



**DAVENPORT  
RESOURCES**

# **Corporate Presentation March 2020**

**DEVELOPING WESTERN EUROPE'S LARGEST  
POTASH INVENTORY**



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## COMPETENT PERSON STATEMENTS

*Elizabeth de Klerk M.Sc., Pr.Sci.Nat., SAIMM., Micon’s Director, Senior Geologist and Competent Person visited the South Harz Potash project from 12<sup>th</sup> to 16<sup>th</sup> February 2018 and 6<sup>th</sup> to 8<sup>th</sup> March 2018. During the initial site visit, the historical drilling area and laboratory facilities at K-Utec Salt Technologies Ltd in Sondershausen were visited. The original drill hole logs, reports, maps and cross-sections held in the Bodenverwertungs and verwaltungs GmbH (BVVG) archives in Berlin were also inspected. In addition, Mrs. de Klerk interviewed the Ercosplan team at their offices in Erfurt to understand how the data were used to compile an Excel database and generate an initial Exploration Target for Mühlhausen-Nohra. The second site visit involved more time spent at K-Utec inspecting additional historical records for Mühlhausen-Nohra held in the archives at the offices of K-Utec Salt Technologies Ltd in Sondershausen.*

# INTRODUCING DAVENPORT

**Davenport has assembled a potash portfolio comprising several, stand-alone projects on a long-established potash field based in the heart of Germany.**



Davenport is developing Europe's largest potash inventory



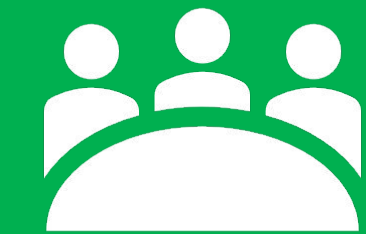
Tier 1 location in South Harz, Germany has historically produced over 180Mt potash



Potash market accelerating with population growth to drive price and volume increases



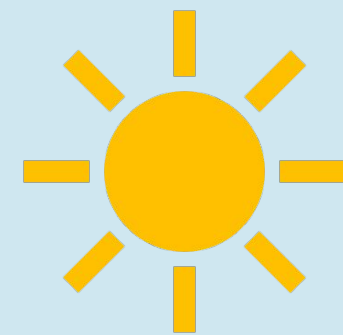
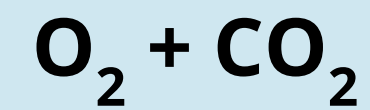
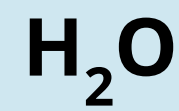
Backed by strategic European fund specialising in mineral resources



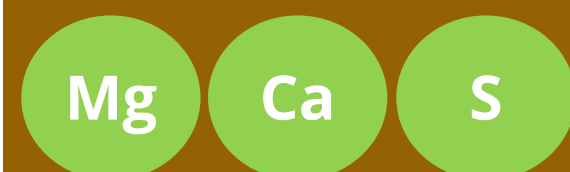
European-based management team with significant potash experience

## Potash is a key source of Potassium: One of the three primary macronutrients

Potassium, Nitrogen and Phosphate are necessary for plant growth and cannot be substituted



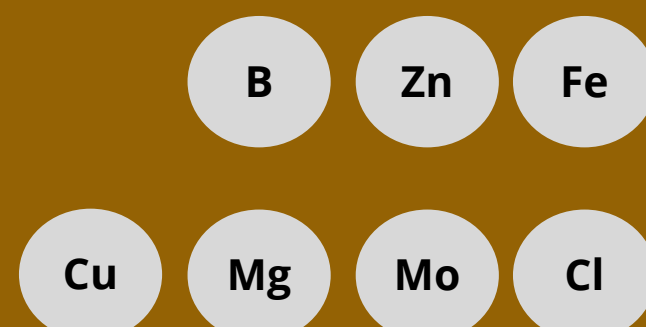
Secondary nutrients



Primary nutrients



Micronutrients



### Potassium (K)

- Improves plant's durability and resistance to drought, disease, weeds, parasites and cold weather
- Potassium deficient soil is common in many countries

### Phosphate (P)

- Plays a key role in adequate root development and photosynthesis process
- Helps plants resist drought

