHM



## 1 ... are expected to position Rock Tech well on the LHM cost curve\* (2)



## 2 ... produce LHM with significantly lower estimated CO2 footprint



\* Lithium raw material costs excluded

Sources: (1) Bankable Project Study; (2) Benchmark Mineral Intelligence, (3) Minviro (2020), (4) RCK internal study

# Project execution with world-class partners

## Process, Technology & Engineering



## Studies & Permitting

- Independent technical engineer (ITE) selected by 3rd party tender
- ITE reviewed Converter Engineering Study and financial model
- RCK received preliminary ITE report in Q1 2022
- Bilfinger leading 3-staged permitting process



## Construction

- EPCM Strategy to build plant
- Ground works expected to commence in Q1 2023
- Mechanical construction expected to be completed in H1 2025



## Independent Institutions

- Ongoing institutional support
- Letters of support by Brandenburg State and Federal Development Bank KfW
- Application for Federal credit guarantee
- Working with EU Commission and EU Battery alliance

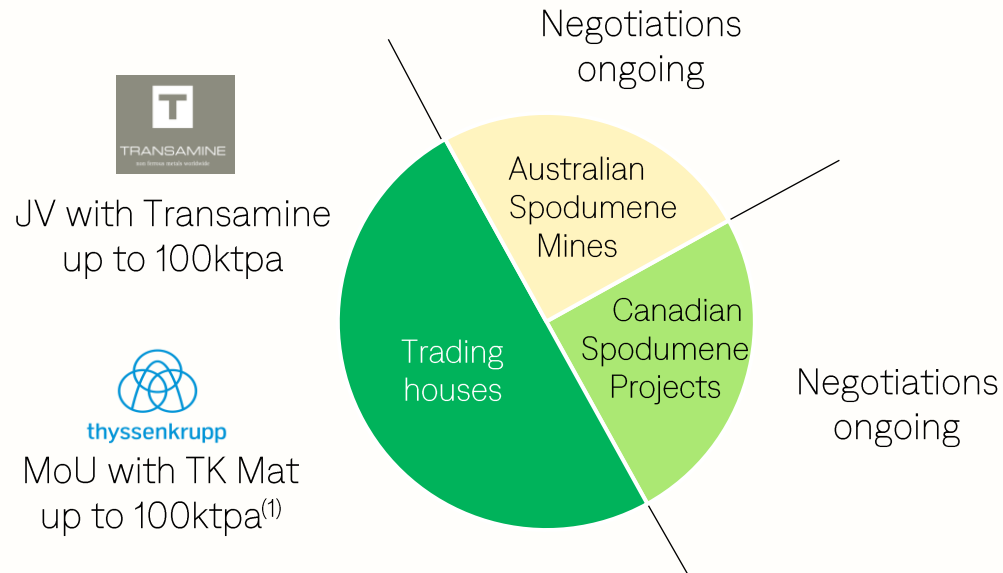


# Supply & offtake agreements being negotiated

Global sales team & network are in place, first binding offtake agreement signed with global OEM

## Feedstock Strategy

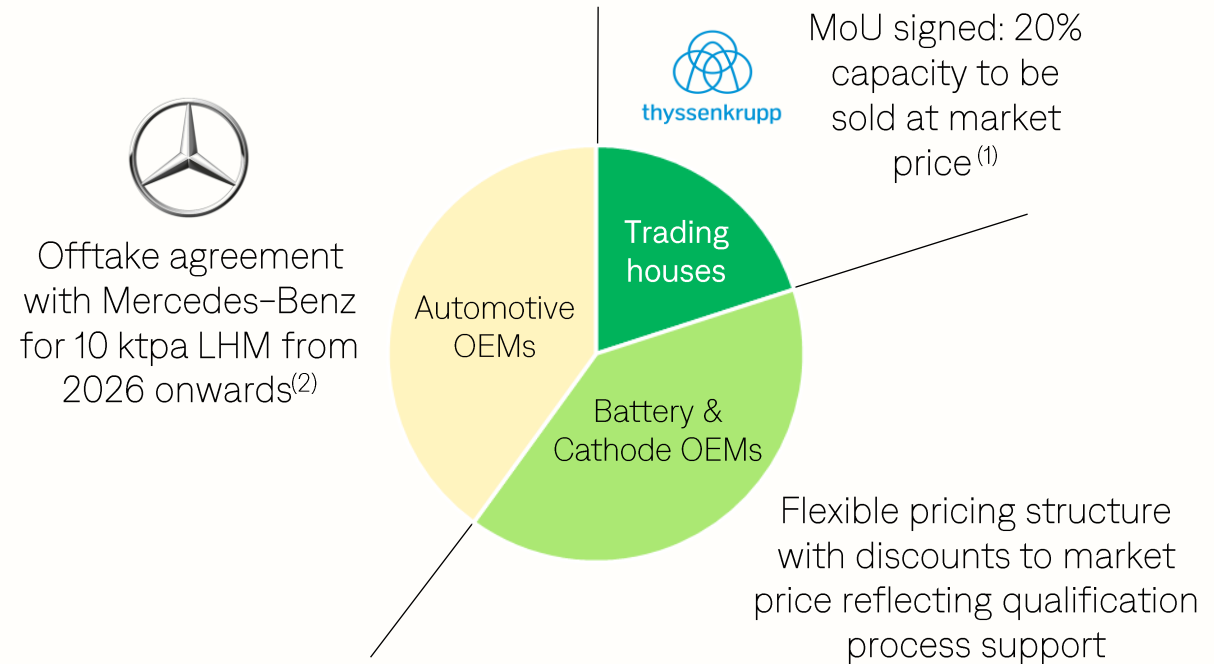
De-risk feedstock supply by using 3<sup>rd</sup> party spodumene concentrate (SC6)



