



INVESTOR PRESENTATION

A WORLD-CLASS BROWNFIELD POTASH DEVELOPMENT

IMPORTANT NOTICES

Forward looking statements and Disclaimer



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For full Mineral Resource and Ore Reserve estimate details refer to South Harz ASX release LANDMARK SOLLSTEDT MINE PURCHASE, OHMGEBIRGE PRE-FEASIBILITY STUDY AND MAIDEN ORE RESERVE dated 22 May 2024, and LANDMARK RESOURCE UPGRADE AT OHMGEBIRGE dated 12 July 2022. In accordance with ASX Listing Rule 5.23, the Company is not aware of any new information or data that materially affects the information included in this release, and the Company confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the estimates in these releases continue to apply and have not materially changed.

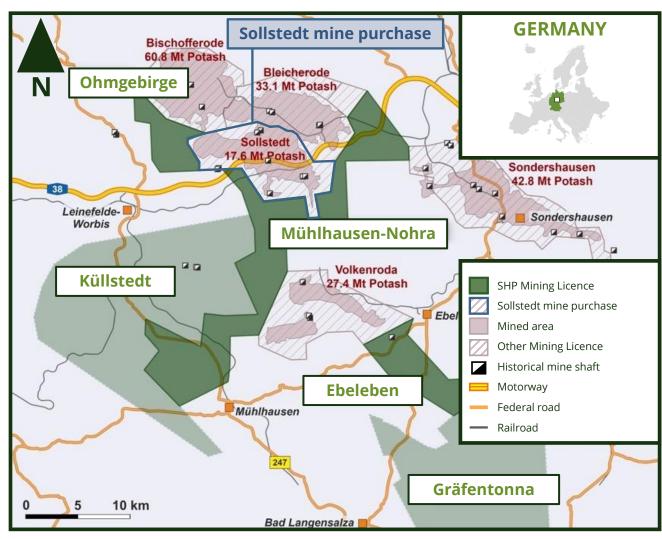
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South Harz Potash is a potash exploration and development company with large-scale resource endowment across five wholly-owned project development areas.

Located in the middle of the central European agricultural market, in the South Harz Potash District of Germany, the company recently signed a transformational purchase agreement for the neighbouring Sollstedt mine and infrastructure, which includes four operating shafts.

This acquisition facilitates large-scale integrated mining, adds scale and project optionality, and enabled the delivery of an initial brownfield Ohmgebirge Potash Development Pre-Feasibility Study.



Quoted numbers in **red** represent mined volumes of potash from neighbouring historical underground mining operations



A HIGHLY COMPELLING NATURAL RESOURCES INVESTMENT OPPORTUNITY



- Vast tenure of 659km² comprising three perpetual potash mining licences
- Brownfield development delivers highly competitive capital intensity
- Low environmental impact, highly-sustainable operations
- Clearing defined permitting pathway, with Stage 1 assessment received
 - Vastly-expandable project strongly underpinned by long term potash demand





CAPITAL STRUCTURE (ASX: SHP)

BOARD OF DIRECTORS

Share price (29 July 2024)	A\$0.012
Shares on issue	827.2M
Options	113.4M
Market capitalisation (undiluted)	A\$9.9M



Len Jubber Executive Chairman



Reinout KoopmansNon-Executive Director



Rory LuffNon-Executive Director

- Mining executive with 30 years of technical, commercial, and corporate experience
- Previously Managing Director & Chief Executive Officer of the ASX-listed uranium development company Bannerman Resources Ltd for 8 years
- Prior roles include Managing Director/Chief Executive of Perilya Ltd, an ASX-listed zinc and lead producer, and Chief Operating Officer of OceanaGold Ltd

- Investment banker at Deutsche Bank, London, with 15 years of experience
- Globally responsible for public equity raising for natural resource companies
- Previous roles include Head of the European Equity Capital Markets team at Jefferies International and management consultant with McKinsey & Co. in Germany and South-East Asia. He has significant business experience in Germany
- Co-Founder of South Harz Potash (formerly Davenport Resources Ltd) in 2015
- Head of Corporate (and Founder) of the specialist Melbourne equities advisory firm BW Equities
- Equity markets specialist with more than 15 years of experience in the financial services industry, focused on primary and secondary issuance and financial markets strategy for natural resource companies

