



**WORLD CLASS
FERTILISER PRODUCTS
FROM WORLD CLASS ASSETS**

Investor presentation October 2015

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Information in the presentation that relates to the Mineral Resource estimate for Dinner Hill is fully described in the ASX release of 11 October 2012. Information relating to the Dinner Hill Extended Exploration Target was released to the ASX on 07 May 2013. Information relating to the phosphate Mineral Resource estimate for Dinner Hill was released to the ASX on 23 September 2013. The Company is not aware of any new information or data that materially affects the information included in this presentation. All material assumptions and technical parameters underpinning the Mineral Resource estimates and Exploration Target in this presentation continue to apply and have not materially changed.

The K-Max Scoping Study referred to in this presentation was fully described in the ASX release of 10 January 2013 and the Phosphate Scoping Study was released on 19 September 2013 and updated 30 September 2015. Both are based on low-level technical and economic assessments, and are insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the Scoping Study will be realised. All material assumptions and technical parameters used in the Scoping Studies, and included in this presentation, continue to apply and have not materially changed. Potash West has concluded that it has a reasonable basis for including the forward looking statements provided in this presentation.

Competent Persons statements

The information in this report that relates to the estimation of Exploration Targets and Mineral Resources is based on and fairly represents information and supporting documentation prepared by J.J.G. Doepel, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Doepel, Principal Geologist of the independent consultancy Continental Resource Management Pty Ltd, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. This report is issued with Mr Doepel’s consent as to the form and context in which the Mineral Resource appears

The information in this report that relates to reporting of Exploration Results based on and fairly represents information and supporting documentation prepared by Lindsay Cahill, who is a member of the Australian Institute of Geoscience. Mr Cahill is a consultant to the mineral industry and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr Cahill consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The metallurgical information in this report is based on and fairly represents information and supporting documentation compiled by Gary Johnson, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Johnson has sufficient experience relevant to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr. Johnson is a Non-executive Director of Potash West and Managing Director of Strategic Metallurgy Pty Ltd. This report is issued with Mr. Johnson’s consent as to the form and context in which the results appear.

Photo’s courtesy of IPI: www.ipipotash.org:
International Potash Institute (IPI) , Horgen, Switzerland



Agenda

- **Company Snapshot**
- **Fertiliser Overview**
- **Dandaragan Trough Project, Western Australia**
- **South Harz Project, Germany**
- **Value Proposition**



CORPORATE SNAPSHOT

ASX CODE	PWN
SHARE PRICE – 30 SEPTEMBER 2015	AU\$0.03
MARKET CAP.	AU\$6M
SHARES ON ISSUE (1)	218 M
12 MONTH RANGE	3c – 7c
TOP 20 SHAREHOLDERS	52%
MGMT AND DIRECTORS	11%

(1) Plus 36M partly paid and 5M options

BOARD

Adrian Griffin – Chairman

- Mine production and corporate management. Founding director of Washington Resources, Ferrum Crescent and Northern Minerals, MD Lithium Australia

Patrick McManus – Managing Director

- Industrial minerals specialist, project development and minerals marketing. Rio Tinto, RGC and Cable Sands. Founding Director and ex MD Corvette Resources

Chew Wai Chuen – Non-executive Director

- Financial advisor for high net worth individuals.

Natalia Streltsova - Non-executive Director

- Process and extraction specialist.

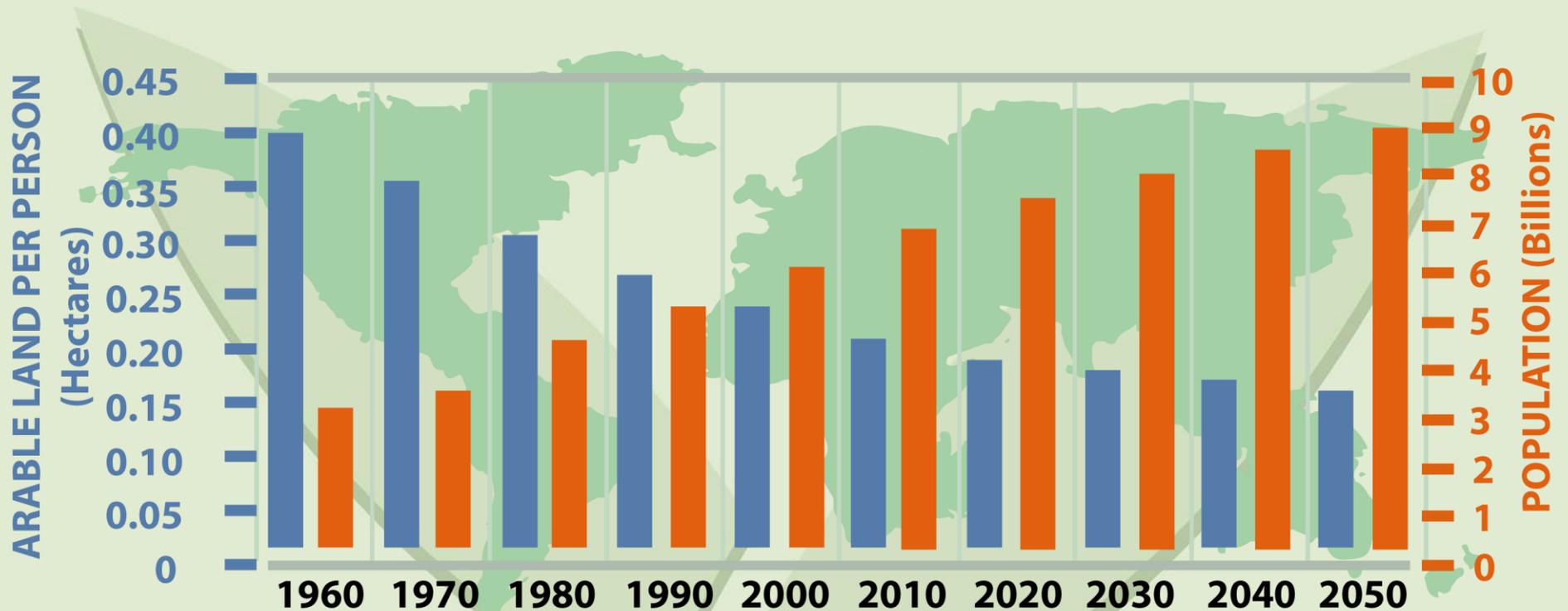


INVESTMENT CASE

- ❑ **Creating opportunities in the global fertiliser industry:**
- ❑ **Exploring one of the world's largest glauconite deposits, 150 km from Perth, close to markets in WA and SE Asia.**
 - ❑ **Low capex, low risk route to cashflow through phosphate production first. Low impact mining. High value potash project**
 - ❑ **Scale large enough to attract JV partners in fertiliser industry**
- ❑ **Exploring a brown-fields potash project in Germany**
 - ❑ **Close to existing producers and end-users, good infrastructure**
 - ❑ **Significant near-term exploration potential**



POPULATION DYNAMICS



“The challenge is clear. With nearly 1 billion people already suffering from hunger and malnutrition in some of the fastest growing areas of the world, the challenge of doubling food production by 2050 will become more difficult as key resources become increasingly scarce and a changing climate creates unforeseen obstacles.