### Nitrogen (N)

- Promotes protein formation
- Determines plant's growth, vigour, colour and yield

## Davenport is focused on MOP, SOP and Magnesium Sulphate

### Muriate of Potash ("MOP")

- Most common form of potassium fertilizer
- Also known as KCl (Potassium Chloride) 60% K<sub>2</sub>O and 46% chloride (Cl) content
- Is supplied in either powder or granule form for fertilizer manufacturing

### Potassium Nitrate ("NOP")

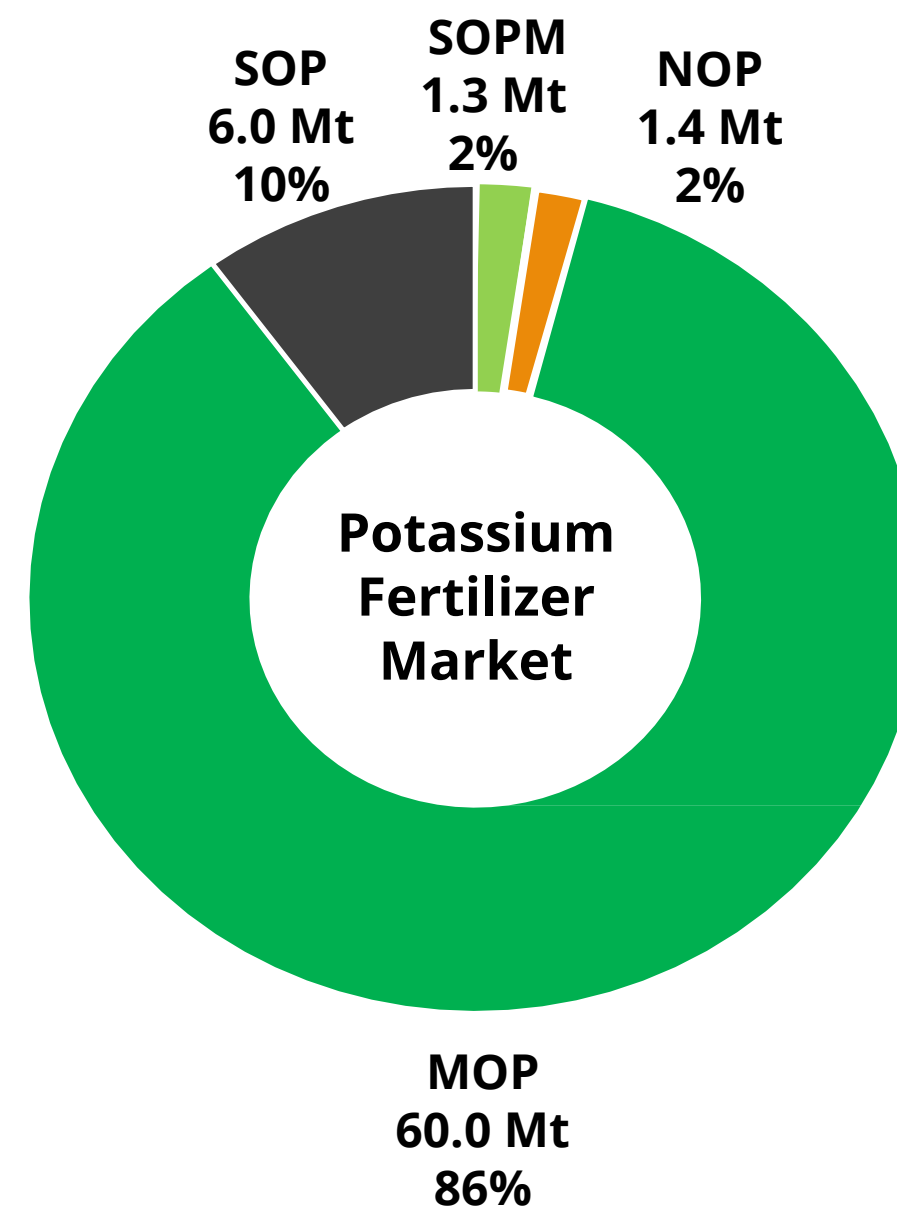
- Form of fertilizer that provides potassium and nitrogen
- 44% K<sub>2</sub>O content and 13% nitrogen
- Used for crops that are sensitive to chloride and require additional nitrogen