**Σ 174 ktpa SC6**

## Offtake Strategy

Sell to three offtake groups per converter to diversify customer base and sales price model



**Σ 24 ktpa LHM**

Note: The logos used are for illustration purposes only and protected by trademarks.

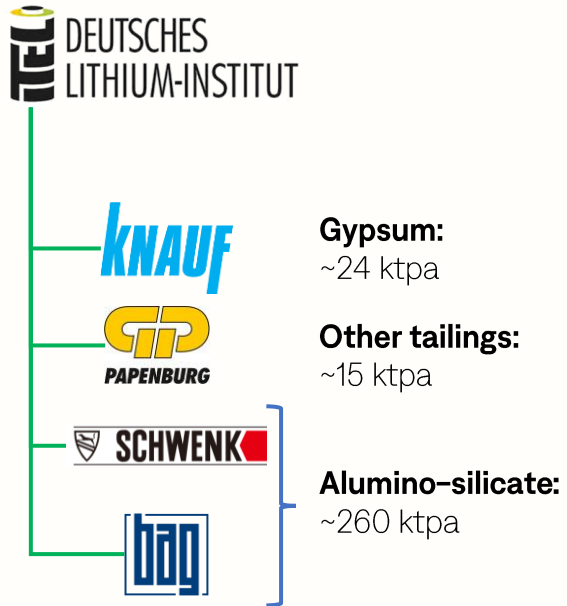
(1) Non-binding MoUs signed in July 2022

(2) Binding framework agreement signed in September 2022.

# Sustainability is at the heart of our strategy

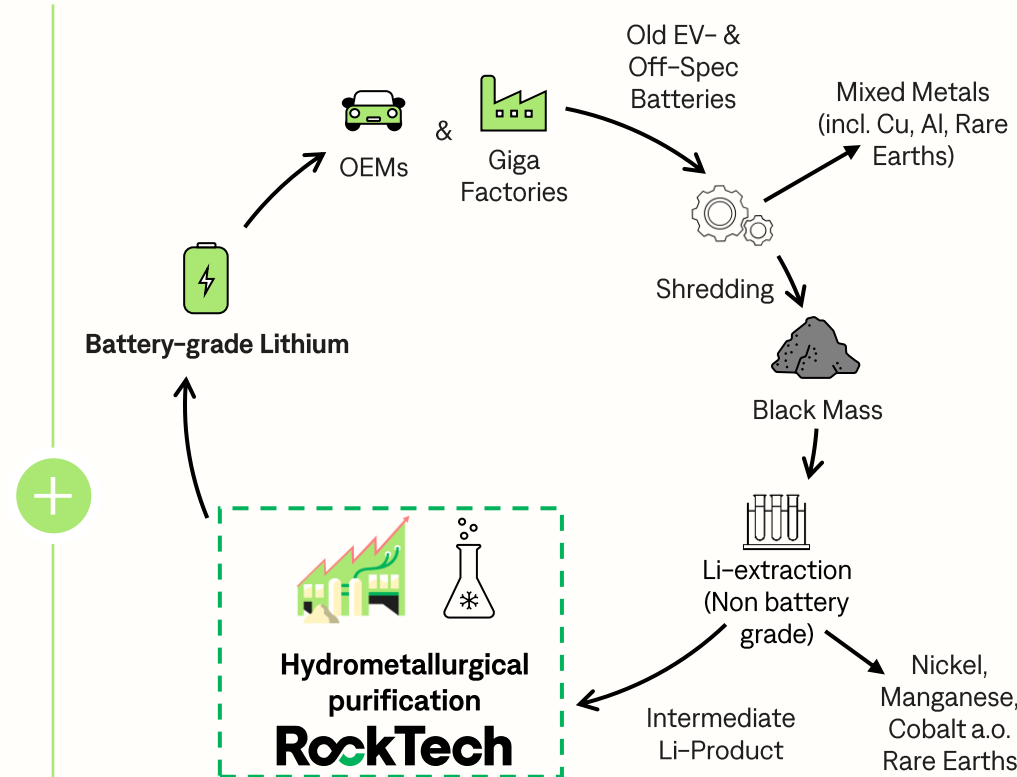
We will hold ourselves to strict ESG standards and have set ambitious sustainability goals

## Reducing waste to zero



We anticipate that industry leaders will purchase our by-products to ultimately achieve zero-waste production.