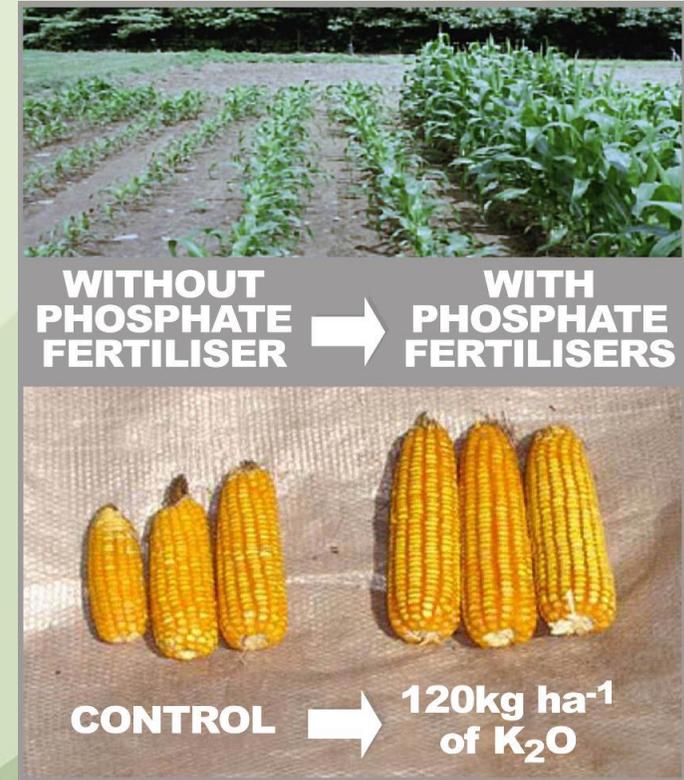
Undoubtedly, the world is going to have to produce more. But it cannot do so at the expense of the land or environment. We must produce more with less.”

(Hugh Grant, Forbes October 2011)



FERTILISER BUSINESS

- ❑ **3 Fertiliser bulk commodities,**
 - ❑ **N, Nitrogen, promotes green growth**
 - ❑ **P, Phosphorous, promotes plants yield potential**
 - ❑ **K, Potassium, enables plants to take up nutrients from soil and air**
- ❑ **3 Minors, Ca, S and Mg**
- ❑ **Most soils deficient in NPK**
- ❑ **Not interchangeable**
 - ❑ **Different crops = different ratios, eg**
 - ❑ **Bananas 3,000 kg of potash per ha. per year**
 - ❑ **Wheat 500kg per ha. per year**