### Sulphate of Potash ("SOP")

- 50% K<sub>2</sub>O and 17.5% sulphur content
- Used principally for specialty crops: fruits, vegetables, nuts, berries, beans, cocoa and potatoes
- Shortage of SOP is a growing issue

### Sulphate of Potash Magnesia ("SOPM")

- Special form of fertilizer used as a source of potassium, sulphur and magnesium
- 28% K<sub>2</sub>O, 10% MgO, 16% sulphur content
- Used for high-value crops



**DAVENPORT HAS JORC RESOURCES OF OVER 5.3B TONNES @ 10.8% K<sub>2</sub>O**

## POPULATION GROWTH

The world's population is set to increase to 9 billion by 2050, massively increasing food demand



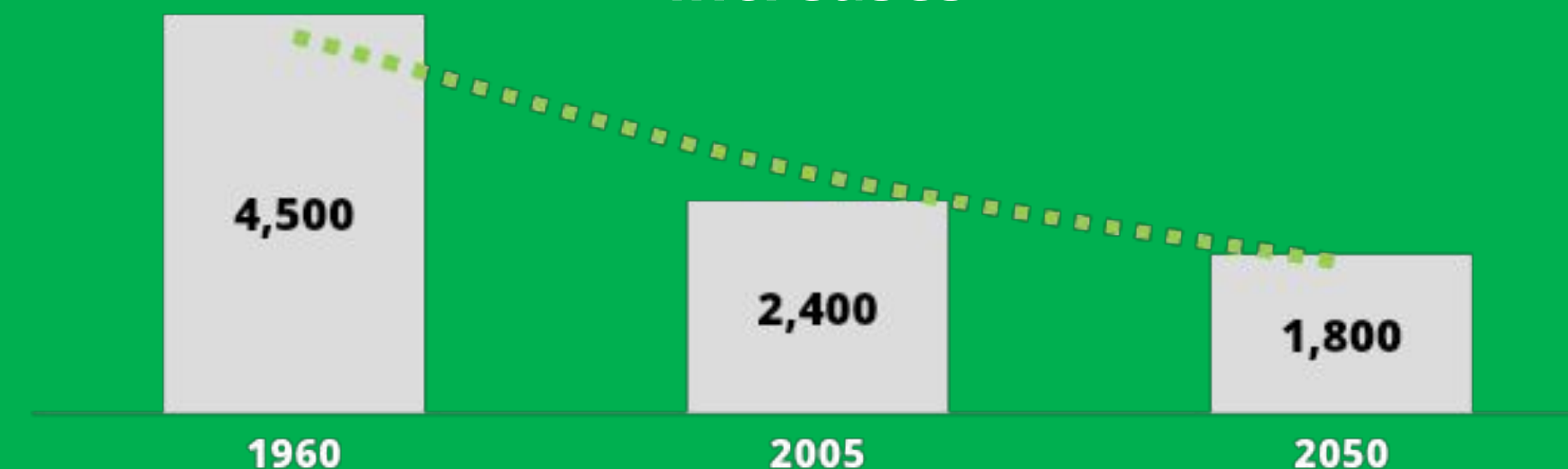
Potash has the capabilities to service the rapidly growing need for quality crops

Majority of population growth to come from developing nations

Increasing living standards driving demand for nutrient-rich crops

## LAND AVAILABILITY

Arable land per person continues to dramatically decrease as food demand increases



Arable land per person will only be 1,800m<sup>2</sup> by 2050.\*

Potash will be the key to get more crops from less land

Developing markets are yet to fully utilise the potential of potash

\*Source: Argus

# FUNDAMENTALS TO DRIVE DEMAND AND PRICE INCREASE



Global MOP demand is expected to increase steadily to 88 Mt by 2033



Prices are forecast to be upheld at current levels and rise over the next ten years.