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TRANSFORMATIONAL FUTURE ACQUISITION OF NEIGHBOURING MINE AND INFRASTRUCTURE

OHMGEBIRGE PROJECT REPRESENTS A WORLD-CLASS BROWNFIELD POTASH DEVELOPMENT

FURTHER UPSIDE AND
SYNERGISTIC OPPORTUNITIES
STILL TO BE UNLOCKED

- Multiple existing shafts facilitate underground access and ventilation
- Significantly lowers surface production footprint
- No upfront purchase consideration, with payment subject to project financing and FID
- Non-binding terms agreed, definitive documentation in progress

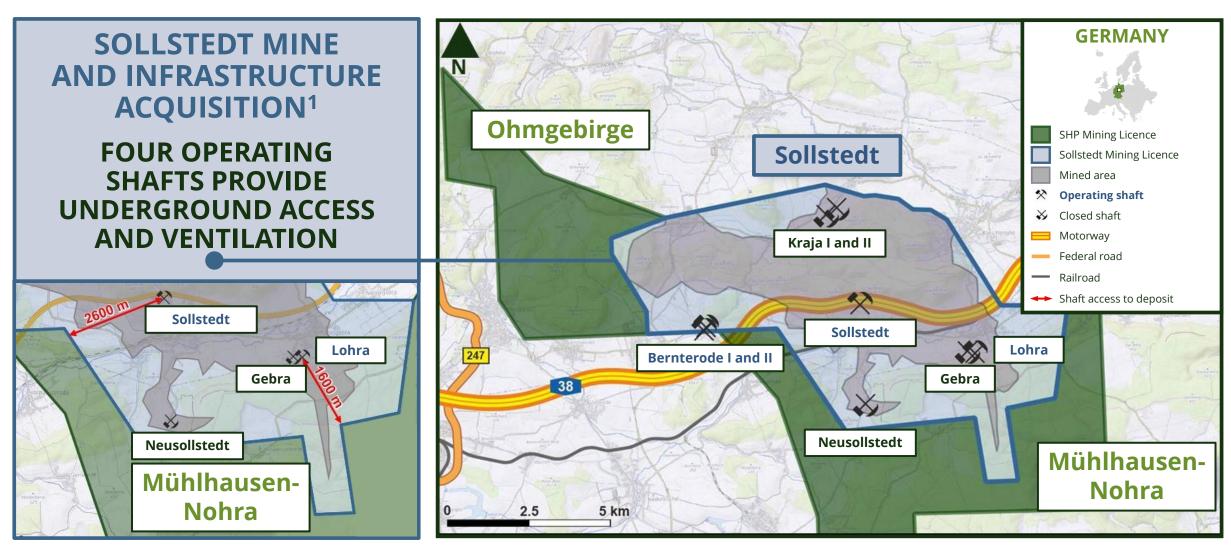
- Proximity to market drives strong netback pricing profile and high operating margins
- Low capital intensity, well below industry average for equivalent scale operations
- Low-risk, low-impact development footprint with highly sustainable operations

- Resources outside Ohmgebirge to enable multi-generational operating life potential
- Sollstedt includes substantial in-situ potash mineralisation (non-JORC)
- Existing shafts on Sollstedt proximate to additional South Harz resources
- Other significant Sollstedt synergy opportunities yet to be evaluated





Existing Sollstedt shaft infrastructure proximal to Ohmgebirge and Mühlhausen-Nohra deposits



^{1.} For full future acquisition details, refer South Harz ASX release dated 22 May 2024, LANDMARK SOLLSTEDT MINE PURCHASE, OHMGEBIRGE PRE-FEASIBILITY STUDY AND MAIDEN ORE RESERVE. South Harz confirms that it is not aware of any new information or data that materially affects the information included in that release. All material assumptions and technical parameters underpinning that release continue to apply and have not materially changed.