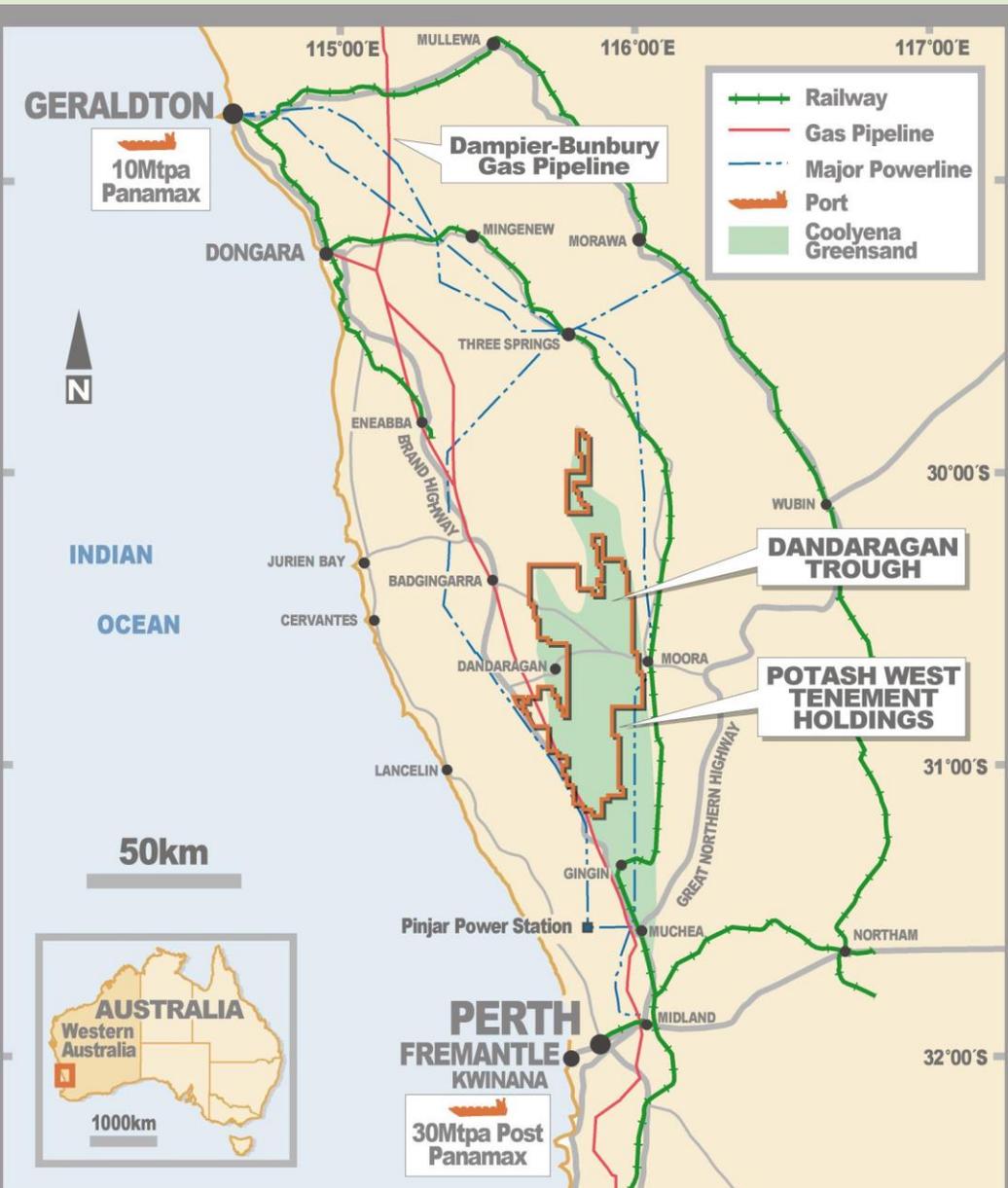


FERTILISER BUSINESS

- ❑ **Forecast value of US\$172B in 2015,**
- ❑ **Fertiliser wholesalers mix products for region, from bulk raw materials:**
 - ❑ **Nitrogen (109 Mtpa, N): from air, gas and coal**
 - ❑ **Urea**
 - ❑ **Ammonia Nitrate**
 - ❑ **Phosphates (41Mtpa, P): mined from rock phosphate deposits**
 - ❑ **Superphosphate**
 - ❑ **Phosphoric Acid**
 - ❑ **MAPs & DAPs**
 - ❑ **Potash (28Mtpa, K, 55Mtpa MOP/SOP)**
 - ❑ **Salt lake brines**
 - ❑ **Ancient buried seabeds**



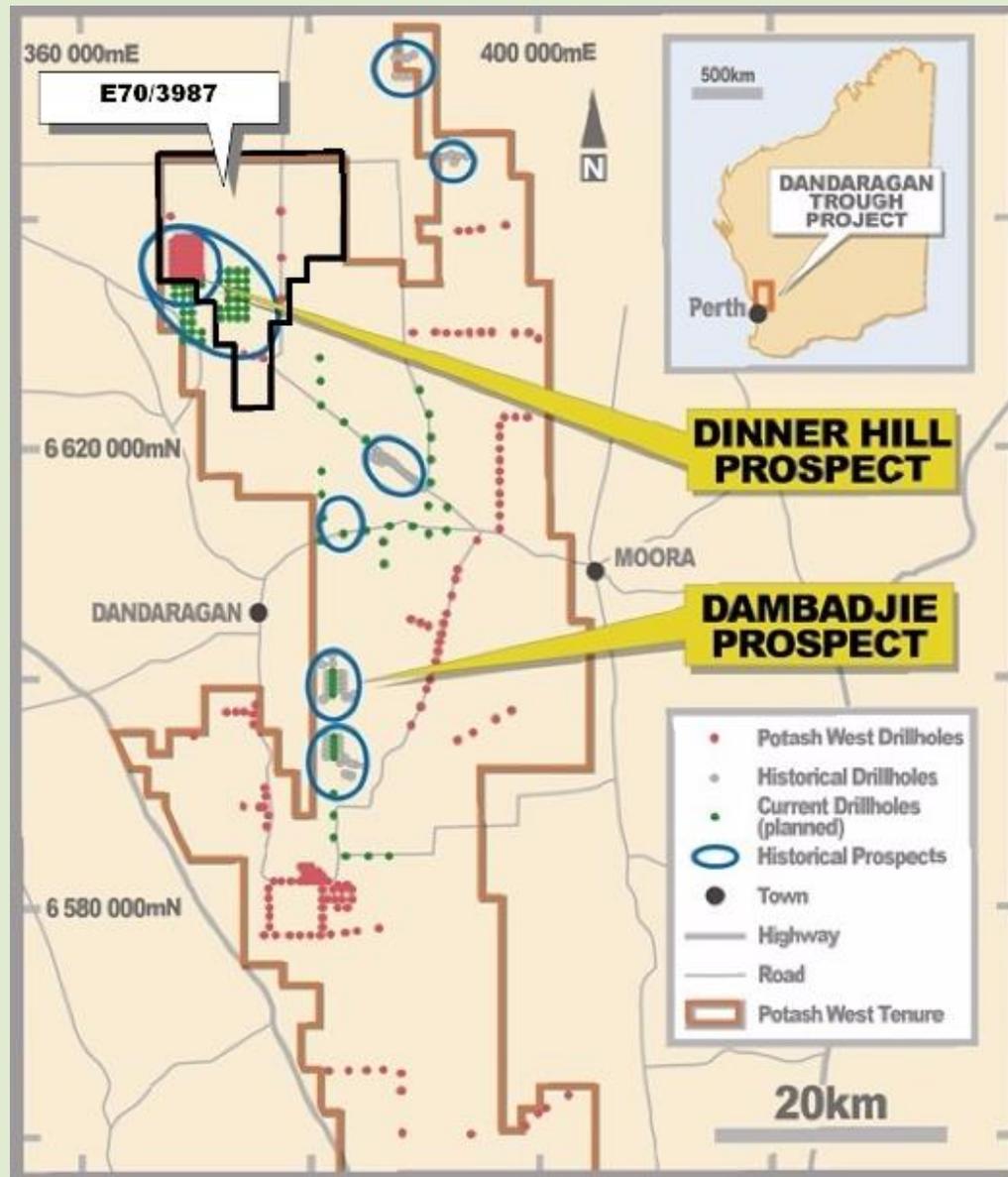
DANDARAGAN PROJECT LOCATION



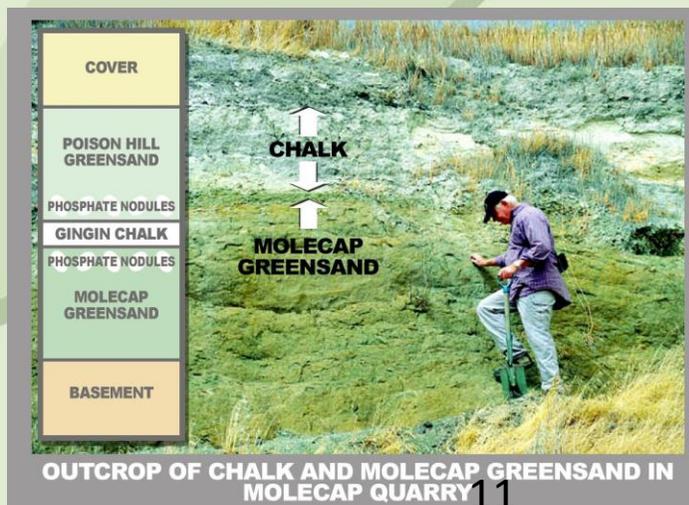
- ❑ +2,600 km² of prospective area
- ❑ ~150km of strike
- ❑ ~+20km width
- ❑ Many intersections +40m
- ❑ Great infrastructure
 - ❑ Rail
 - ❑ Power
 - ❑ Gas
 - ❑ Water
- ❑ Close to local markets, WA and SE Asia
- ❑ Similar mining activity already in region
- ❑ Close to export ports