Demand being driven by population increases and changing dietary demands

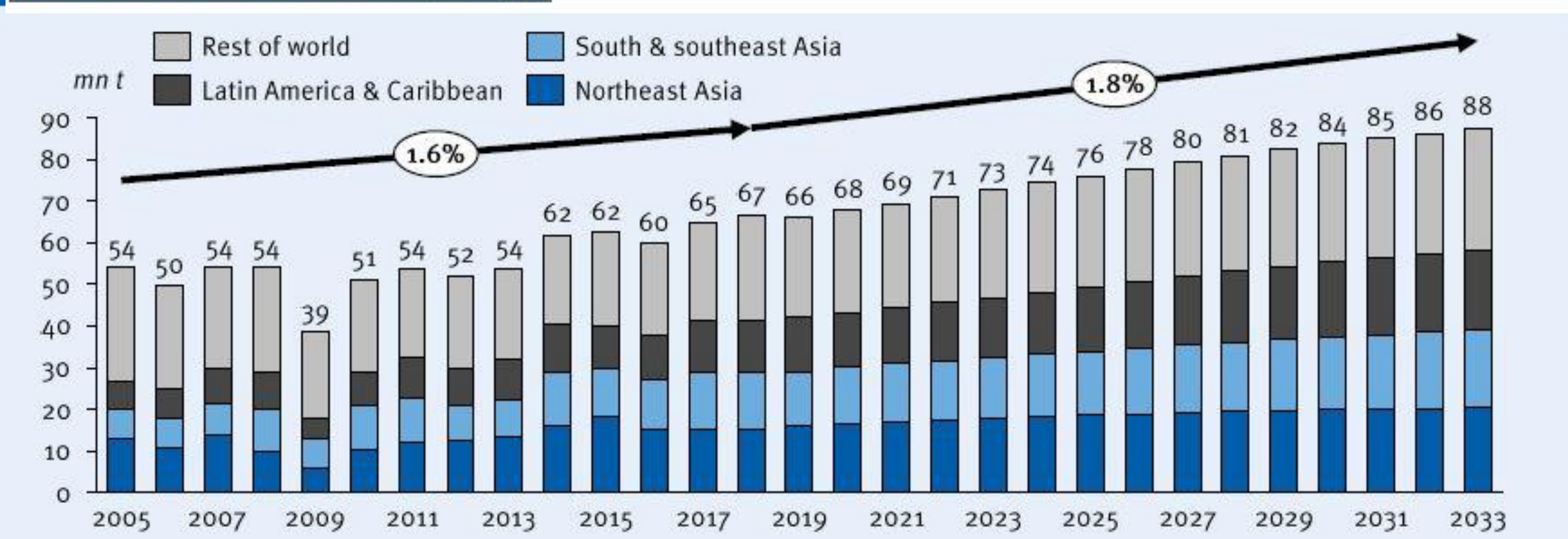


Significant growth will be seen from both Europe and nearby developing nations

fob Vancouver price forecast

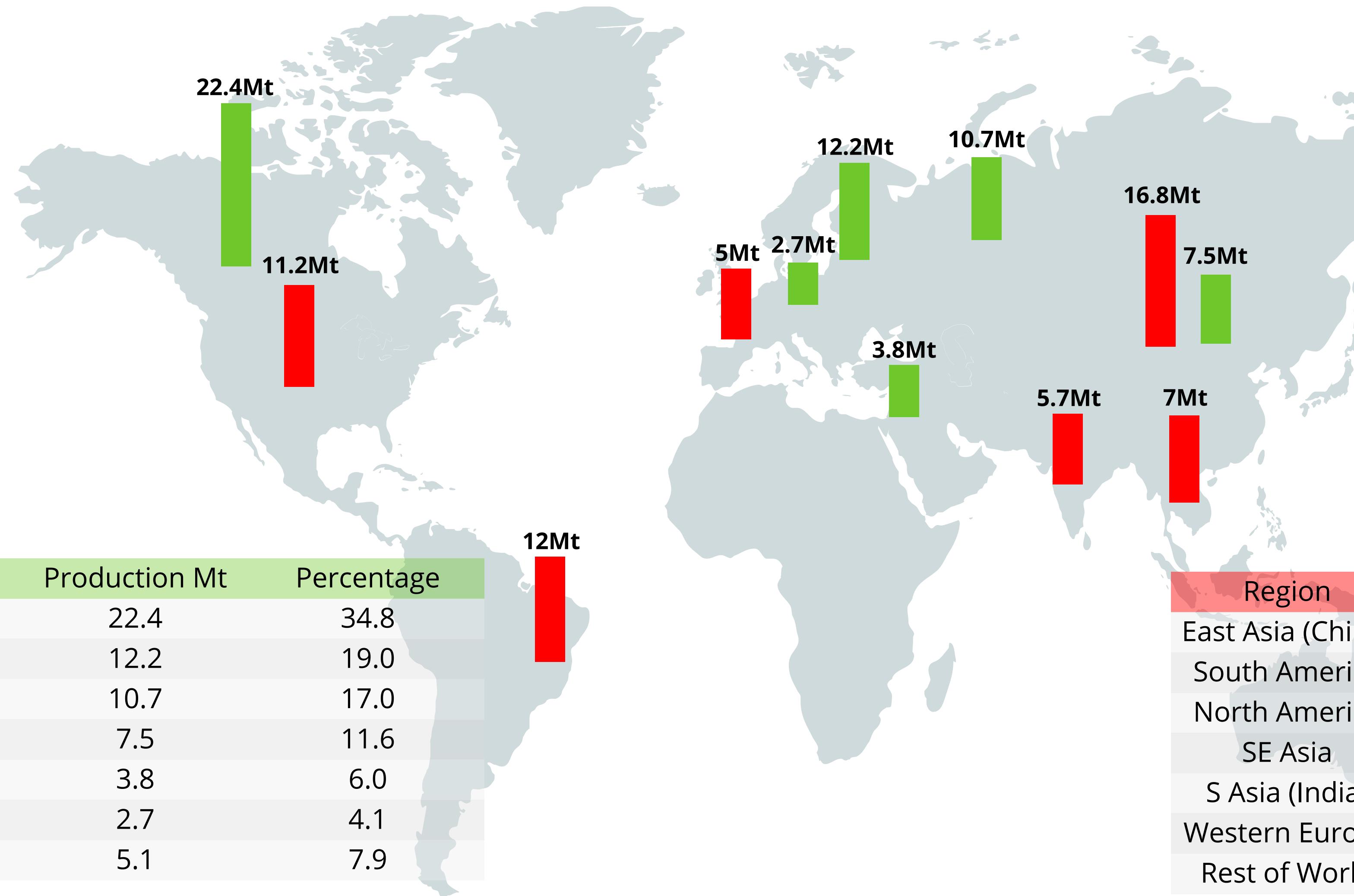


Global MOP demand forecast, mn t/y



Source: Argus

# GLOBAL PRODUCTION AND SALES 2018



Current production is heavily concentrated in Canada

Western Europe remains a significant net importer

South Harz located near key European and developing agricultural markets

Country	Production Mt	Percentage
Canada	22.4	34.8
Belarus	12.2	19.0
Russia	10.7	17.0
China	7.5	11.6
Israel	3.8	6.0
Germany	2.7	4.1
Rest of World	5.1	7.9

Region	Sales Mt	Percentage
East Asia (China)	16.8	25.5
South America	12.0	18.2
North America	11.2	17.0
SE Asia	7.0	10.6
S Asia (India)	5.7	8.6
Western Europe	5.0	7.6
Rest of World	8.3	12.6



# BOARD AND MANAGEMENT SPECIALISING IN POTASH



**Pat McManus**  
Chairman

Mineral processing engineer with over 40 years of mining experience.

Non-Executive Director of Parkway Minerals NL, previously MD of Potash West and served in senior positions with Iluka Minerals.



**Dr Chris Gilchrist**  
Managing Director

A Mineral Engineer with more than 30 years of experience including; General Manager and Operations Director for Cleveland Potash Limited (UK), Non-Executive Director of South Boulder Mines (now Danakali Ltd) managing feasibility on the Colluli potash project in Eritrea.

More recently as Project Manager and adviser to Circum Minerals on their Ethiopian potash project.



**Dr Reinout Koopmans**  
Non-Exec Director

Dr Koopmans spent 15 years in investment banking, based in London.

He was responsible globally for public equity raising for natural resource companies at Deutsche Bank and he led the European equity capital markets team at Jefferies International.

In the 1990's, Reinout was a management consultant with McKinsey & Co in Germany and South-East Asia.