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Future acquisition of key assets radically improves potential project scale and overall development opportunity



Shaft infrastructure: Eight existing shafts, with four open for access, hoisting and/or ventilation



Unused mine voids: Providing approx. 2.2 million m³ immediately available for waste backfill



Linked surface land and buildings: Providing connected surface-to-shaft infrastructure



Significant existing (non-JORC compliant) sylvinite and carnallite potash deposits: **Provides future Mineral Resource conversion and mining potential**

ALLOWS UNDERGROUND PLACEMENT OF CRUSHERS/DISSOLVERS AND TAILINGS STORAGE IN EXISTING VOIDS, ELIMINATING NEED FOR SURFACE ORE OR WASTE PILES



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Overlay of mine plan and planned location of underground processing and access drifts





4

Attractive deal terms secured with no upfront consideration



A COMPANY WITH A RICH HISTORY OF UNDERGROUND OPERATIONS IN THURINGIA, GERMANY



KEY NON-BINDING TERMS AGREED

- Cash consideration of EUR 40 million payable on future acquisition and transfer of title in the assets
- Execution of binding sale and purchase agreement subject to:
 - Satisfactory detailed due diligence activities
 - Consents of relevant Government authorities
 - Negotiation of definitive documentation

PAYMENT OF CASH CONSIDERATION
CONDITIONAL ON SOUTH HARZ ACHIEVING FULL
PROJECT FINANCING AND FID FOR THE
OHMGEBIRGE DEVELOPMENT

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Pre-Feasibility Study outlines a world-class brownfield potash development - the first of multiple potential domains

OHMGEBIRGE POTASH DEVELOPMENT HIGHLIGHTS



BROWNFIELD
PATHWAY
DELIVERS CAPITAL
AND TIMING
EFFICIENCIES



OUTSTANDING LOCATION, IDEALLY SITUATED IN THE HEART OF EUROPE





LARGE-SCALE SOUTH HARZ RESOURCES OFFER MULTI-OPERATION OPPORTUNITY



PERPETUAL MINING
LICENCES AND
CLEARLY DEFINED
PERMITTING
PATHWAY



PROJECT
STRONGLY
UNDERPINNED BY
LONG TERM
POTASH DEMAND

KEY PRE-FEASIBILITY STUDY OUTCOMES¹

Initial life-of-mine	Years	19
Average MOP output and sales (60% K ₂ O)	Mtpa MOP	0.93
Cash operating cost (delivered average) – post salt credits	US\$/t MOP	147
Delivered potash price – LOM weighted average (real)	US\$/t MOP	441
Net MOP operating margin	%	67%
NPV _{8%} (pre-tax, real basis, ungeared)	US\$M	1,029
IRR (pre-tax, real basis, ungeared)	%	17.8%
NPV _{8%} (post-tax, real basis, ungeared)	US\$M	602
	US\$M %	602
NPV _{8%} (post-tax, real basis, ungeared)		
NPV _{8%} (post-tax, real basis, ungeared) IRR (post-tax, real basis, ungeared)	%	14.4%