EXPLORATION

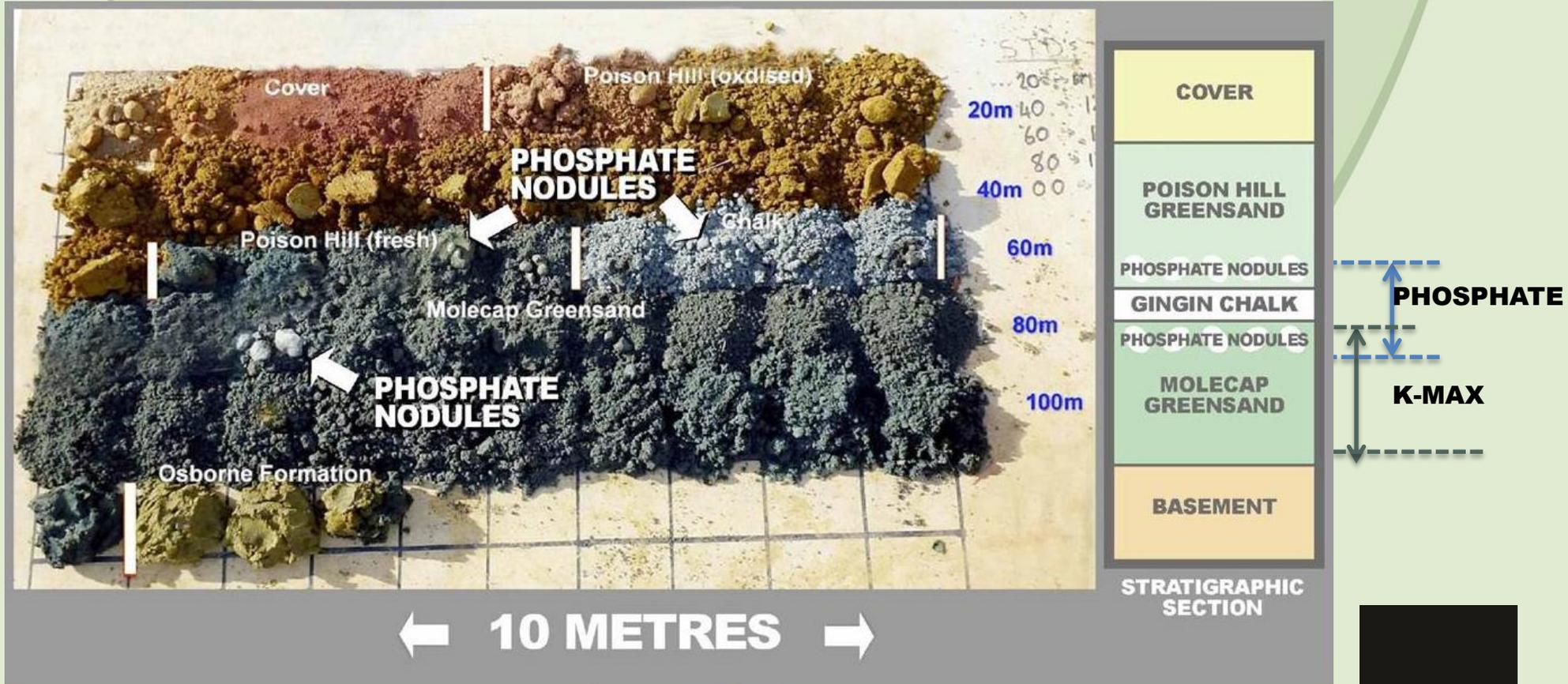


- ❑ Focus on Northern area, 432 holes drilled, 1182m on Dinner Hill
- ❑ Numerous intersections of high grades close to the surface
- ❑ Dambadjie, +60m of high grade
- ❑ Dinner Hill, first resource, phosphate closer to surface