## Pioneering urban mining



We intend to develop closed-loop Lithium cathode and battery recycling solutions and are targeting 50% recycled feedstock by 2030.

## Ensuring transparency and traceability

Partner for CO2 lifecycle assessment:



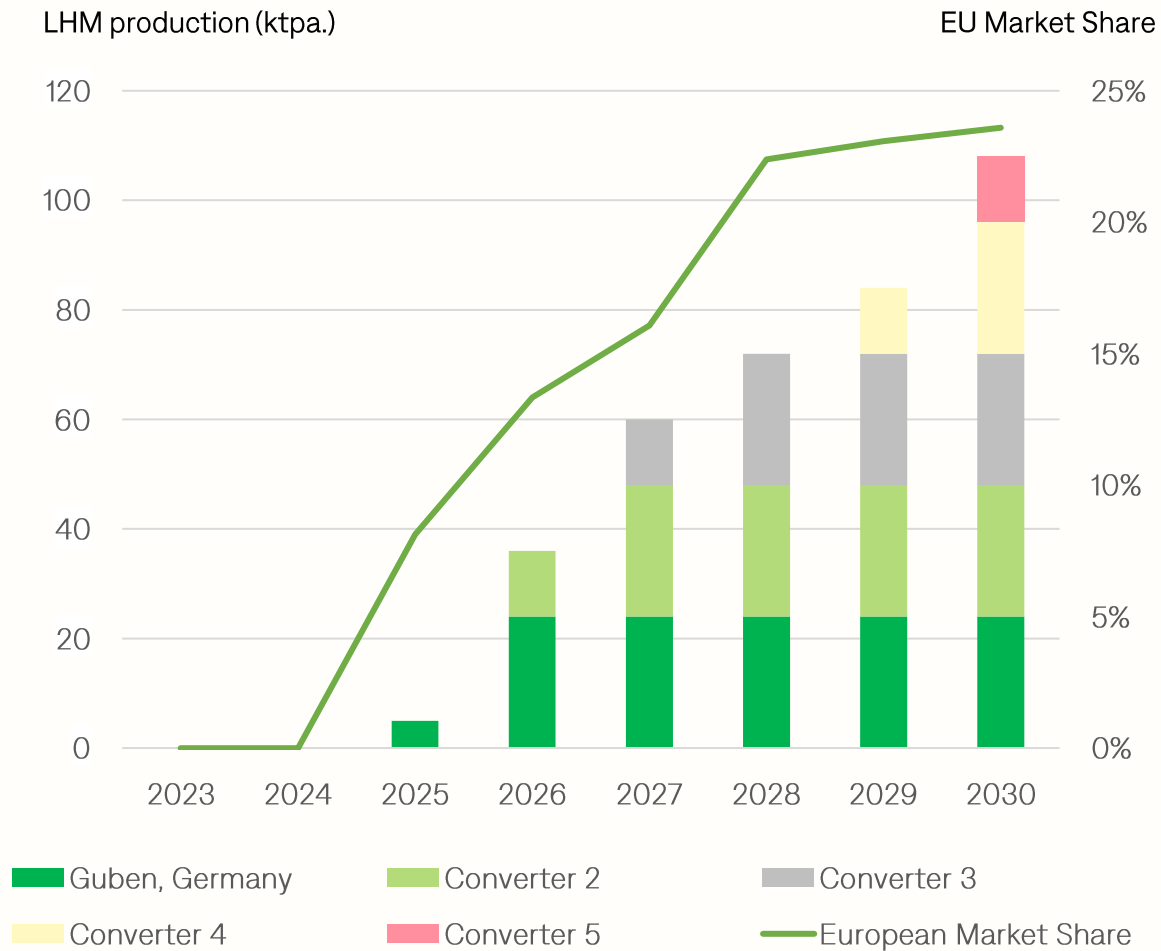
Blockchain-enabled product tracking & tracing via:



We envision a cradle to grave material passport to ensure full supply chain transparency from mine to gate.