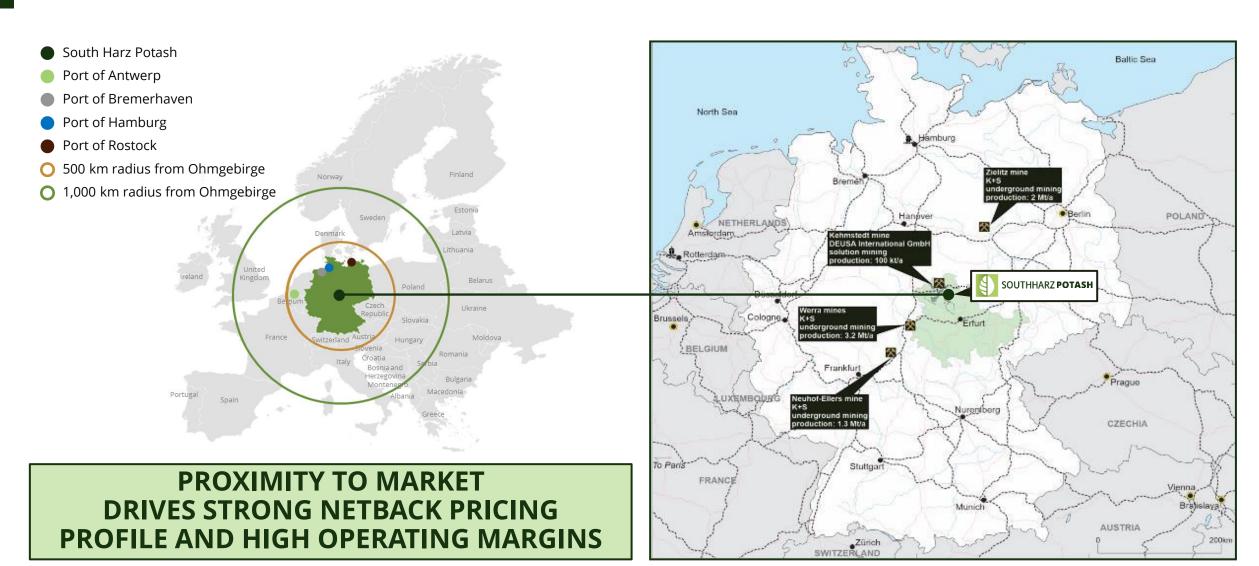
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^{1.} For key Ohmgebirge PFS details, refer South Harz ASX release dated 22 May 2024, LANDMARK SOLLSTEDT MINE PURCHASE, OHMGEBIRGE PRE-FEASIBILITY STUDY AND MAIDEN ORE RESERVE. South Harz confirms that it is not aware of any new information or data that materially affects the information included in that release. All material assumptions and technical parameters underpinning that release continue to apply and have not materially changed.





Outstanding central German location with access to established road, rail and port infrastructure



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Outstanding central German location with access to established road, rail and port infrastructure

OHMGEBIRGE MINERAL RESOURCE ESTIMATE (MARCH 2024) (5% K₂O CUT-OFF)

SEAM	CATEGORISATION	TONNAGE (Mt)	K ₂ O (%)	K ₂ O (Mt)
Sylvinite	Indicated	258	13.2	34
Sylvinite	Inferred	28	12.5	3
Sylvinite ² total		286	13.1	37
Carnallitite	Inferred	91	9.6	9
Carnallitite ³ total		91	9.6	9
Total Ohmgebirge Mineral Resour	ces ¹	377	12.2	46

OHMGEBIRGE ORE RESERVE ESTIMATE (MARCH 2024)

SEAM	CATEGORISATION	TONNAGE (Mt)	K ₂ O (%)	K ₂ O (Mt)
Sylvinite	Probable	83.1	12.6	10.5
Sylvinite ² total		83.1	12.6	10.5
Total Ohmgebirge Ore Reserve ¹		83.1	12.6	10.5

SUBSTANTIAL PROJECT DE-RISKING ACHIEVED WITH ORE RESERVES COMPRISING 92% OF PFS MINE SCHEDULE

^{1.} For full Mineral Resource and Ore Reserve estimate details, refer to South Harz ASX release dated 22 May 2024, LANDMARK SOLLSTEDT MINE PURCHASE, OHMGEBIRGE PRE-FEASIBILITY STUDY AND MAIDEN ORE RESERVE. South Harz confirms that it is not aware of any new information or data that materially affects the Mineral Resource or Ore Reserve estimate information included in that release. All material assumptions and technical parameters underpinning the Mineral Resource estimate in that release continue to apply and have not materially changed.

Sylvinite is the mineral name for potassium chloride (KCl), the most common form of potash.

Carnallite is made up of potassium chloride, magnesium and water and can be extracted using solution mining





Nameplate 1Mtpa MOP and two-decade initial operating life at the initial Ohmgebirge domain