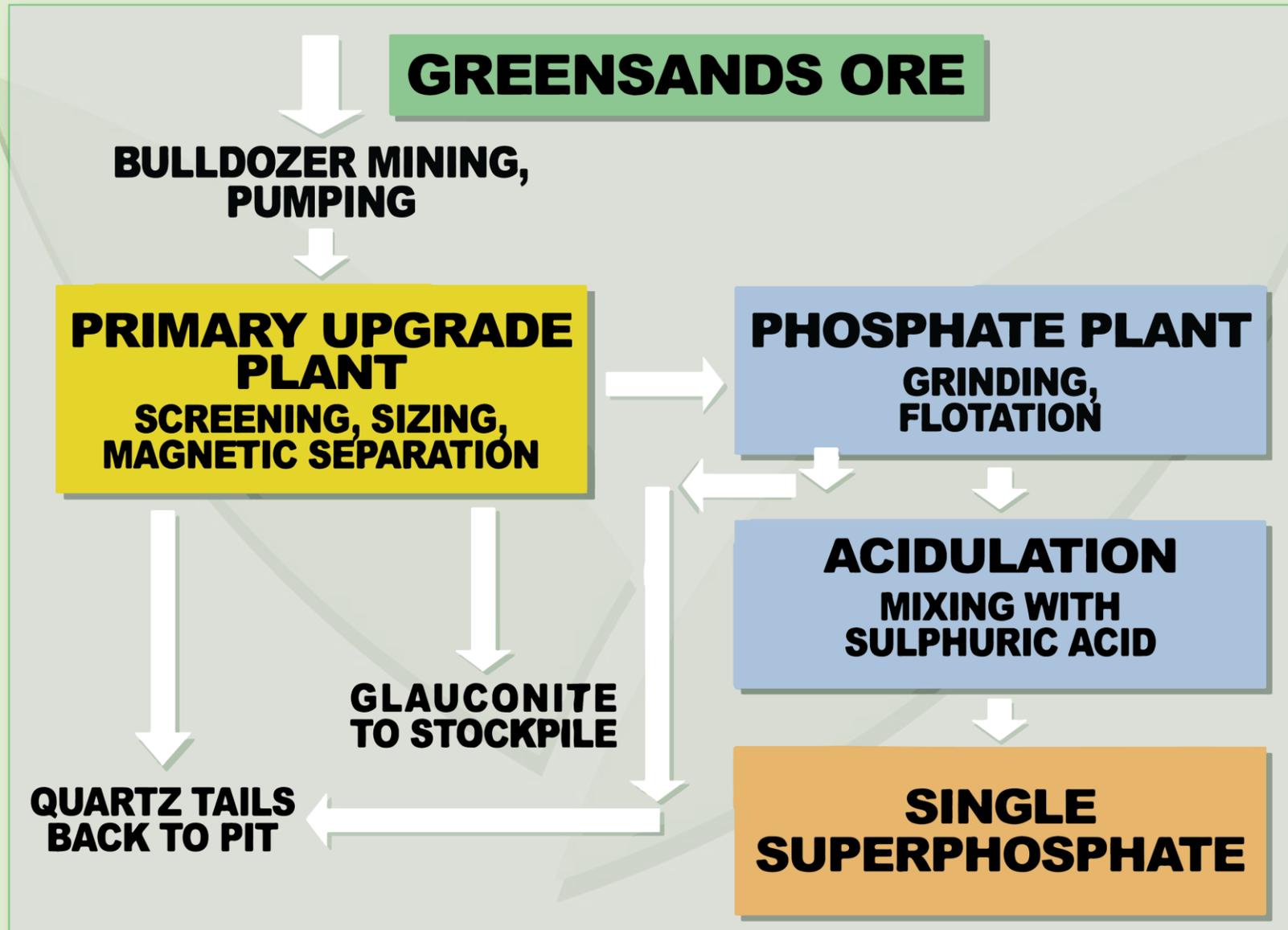


DAMBADJIE PROSPECT

DRILL SAMPLES



PHOSPHATE FLOWSHEET



PHOSPHATE PLANT STUDY PARAMETERS

- ❑ Mining Rate 4 Mtpa
- ❑ One product: 400,000 tpa Single superphosphate
- ❑ Commodity Grade, 18% P_2O_5
- ❑ Capex and Opex estimates +/-35%
- ❑ 100,000 tpa consumed locally, balance exported
- ❑ Project works, despite low feed grade, because:
 - ❑ Unconsolidated sand ore, very low cost mining
 - ❑ Ability to upgrade to ~ 8 -10% P_2O_5 , with screening
 - ❑ High quality infrastructure in place, <200 km from ports
 - ❑ Access to sulphuric acid at low on-site cost
 - ❑ Low capital requirements
 - ❑ Low technical risk



SCOPING STUDY RESULTS - PHOSPHATE

THROUGHPUT	4 mtpa
NPV₈ AU\$M (1)	378
CAPITAL COSTS, AU\$M	205
OPEX, AU\$/tonne of PRODUCT	190
REVENUE , AU\$/tonne of PRODUCT	320
IRR% (1)	20.5
MINE LIFE	+40 YEARS
EBITDA (1), AU\$M pa	52

(1) Ungeared, pre-tax



K-MAX PROJECT

- ❑ **Stage 2 for Dinner Hill**
- ❑ **Using new technology, K-Max**
- ❑ **Suite of products**, sulphate of potash (SOP), high Mg SOP, Alum, Phosphoric Acid.
- ❑ **Capex \$596 M, IRR 30%, EBITDA \$260 M**
- ❑ **Revenue Mix:**
 - ❑ Phosphate 40%
 - ❑ Potash 30%
 - ❑ Alum 25%