# Targeting 5 European converters by 2030

## European Converter Production Roadmap



## Development Plan

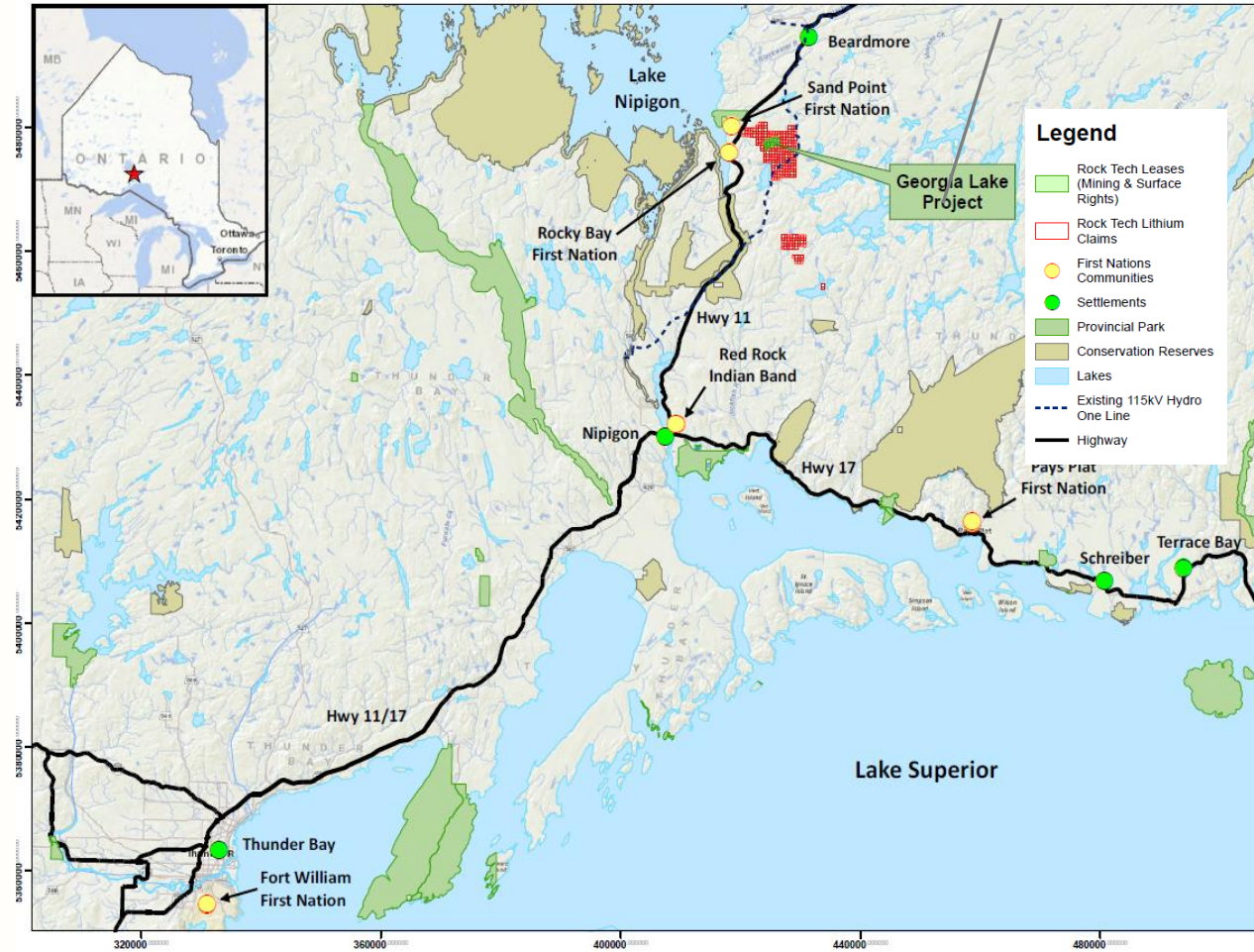
- 1 Guben Converter: Utilizing established technologies**
  - Industry-standard flowsheet to minimize execution risk and target fastest time to market
  - Designed to process spodumene from various sources, including intermediate and recycled Lithium products
- 2 Continued development of processing technology**
  - Converters 3 to 5 targeted to employ patent-pending Nitrate Process with attractive by-products
  - Continued development of zero waste strategy to facilitate additional revenue streams
- 3 Converters 2 to 5: Ready for scale-up**
  - 4 additional converter locations optioned
  - Operating 5 converters by 2030 would allow supplying an estimated ~25-30% of Europe's demand
  - Implementation of developmental processing technology, providing significant processing capabilities & operational flexibility

# We are developing our own Lithium mine

## Georgia Lake Project<sup>(1)</sup>

**Location: Beardmore, Ontario, Canada**

- Located near Thunder Bay, Ontario – 160km NE
- 100% Owned (1.5% NSR) – 1,042 hectares or 277 exploration claims and 41 leases.
- Planned open pit and underground operations with an industry leading ESG profile.
- 1,000,000 tpa concentrator anticipated to be located onsite: Crushing, DMS and flotation plant.
- Next to extensive infrastructure including low carbon power and major highway (HWY 11).
- Fall 2021 and summer 2022 phases of the ongoing drilling program have been completed.
- Drill results support ongoing pre-feasibility study expected to be completed in Q4 2022.
- Start of Construction targeted for H2 2023.