92%

OF MINE SCHEDULE IS **COMPRISED OF DECLARED ORE RESERVES**

4.7 Mtpa

AVERAGE ANNUAL THROUGHPUT - NO STOCKPILING

90.1 Mt

TOTAL ORE PRODUCTION OVER LIFE-OF-MINE

19 YEAR

INITIAL LIFE-OF-MINE

12.5%

AVERAGE DILUTED K₂O GRADE

0.93 Mtpa

AVERAGE MOP PRODUCTION AND SALES

KEY PHYSICAL PARAMETERS

KCl product	Mtpa MOP	0.93	
Ore throughput (average LOM)	Mtpa ROM	4.7	
Total adjusted exploitable ore	Mt	90.1	
Initial life-of-mine	Years	19	
K ₂ O head grade	%	12.5%	
Standard MOP output and sales (+60% K ₂ O, SMOP K60)	% МОР	40%	
Granular MOP output and sales (+60% K ₂ O, GMOP K60)	% МОР	60%	
Industrial salt sales (+99% NaCl)	Mtpa NaCl	0.93	

The PFS mine and process schedule is comprised of 92% Ore Reserves, with Inferred Resource material accounting for 8%. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the mine and process schedule itself will be realised. The mine and process schedule incorporates mining of Inferred Mineral Resources during the final two years of operation. South Harz confirms that the financial viability of the Ohmgebirge Development is not dependent on the inclusion of Inferred Resources in the production schedule.

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US\$M

US\$M

US\$/t

US\$/t

1.152

3.643

165

112

Industry-low capital intensity and +60% net MOP unit margins

US\$1.03 B

PRE-TAX NPV_{8%} (REAL BASIS, UNGEARED) **17.8%**

PRE-TAX IRR (REAL BASIS, UNGEARED)

US\$3.64 B

PRE-TAX PROJECT NET CASHFLOW

US\$1.15 B

PRE-PRODUCTION CAPITAL **EXPENDITURE**

US\$165/t

AISC - MOP NET DELIVERED

US\$441/t

LOM WEIGHTED AVERAGE **DELIVERED POTASH PRICE**

KEY FINANCIAL PROJECTIONS

Pre-production capital expenditure

All-in-sustaining-cost (AISC) - MOP net delivered

All-in-sustaining-cost (AISC) – MOP net FCA Bernterode

Project net cashflow (pre-tax)

Price inputs		
LOM weighted average potash price (delivered)	US\$/t	441
LOM average NaCl price (delivered)	US\$/t	79
EUR/US\$ exchange rate	US\$/EUR	1.05
Combined Municipal, State and Federal tax rates	%	29.65
Key metrics		
NPV _{8%} (pre-tax, real basis, ungeared)	US\$M	1,029
IRR (pre-tax, real basis, ungeared)	%	17.8%
NPV _{8%} (post-tax, real basis, ungeared)	US\$M	602
IRR (post-tax, real basis, ungeared)	%	14.4%
Payback period (pre-tax, from first production)	Years	5.0

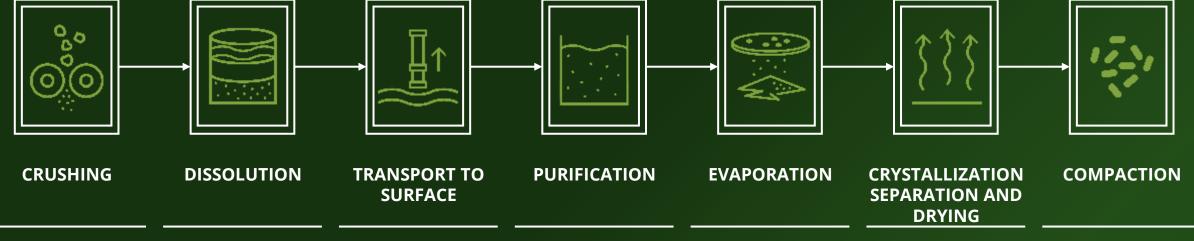
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Simple, well understood process flowsheet





Raw ore crushing to a grain size that facilitates liberation of chloridic potash minerals from the associated minerals for complete

leaching

Leaching of all chloride potash minerals from raw ore while leaving sulphate minerals largely undissolved in residues.