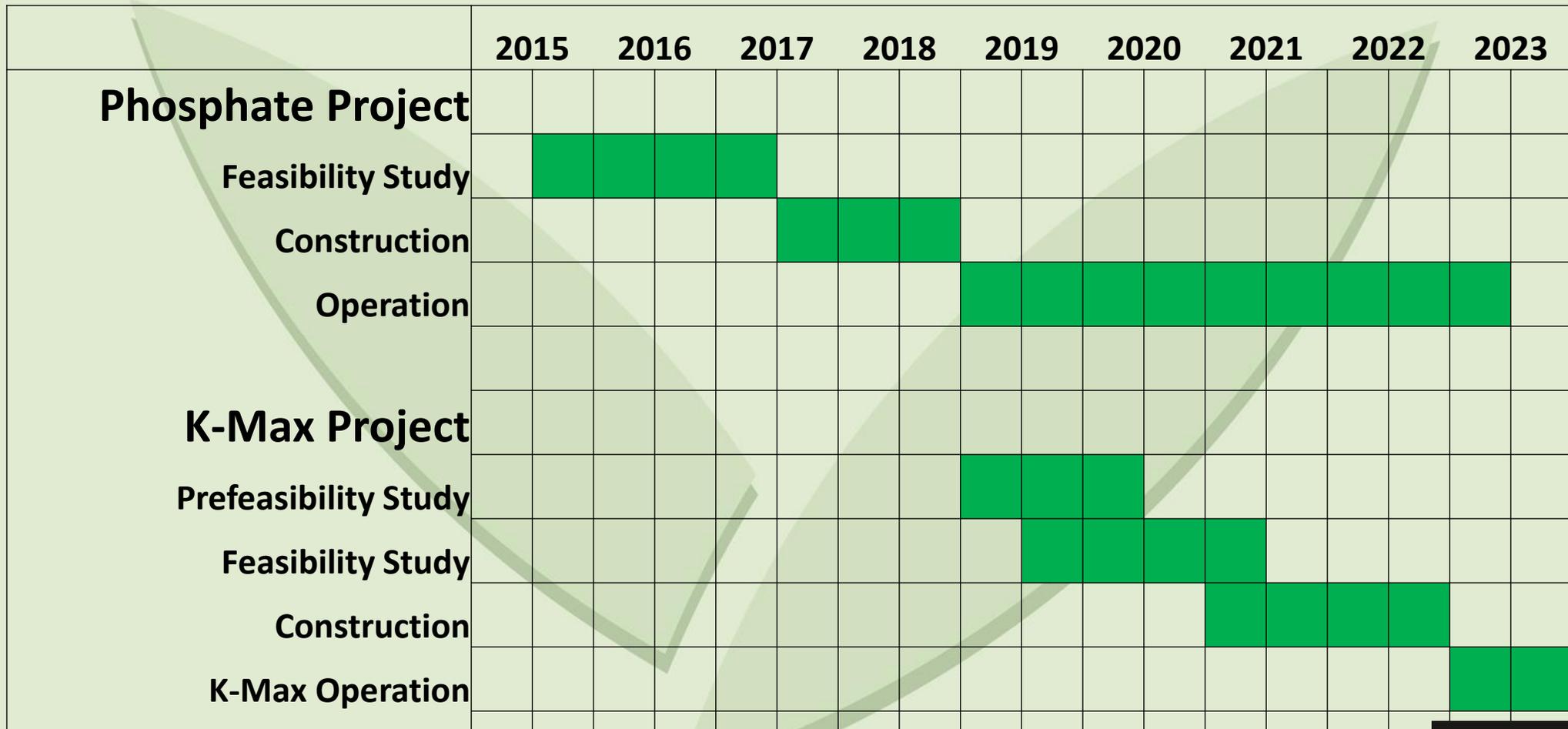


TECHNOLOGY

- ❑ **K-Max IP 100% owned**
- ❑ **Li technology 21% owned**
- ❑ **Working with Strategic Metallurgy to securitise**
- ❑ **Objective to licence technology to project developers**



Dinner Hill Development Timelines



EAST EXPLORATION



- ❑ PWN owns 55% of a Company with 2 Exploration Licences in Central Germany
- ❑ Counterparty, private interests
- ❑ Close to existing producers
- ❑ 450 sq km, extensive previous drilling
- ❑ Working with Ercosplan, world renowned potash consultants, who have worked in this region for many years



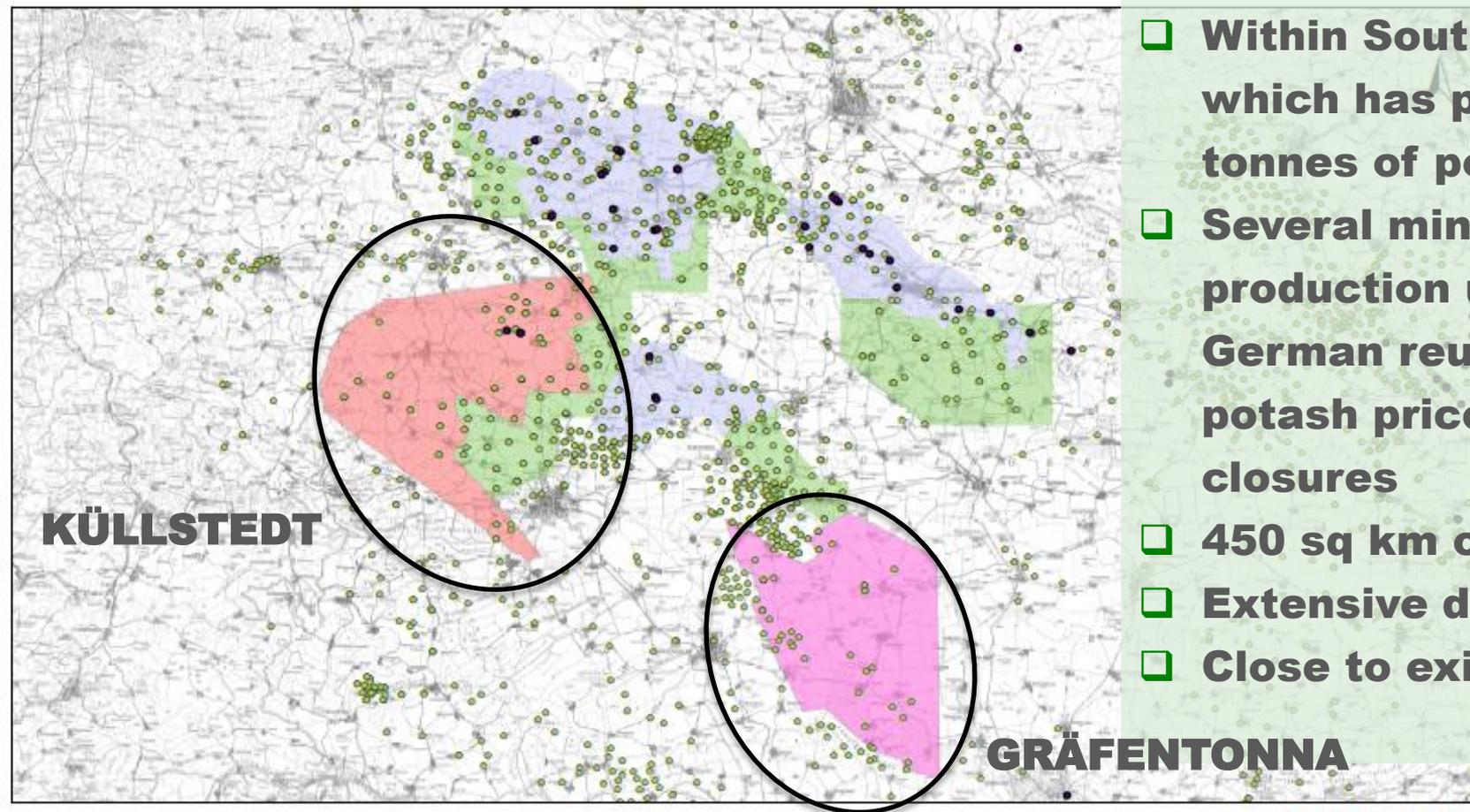
POTASH MINES IN GERMANY



- ❑ Germany has a long history of potash mining
- ❑ Extensive deposits, in Zechstein beds laid down in Permian Period
- ❑ 5th largest producer in world
- ❑ Western Europe is a net importer of potash
- ❑ Extensive expertise exists within Germany
- ❑ Established infrastructure to service regional and global markets