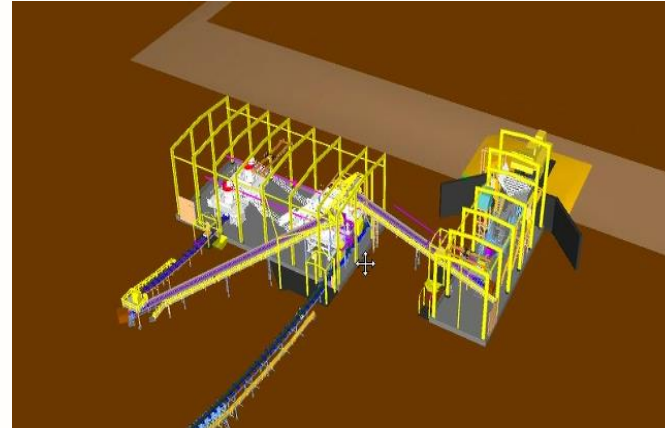
Source: Georgia Lake Technical Report (see "Scientific and Technical Disclosure" in the Appendix to this presentation)

(1) Economics shown only for Georgia Lake Project

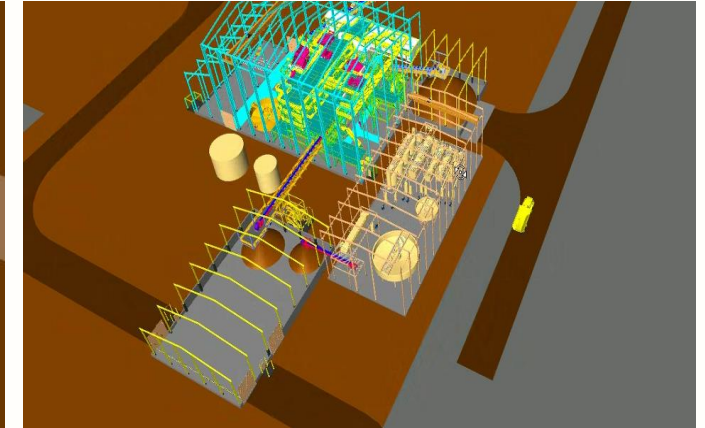
# Georgia Lake: source of high-quality spodumene

## Key Stats<sup>(1)(2)(3)</sup>:

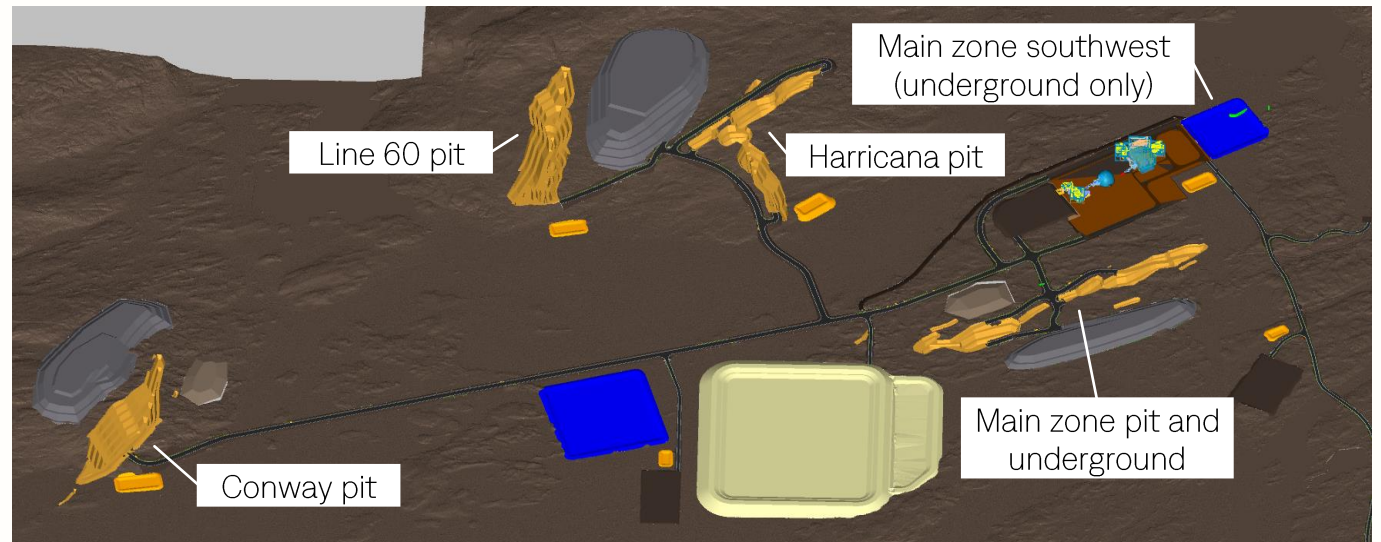
<b>Measured Resources (Grade Li<sub>2</sub>O)</b>	2.31 t (1.04%)
<b>Indicated Resources (Grade Li<sub>2</sub>O)</b>	4.31 t (0.99%)
<b>Measured &amp; Indicated Resources (Grade Li<sub>2</sub>O)</b>	6.62 t (1.01%)
<b>Inferred Resources (Grade Li<sub>2</sub>O)</b>	6.68 t (1.16%)
<b>Average Expected Annual Spodumene Concentrate Production</b>	93,000 tonnes <sup>(4)</sup>
<b>Average Expected Spodumene Production Costs</b>	~ USD 356/ t
<b>Expected Capital Expenditure Required</b>	~ USDm 102
<b>First Year of Expected Production</b>	2024