Key process that determines overall efficiency **Leached slurry** pumped to surface

for clarification and further processing

Magnesium and calcium removed

from leached slurry by precipitation using caustic soda and soda ash

A KCl saturated solution plus crystallized NaCl is produced by evaporating water from the purified brine that crystallizes the NaCl leaving a hot, highly concentrated KCI solution

Solid KCl is crystallized out of the hot KCl mother liquor, separated, and dried to produce a standard MOP product for sale

The portion of dried KCl that is destined for sale in granular form is then compacted to produce a granular MOP product for sale



Low-risk, low-impact development footprint with highly sustainable operations



Zero waste piles on surface: no tailing facilities



Zero industrial water discharges: no brine waste



Low surface footprint and no major protected areas impacted

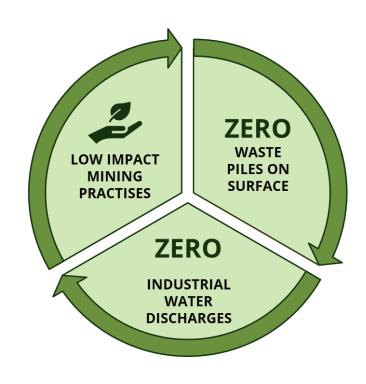


Proximity to rail loadout and market minimises transport logistics and emissions

INDUSTRY STANDARD, CONVENTIONAL **COLD LEACHING** /EVAPORATION-HOT **CRYSTALLISATION PROCESS ROUTE**

MODERN PROCESSING IMPROVEMENTS TO DELIVER **SUSTAINABILITY IMPROVEMENTS VS HISTORIC METHODS**

HIGHLY **SUSTAINABLE OPERATION UTILISING GRID POWER, WITH 60%+ SUPPLIED** FROM RENEWABLE **ENERGY**



BEST-IN-CLASS GERMAN POTASH INDUSTRY CREDENTIALS WITH A **DEMONSTRATED COMMITMENT TO LOW IMPACT MINING PRACTICES**

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Market strategy optimised for seasonal demand patterns and typical intra-year relative price movements

PRODUCT MIX AND SALES DESTINATION STRATEGY



Balances market fluctuation: Regional sales strategy smoothes seasonal and market entrance impacts



Delivers storage capital efficiency: By **prioritising** regular sales to contracted markets

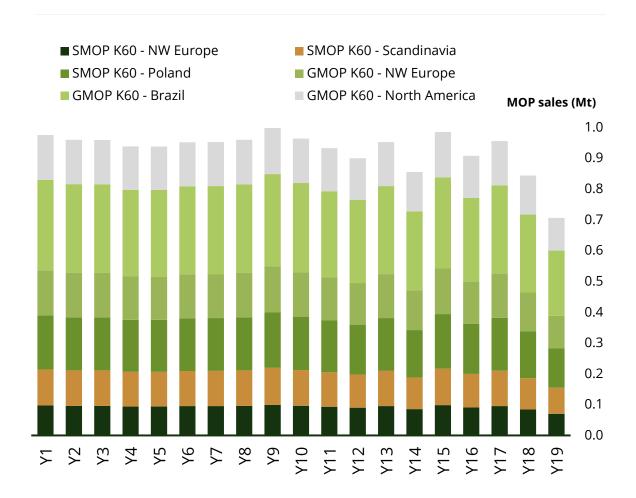


Maximises average product selling price: Capitalises on attractive netback pricing from European proximity



Leverages proximity to key ports: Captures overland logistics advantages in exporting to premium Brazil/U.S. markets

LOM PRODUCT MIX AND REGIONAL SALES STRATEGY



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Transparent, well-administered approval process – Stage 1 assessment achieved





SITE **APPROVAL COMPLETE**

REGIONAL AND SPATIAL PLANNING PROCEDURE

- Determines spatial, social and environmental compatibility at the planned location.
- Assesses and determines feasibility of the project in a broader scope at an early planning stage.



ASSESSMENT RECEIVED JUNE 2024¹



FRAMEWORK OPERATING PLAN APPROVAL

PLANNING AND BUILD APPROVAL PROCEDURE

- Covers all mandatory regulatory processes and permits for general Framework Operating Plan.
- Includes all approvals and permits by the competent authorities to construct a mine and related facilities, except for certain water law permits.





OPERATING APPROVAL + SPECIAL APPROVAL

PARALLEL APPLICATION FOR PLANT AND FACILITIES OPERATIONS + **SPECIAL INSTALLATIONS**

- Includes submission of a Main Operating Plan and a Special Operating Plan.
- If all statutory requirements of the Stage 2 Framework Operating Plan Approval are completed, then Stage 3 and Stage 4 will be granted (i.e. the authority responsible for mining regulation has no discretional power).