KÜLLSTEDT AND GRÄFENTONNA LICENCES



- ❑ Within South Harz region, which has produced 100m tonnes of potash
- ❑ Several mines in production up till 1990s, German reunification. Low potash prices caused closures
- ❑ 450 sq km of holding
- ❑ Extensive drilling
- ❑ Close to existing mines

Legend

- Potash Shaft
- Boreholes with confirmed Permian Evaporite
- Existing Mining Areas
- Mining License Areas
- Exploration License Application Area of Gräfentonna
- Exploration License Application Area of Küllstedt

Map of the South Harz Region with Existing Mining Properties and Exploration License Application Areas

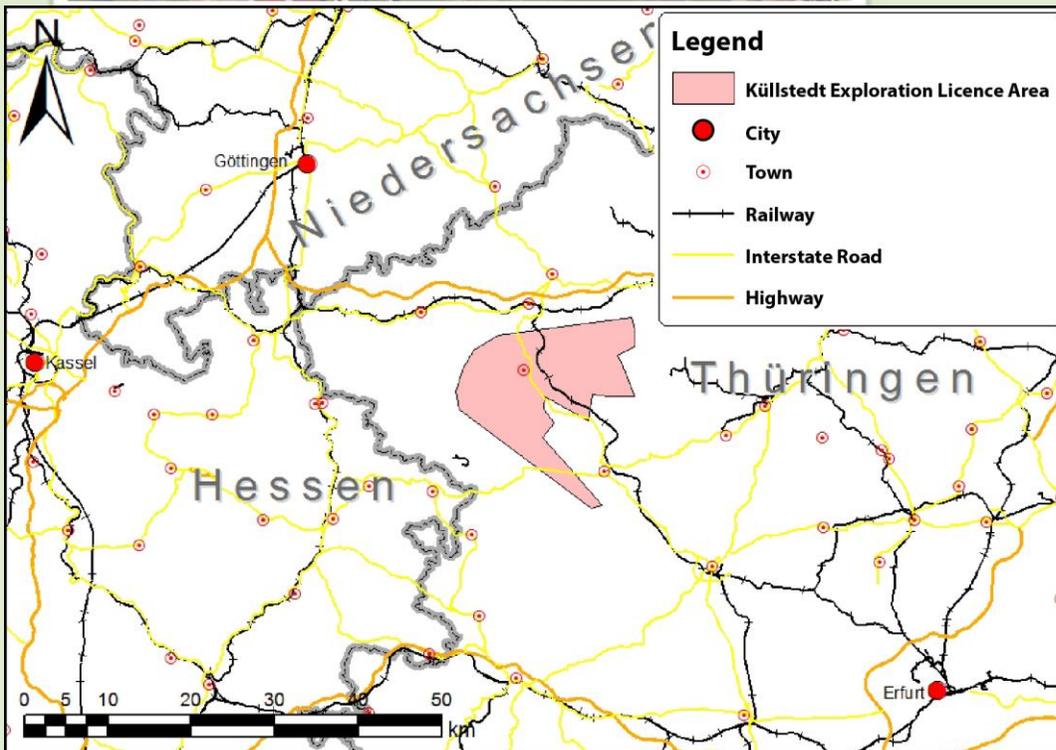
ERCOSPLAN



FOCUS ON KÜLLSTEDT



- ❑ **JORC Exploration Target 4 to 5 B tonnes @ 7 to 25 % K_2O (1)**
- ❑ **Establish drill programme to target a JORC inferred resource of +200 M tonne**
- ❑ **Build up local team**



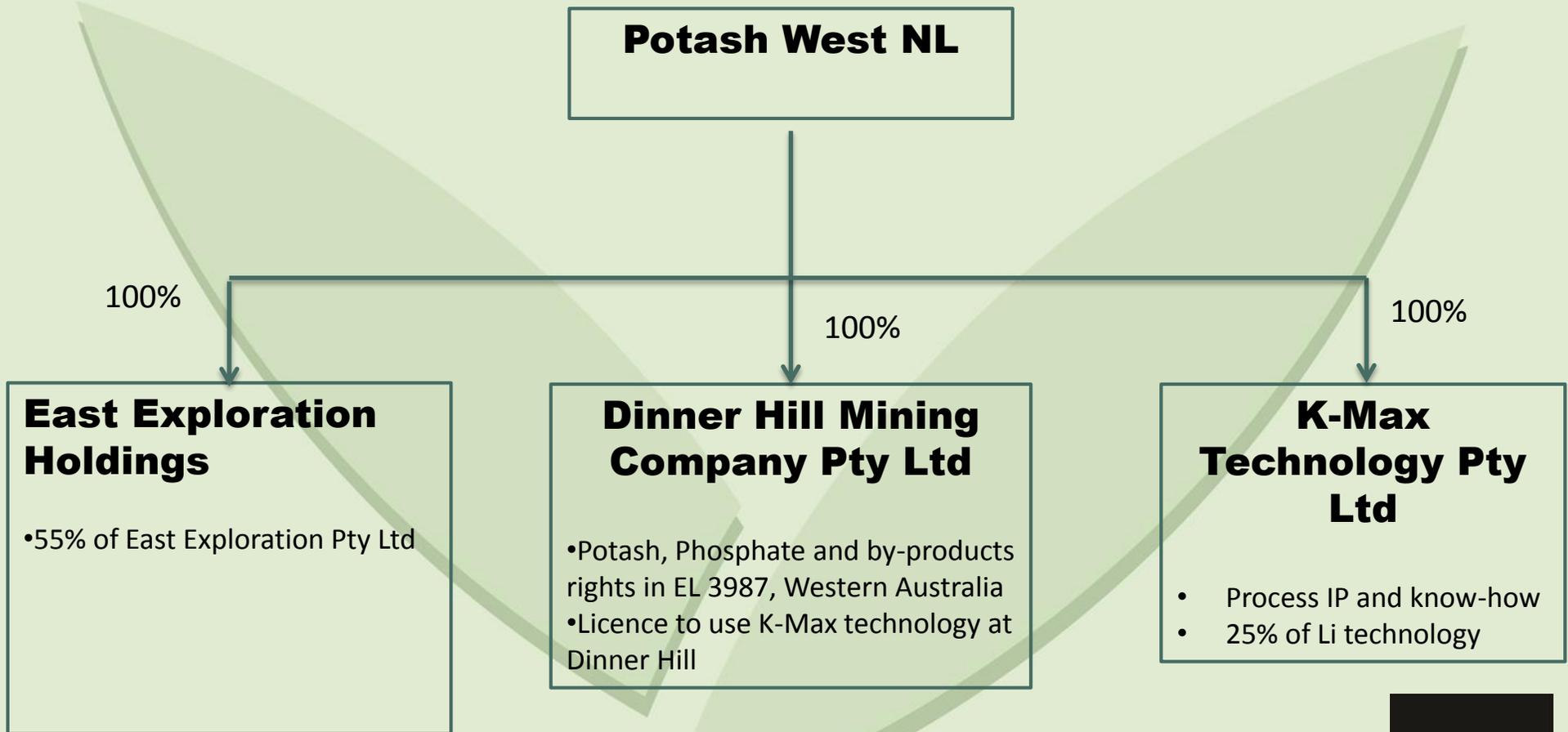
• **(1) Refer ASX release 4 March 2015**