Crushing Plant



Concentrator



Source: Georgia Lake Technical Report (see "Scientific and Technical Disclosure" in the Appendix to this presentation)

(1) Mineral resources that are not mineral reserves do not have demonstrated economic viability.

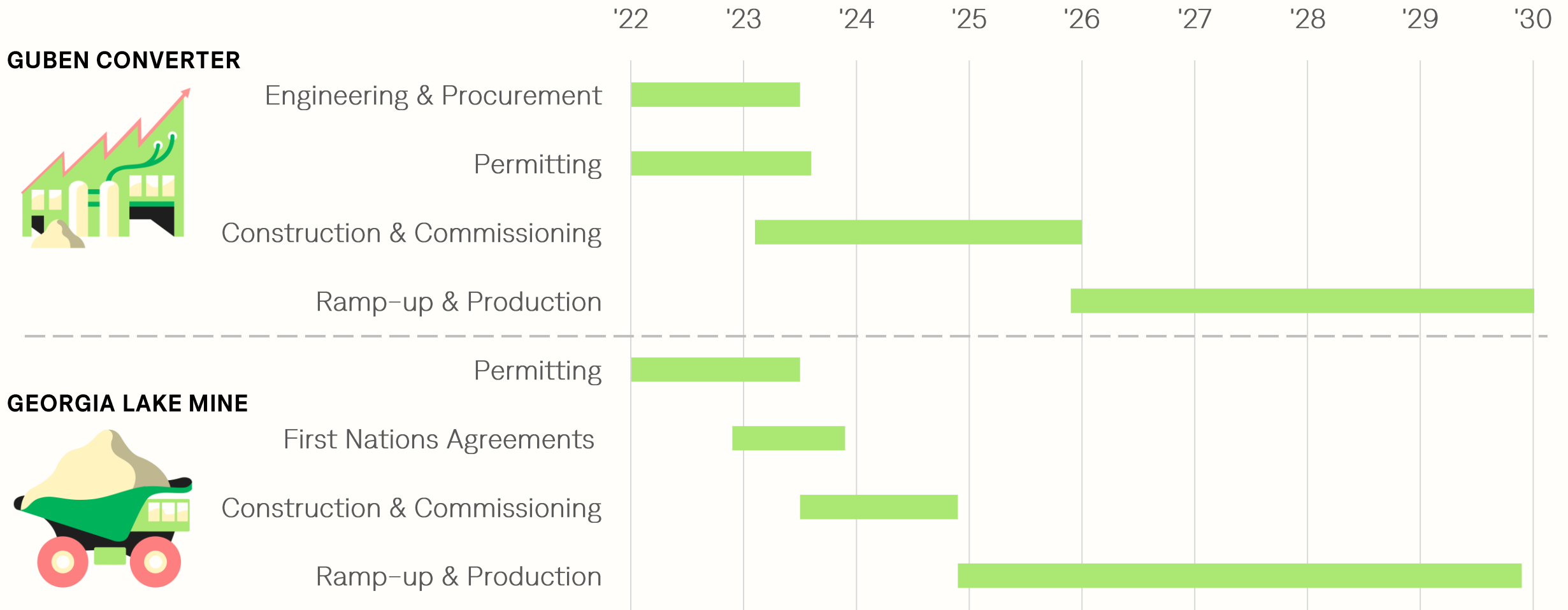
(2) Mineral resource estimates were prepared by Karl Stephan Peters, EurGeol 787, of DMT and Florian Lowicki, MSACNASP, of DMT, each of whom is a "qualified person" for the purposes of NI 43-101.

(3) Cut-off parameters used in mineral resource estimates were USD 730/ t (CAD 949/ t) Li<sub>2</sub>O concentrate price, a recovery of 80%, mining costs of CAD 42/ t, processing costs of CAD 20/ t, G&A costs of CAD 10/ t and other costs of CAD 10/ t, resulting in a cut-off grade of 0.65% Li<sub>2</sub>O.