Refer South Harz ASX release dated 14 June 2024, SPATIAL PLANNING ASSESSMENT RECEIVED.

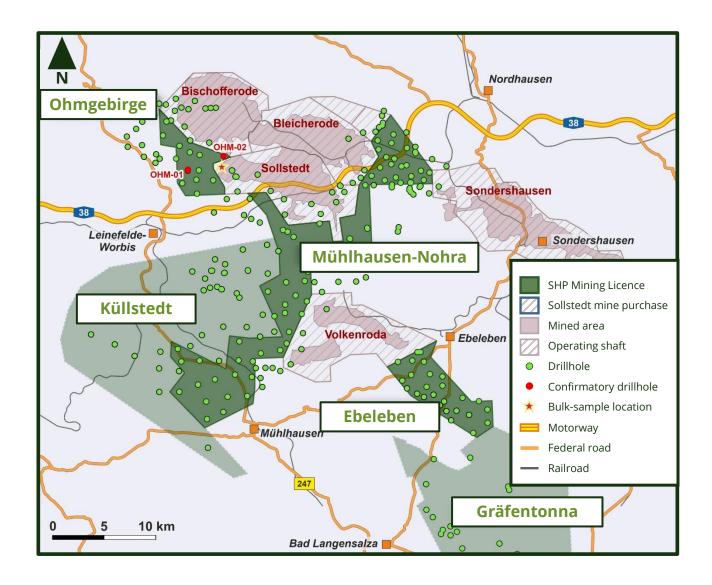


EXTENSIVE FURTHER UPSIDE AND SYNERGY OPPORTUNITIES



Combination of perpetual mining tenure and extensive historical drilling database holds significant latent value

- Ohmgebirge tenement and immediate surrounds contain 41 historical drill holes
- Broader South Harz Project contains 308 historical drill holes within four additional project areas
- This database (and associated geological modelling) was **heavily de-risked** via South Harz's drilling of two confirmatory drillholes into Ohmgebirge
- At approximately A\$5M per new drill hole, there is significant latent value in the existing drillhole database at Ohmgebirge and the broader South Harz Project



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EXTENSIVE FURTHER UPSIDE AND SYNERGY OPPORTUNITIES



World-class Resource scale further unlocked by Sollstedt acquisition for a multi-generational opportunity

FIVE 100%-OWNED SOUTH HARZ PROIECT AREAS + EXISTING SOLLSTEDT MINING AREA

DELIVERS PIPELINE OF FURTHER POTENTIAL MOP **DEVELOPMENTS = MULTI-STAGE OPPORTUNITY**

PERPETUAL MINING LICENSES **ARE A KEY** DIFFERENTIATING **FEATURE OF THE ASSET PROFILE**

LOCAL PARTNERS, **EROCSPLAN** AND K-UTEC, **POSSESS LARGE REGIONAL KNOWLEDGE AND EXPERTISE BASE**

ENSURES MAXIMISATION OF **LONG-TERM OPERATING LIFE AND COST** COMPETITIVENESS

FUTURE OUTPUT GROWTH TO BE TIMED TO MATCH INCREASES **IN MARKET DEMAND**

SOUTH HARZ POTASH MINERAL RESOURCE ESTIMATE (MARCH 2024) (5% K₂O CUT-OFF)

LICENCE AREA	CATEGORISATION	TONNAGE (Mt)	K ₂ O (%)	K ₂ O (Mt)
Ohmgebirge	Indicated	258	13.2	34
Total Indicated		258	13.2	34
Ohmgebirge	Inferred	119	10.3	12
Ebeleben	Inferred	577	12.1	69
Mühlhausen-Nohra-Elende	Inferred	1,698	9.7	165
Mühlhausen-Keula	Inferred	1,130	11.1	125
Küllstedt	Inferred	1,538	10.7	165
Total Inferred		5,062	10.6	536
Total South Harz Project Mineral Resource Estimate		5,320	10.7	570