NEXT STEPS FOR EAST EXPLORATION

- ❑ **Preferred route forward, for both PWN and the minority shareholders of EE, is to vend into a dedicated company which can be focussed on developing this opportunity.**
- ❑ **Agreement reached with Davenport Resources, a subsidiary of Arunta Resources, for the project to be vended in, subject to an IPO and other conditions.**
- ❑ **Transaction moving forward, expected completion Q1 2016**
- ❑ **PWN will own approximately 29% of company, valued at \$14M, at IPO. With additional performance shares on milestones.**

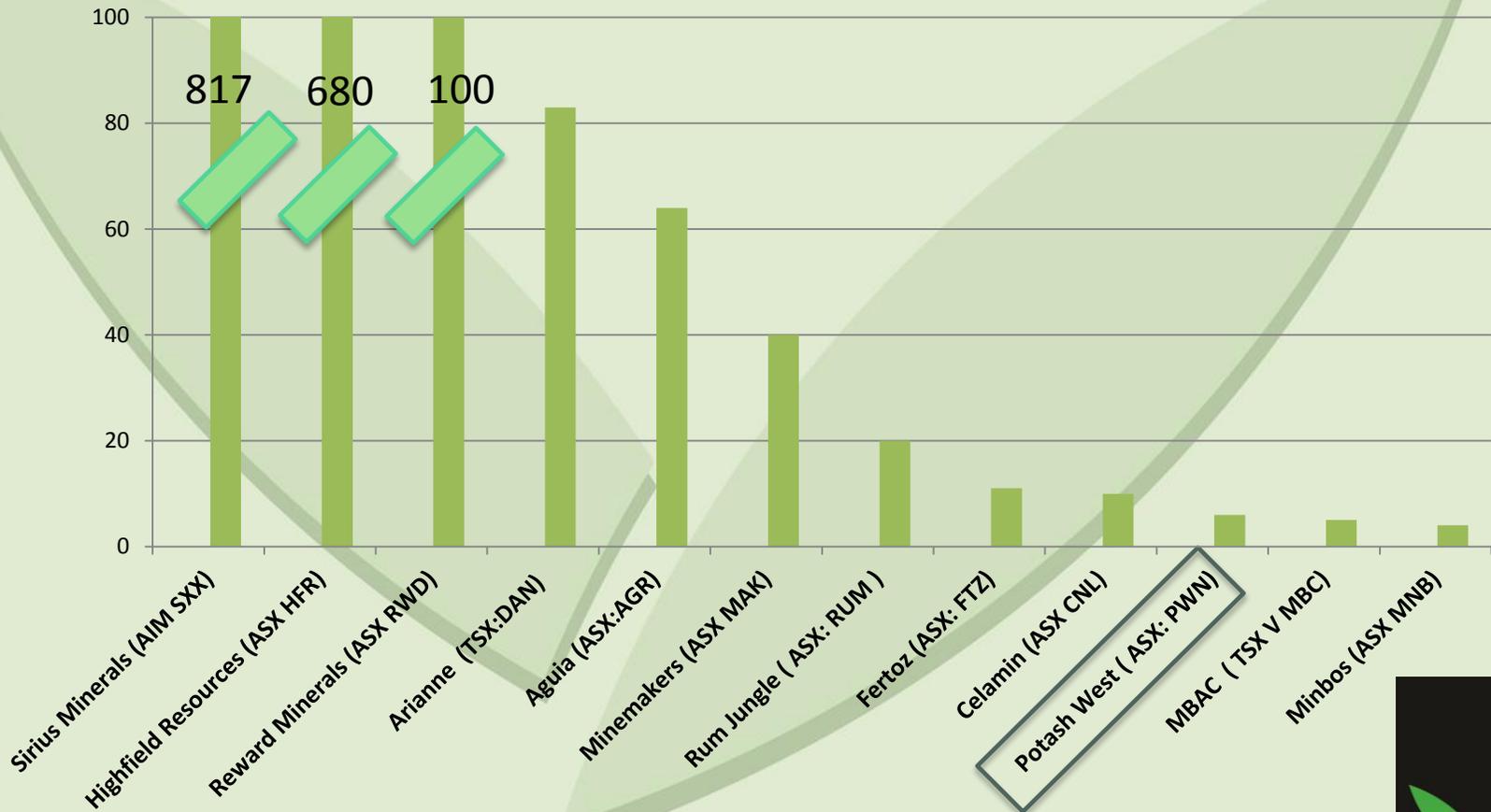


Corporate Structure



MARKET CAP. OF FERTILISER EXPLORERS AND DEVELOPERS

Market Cap,
\$M



As at September 2015



INVESTMENT HIGHLIGHTS

- ❑ **Exposure to the growing fertiliser business**
 - ❑ **Regions are major importers**
- ❑ **Dandaragan Trough**
 - ❑ **Strategic location**
 - ❑ **Low risk start up with phosphate project**
 - ❑ **Blue sky with large scale K-Max process**
 - ❑ **Control of one of the world's largest known glauconite/greensands deposits**
- ❑ **German Potash, exploration upside**
 - ❑ **Long production history**
 - ❑ **Extensive database available, quality partners**
- ❑ **Valuable IP created**
 - ❑ **Apply K-Max technology to other deposits**
 - ❑ **Exploit lithium technology**



QUESTIONS?

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