**Rory Luff**  
Non-Exec Director

Founder of BW Equities and East Exploration with more than 15 years' experience in financial services



**Hansjörg Plaggemars**  
Non-Exec Director

Mr Plaggemars is an experienced company director with a deep knowledge of corporate finance, strategy and governance.

He has served on numerous boards in a variety of industries which includes Delphi Unternehmensberatung who are a substantial shareholder in Davenport. Mr Plaggemars is resident in Germany and has deep experience of corporate and capital markets in Europe.

# HISTORICALLY SIGNIFICANT POTASH PRODUCING REGION



Davenport owns three perpetual mining licenses and two exploration licenses covering 659 km<sup>2</sup> in the South Harz potash basin in central Germany.



South Harz has a long history of potash production with 181.7 Mt potash mined since the 1890's. All of Davenport's licence areas surround former potash mines.



Prior to reunification, it was the intention of the former state mining company to mine these areas but it was never followed through.



Many of the areas were drilled to a high standard in the 1960's to 1980's by the former East German state. There is significant infrastructure in the area, including water, gas and rail.



# SOUTH HARZ POTASH PROJECTS

South Harz Projects comprise of a portfolio of 3 Mining Licenses and 2 Exploration Licenses.

Davenport now controls JORC Inferred Resources of over 5.3 billion tonnes @ 10.8% K<sub>2</sub>O

## Mülhausen – Keula – Küllstedt

- 2.7 Bt resource containing 290 Mt K<sub>2</sub>O also containing sulphate potash minerals.
- Potential for a large, long-life, conventional underground potash mine.

## Nohra-Elende

- 1.7 Bt resource containing thick Carnallite intersections
- Potential for large, long life mine.

## Gräfentonna

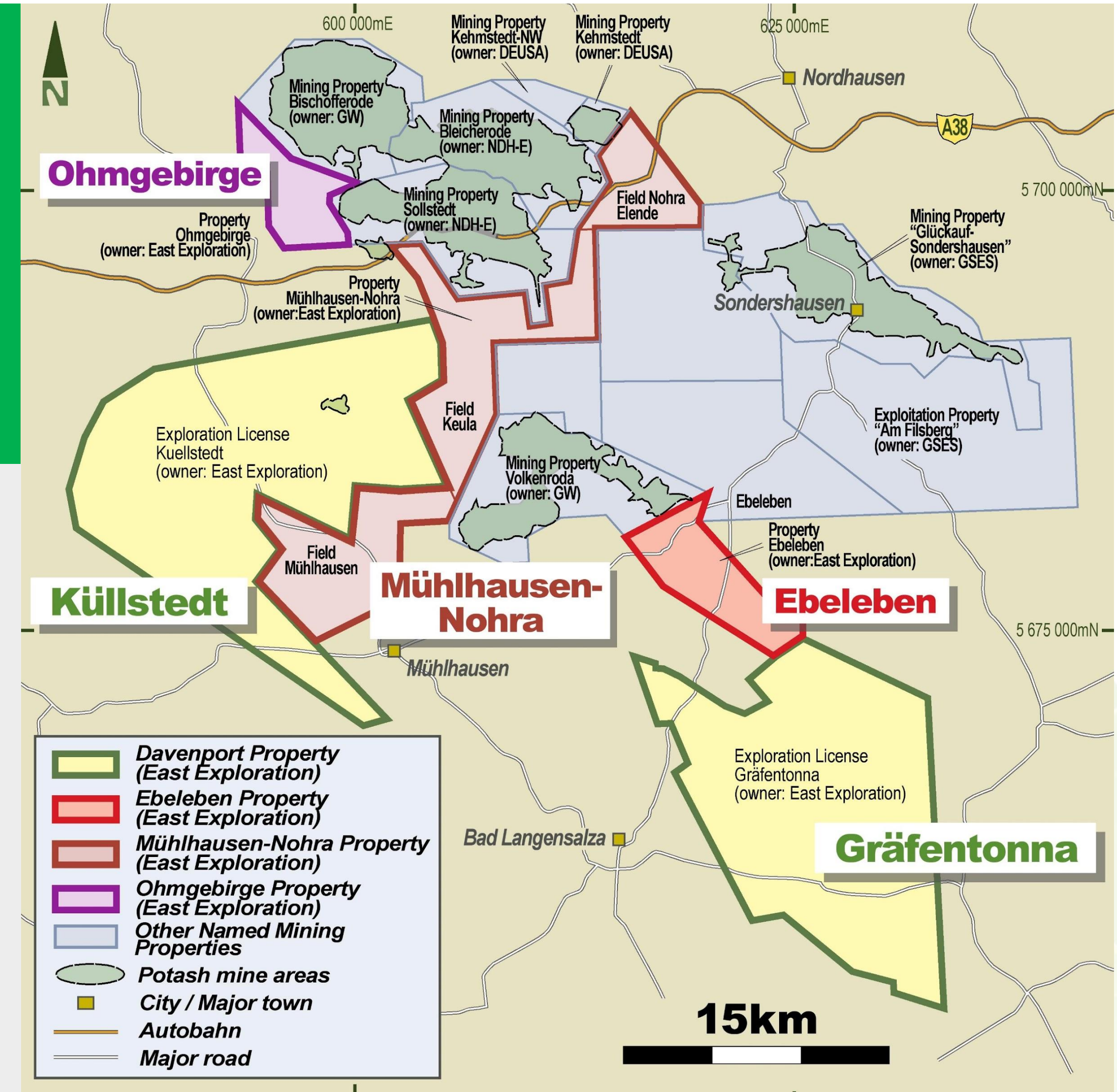
- Exploration target of 2.7-3.4 billion tonnes to 25% K<sub>2</sub>O