(4) Sufficient for conversion to approximately 15,000 tonnes of LHM.



# Our path to start of production



# Corporate snapshot

## Rock Tech Lithium Inc.

Exchange / Symbol	TSX-V:RCK; OTCQX: RCKTF; FWB: RJIB
Share price	CAD 3.14
52 Week High / Low	CAD 7.91 / CAD 2.29
Shares Outstanding (undiluted)	73,254,774
Stock Options	5,682,000
Warrants	22,446,050
Shares Outstanding (fully diluted)	101,382,824
Shares held by directors and officers (fully diluted)	~ 11 %
Market Capitalization	CADm 265

TSX-V (RCK)



Source: Bloomberg Market Data (accessed November 09, 2022)



# Appendix



# Cautionary Note Concerning Forward-Looking Information

Certain statements and information set forth in this presentation constitute "forward-looking statements" or "forward-looking information" within the meaning of applicable securities laws (collectively, "forward-looking statements"), which are based on Rock Tech's current expectations, estimates and assumptions in light of its experience and perception of historical trends. All statements other than statements of historical fact may constitute forward-looking statements. Often, forward-looking statements are identified by words such as "believe", "may", "plan", "will", "estimate", "continue", "anticipate", "intend", "expect", "project", "potential", "ongoing", "could", "would", "target" or the negative of these terms or similar expressions, although not all forward-looking statements contain these terms or similar expressions. In particular, forward-looking statements in this presentation include but are not limited to, statements relating to: the Company's vision, strategy and objectives; the offering of Common Shares described herein, including the timing and completion thereof, the intended use of the net proceeds from the Offering and the milestones achieved with such funds; the Company's plans and expectations with respect to the development and construction of the Georgia Lake Project, the Guben Converter and other Converters, including the costs, benefits and timing thereof, the production and processing estimates and processes employed and the quantity and location of future Converters to be brought into production; the Company's profit and market share expectations, outlooks and models; the Company's strategy and the development and expected timing of its development opportunities and projects (including the Georgia Lake Project, the Guben Converter and internal processing technology); the Company's expectations regarding the future increase in the supply gap for lithium and the associated impact on lithium prices; plans and expectations for the Company's development and exploration opportunities, projects and future operations, including anticipated capital expenditures, operating costs and economic returns, as well as future development and operating activities, schedules, regulatory and environmental applications and approvals, and the results thereof; expectations regarding the source and strategy in relation to securing feedstock in relation to future Converter operations; the feasibility, potential applications and benefits of investments and process development activities undertaken by the Company, including those in relation to recycling of lithium; mineral resources estimates contained in Georgia Lake Technical Report; and the Company's commitment to, and the effectiveness and impact of, ESG and sustainability standards, targets and policies.

The forward-looking statements in this presentation also include financial outlooks and other forward-looking metrics relating to Rock Tech, the Georgia Lake Project, the Guben Converter and other Converters, including references to: financial and business prospects; future results of operations, performance and cash flows (including anticipated IRR and NPV); estimated capital and operating costs; and expected revenue and production figures. Such information, which may be considered financial outlooks within the meaning of applicable Canadian securities laws, has been approved by management of the Company and is based on assumptions which management believes were reasonable on the date such financial outlook was prepared, having regard to the industry, business, financial conditions, plans and prospects of Rock Tech, including the Georgia Lake Technical Report and the Converter Engineering Study. These projections are provided to describe the prospective performance of the Company's development opportunities and projects, and readers are cautioned that such information may not be appropriate for other purposes. Further, such information is highly subjective and should not be relied on as necessarily indicative of future results and actual results may differ significantly from such projections. Financial outlooks constitute forward-looking statements and are subject to the same assumptions, uncertainties, risk factors and qualifications as set forth below.

Forward-looking statements used in this presentation are based on various assumptions, estimates, expectations and opinions of the Company and, in certain cases, third party experts, that are believed by management of Rock Tech to be reasonable at the time. Such factors and assumptions include, among other things: the satisfaction of the conditions to closing of the offering in a timely manner, including receipt of all necessary approvals; that the offering will be completed on terms consistent with management's current expectations; Rock Tech's ability to access additional financing on terms acceptable to the Company; the supply and demand for, deliveries of, and the level and volatility of prices of, feedstock and intermediate and final lithium products; expected growth, performance and business operations; future commodity prices, interest rates, tax rates and exchange rates; prospects and growth opportunities available to the Company; general business and economic conditions; the costs and results of exploration, development and operating activities; Rock Tech's ability to procure supplies and other equipment necessary for its business; and the accuracy and reliability of technical data, forecasts, estimates and studies. While Rock Tech considers these factors and assumptions to be reasonable based on information available as at the date hereof, the Company cannot give any assurance that such factors or assumptions will prove to be correct.