NEXT STEPS FOR A LEAN, FOCUSED POTASH DEVELOPER

- Complete Sollstedt due diligence, negotiate definitive documentation and execute binding agreement
- Progress Ohmgebirge permitting activities
- Undertake value engineering activities and evaluate synergy opportunities afforded via Sollstedt purchase
- Review broader South Harz development opportunities and forward plan



ADVANCING VIA A LOW-COST INTERNAL OPTIMISATION PHASE
TO MAINTAIN STRONG POSITIONING VERSUS GLOBAL POTASH DEVELOPMENT PEERS ALONGSIDE
EXPECTED STRENGTHENING IN GLOBAL POTASH MARKETS OVER NEXT 12-24 MONTHS

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OHMGEBIRGE PROJECT REPRESENTS A WORLD-CLASS BROWNFIELD **POTASH DEVELOPMENT**





EXTENSIVE FURTHER UPSIDE AND SYNERGISTIC OPPORTUNITIES STILL TO BE UNLOCKED

STRATEGIC CENTRAL GERMAN LOCATION WITH ACCESS TO ESTABLISHED ROAD, RAIL AND **PORT INFRASTRUCTURE**

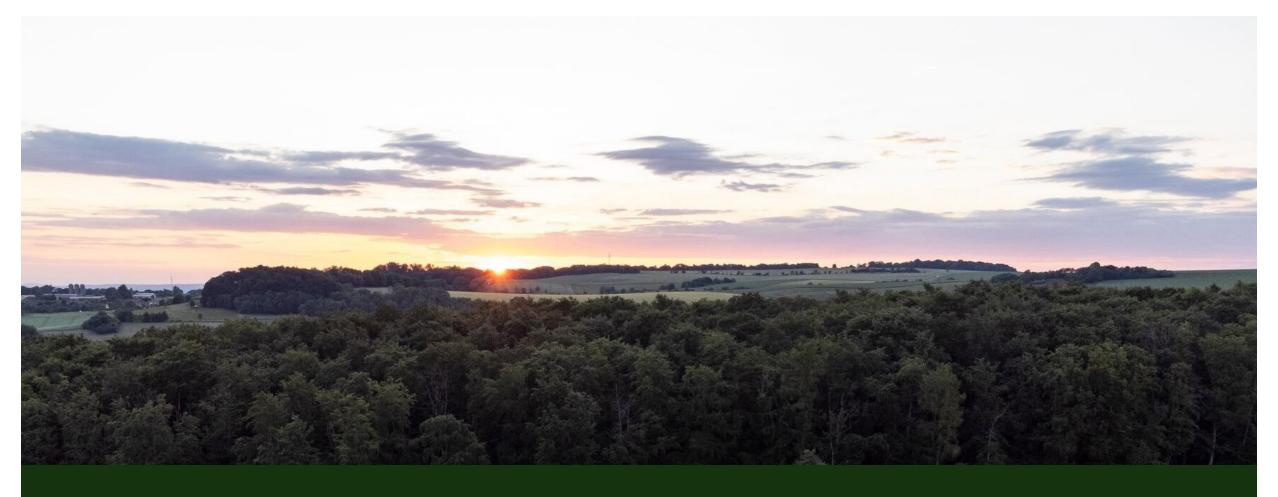
VAST TENURE OF 659KM² COMPRISING THREE PERPETUAL **POTASH MINING LICENCES**

BROWNFIELD DEVELOPMENT DELIVERS COMPETITIVE CAPITAL **EFFICIENCY**

LOW **ENVIRONMENTAL** IMPACT, HIGHLY-**SUSTAINABLE FUTURE OPERATIONS**

CLEARING DEFINED PERMITTING PATHWAY, WITH STAGE 1 **ASSESSMENT ACHIEVED**

VASTLY-EXPANDABLE PROJECT STRONGLY UNDERPINNED BY LONG TERM POTASH DEMAND



EXPLORE THE OHMGEBIRGE DEVELOPMENT, INCLUDING THE RANGE OF POTENTIAL UPSIDE OPPORTUNITIES IN VISUAL DETAIL AT THE LINK BELOW:

https://vrify.com/decks/16044