## Ebeleben

- 577 Mt resource containing high-grade thick Sylvinitic intersections.
- Medium-sized, long life, conventional underground potash mine potential.

## Ohmgebirge

- 325 Mt resource at relatively shallow depth.
- Potential for potash operation with lower capex.
- May generate nearer-term production and cash flow.



# EXCELLENT SCOPING STUDIES POINT TO OHMGEBIRGE AS THE STARTER PROJECT

Davenport has completed preliminary scoping studies for the Mulhausen-Keula Nohra-Elende and Ohmgebirge licence areas with potash consultancy K-Utec.

Studies concluded proposed development of all areas was technically viable and justify Davenport committing to progress the projects

A scoping study for Nohra-Elende was completed in January 2020.

The scoping studies provide important economic data for use in further studies and in negotiations with potential project partners.

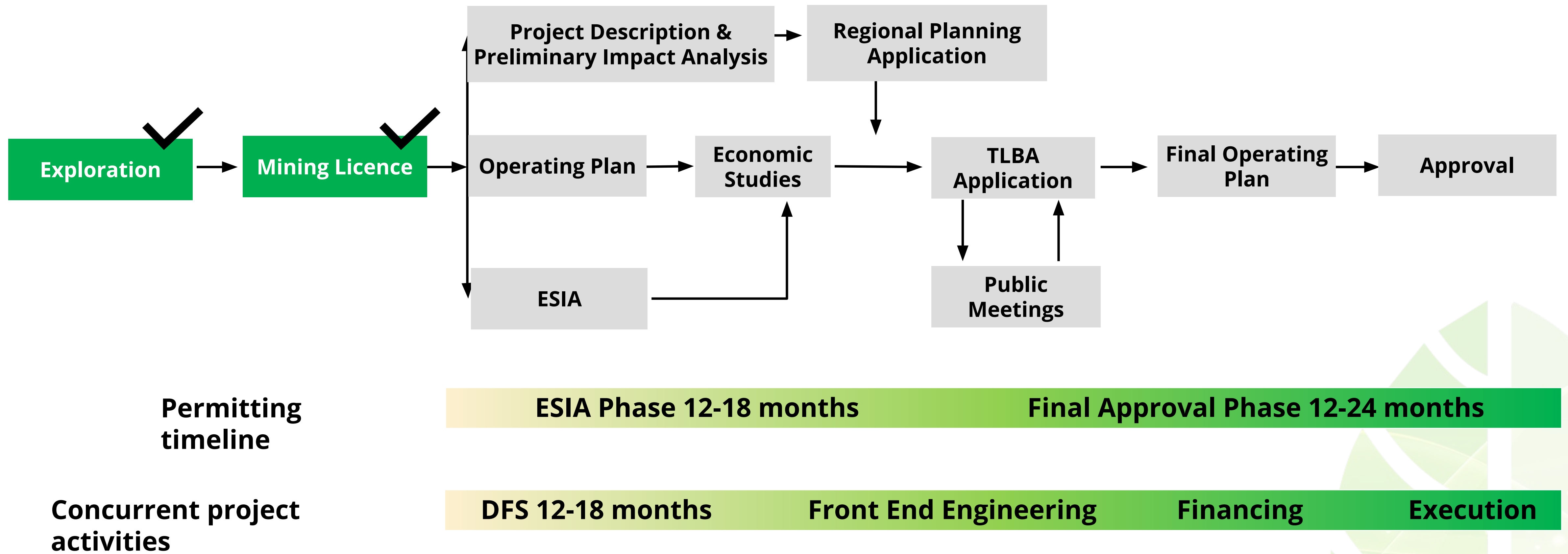
**A FEASIBILITY STUDY FOR OHMGEBIRGE WILL COMMENCE SHORTLY TO CONFIRM POTENTIAL FOR RAPID START-UP**