In addition, forward-looking statements involve known and unknown risks, uncertainties and other factors, many of which are beyond Rock Tech's control, that may cause actual events, results, performance and/or achievements to be materially different from that which is expressed or implied by such forward-looking statements. Such risks and uncertainties include, but are not limited to: an inability to satisfy the conditions to closing of the offering on a timely basis, or at all; uncertainty regarding whether market conditions and marketing efforts will result in terms of the offering acceptable to the Company; the Company's ability to access additional funding required to invest in available opportunities and projects and on satisfactory terms; the current and potential adverse impacts of the COVID 19 pandemic and the hostilities involving Russia and Ukraine; risks inherent in the exploration and development of mineral projects and establishing new commercial operations, including unanticipated events and other difficulties related to construction, development and operation of the Georgia Lake Project and/or any of the proposed Converters; hazards associated with mineral production and commercial operations; the risk that Rock Tech will not be able to meet its financial obligations as they fall due; adverse general economic and market conditions, including adverse changes, volatility or prolonged weaknesses, as applicable, in interest rates, exchange rates, commodity prices, supply/ demand trends and overall economic activity and growth levels; the Company's mineral resources estimates may prove inaccurate or the Company may encounter unusual or unexpected geological formations; an inability to retain and attract skilled staff and to enter into off-take agreements to secure feedstock from third party suppliers and to sell intermediate and final lithium products; actions by governmental authorities, including adverse changes in tax laws and treatment, regulatory processes or increased environmental regulation; the cost of compliance with current and future environmental and other laws and regulations; title defects, competition from existing and new competitors, adverse changes in market prices of Rock Tech's securities, Rock Tech's history of losses and lack of experience; impacts of climate change; and other risks and uncertainties described under the heading "Risk Factors" in the Company's most recent MD&A and annual information form.

Readers are cautioned that such factors, assumptions, risks and uncertainties are not exhaustive. Forward-looking statements should not be read as a guarantee of future performance or results. The forward-looking statements contained in this presentation are included for the purpose of providing readers with information to assist them in understanding the Company's future plans and expectations as of the date of this presentation, and may not be appropriate for other purposes. The Company does not undertake to update any forward-looking statements that are included in this presentation, except in accordance with applicable securities laws.

# Scientific and Technical Disclosure

The scientific and technical disclosure included in this presentation regarding the Georgia Lake Project has been derived from and is based on the Georgia Lake Technical Report, which was prepared in accordance with NI 43-101 by the following individuals, each of whom is a "qualified person" for the purposes of NI 43-101: Ryan James Hanrahan, B.Eng (Hons) Mech, GAICD, MIEAust, CPEng, NPER, IntPE (Hon), of Wave International Pty Ltd. ("Wave"); Chris Larder, FAusIMM, of Wave; Karl Stephan Peters, EurGeol 787, of DMT GmbH & Co. KG; Florian Lowicki, MSACNASP, of DMT GmbH & Co. KG; Eugene Puritch, P.Eng., FEC, CET, of P&E Mining Consultants Inc.; D. Grant Feasby, P.Eng., of P&E Mining Consultants Inc.; and Ken Kuchling, P.Eng., of P&E Mining Consultants Inc.

See the Georgia Lake Technical Report and the Company's annual information form dated May 18, 2022, each of which have been filed with applicable Canadian securities regulatory authorities and are available on the Company's SEDAR profile at [www.sedar.com](http://www.sedar.com), for further information regarding the key assumptions, parameters and methods used to estimate the Company's mineral resources, and for further information regarding known legal, political, environmental and other risks that could materially affect the Company's business and the potential development of its mineral resources.

The preliminary economic assessment included in the Georgia Lake Technical Report is preliminary in nature, includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that such preliminary economic assessment will be realized. Mineral resource estimates included in this presentation have an effective date of March 15, 2021

The Converter Engineering Study does not constitute a preliminary economic assessment, preliminary feasibility study or feasibility study within the meaning of NI 43-101, as it relates to a standalone lithium hydroxide converter and does not concern a mineral project of Rock Tech. As a result, disclosure standards prescribed by NI 43-101 are not applicable to the scientific and technical information included in this presentation regarding the results of the Converter Engineering Study. See the Company's press release titled "Rock Tech Lithium Inc. Announces Results from Lithium Hydroxide Converter Engineering Study" dated November 29, 2021 for further details regarding the Converter Engineering Study, including the assumptions, qualifications and procedures used by Wave in the study.

# Contact

Konstantin Burger  
kburger@rocktechlithium.com  
www.rocktechlithium.com

Rock Tech Lithium Inc.  
600 –777 Hornby Street  
Vancouver  
British Columbia V6Z 1S4