**SCOPING STUDY SUPPORTS POTENTIAL FOR LOW-COST, LONG-LIFE POTASH PROJECTS**



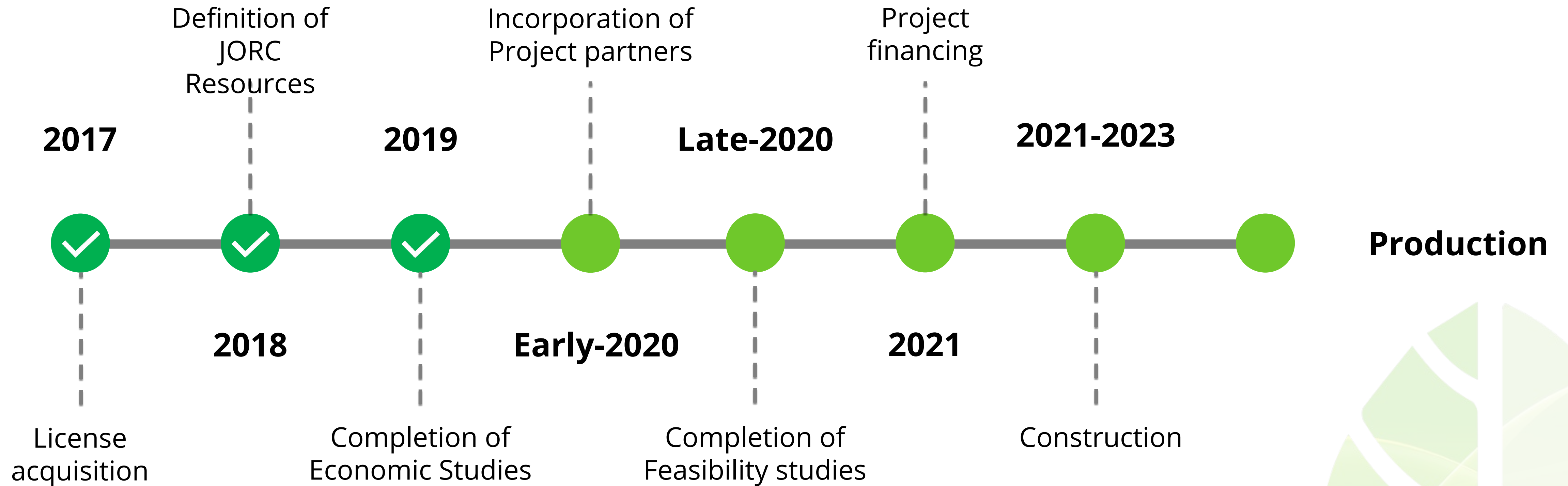
# DAVENPORT'S FAST-TRACK PATH TO PERMITTING

With perpetual mining licences already secured, Davenport enters the process at an advanced stage.



Permitting process runs in parallel with other project activities.

# TIMELINE TO PRODUCTION



# A COMPELLING EUROPEAN POTASH OPPORTUNITY

**Davenport's potash strategy presents an attractive investment opportunity as the growing world population demands an increasing amount of high-quality food products**



**Low-risk jurisdiction in Germany**



**Regional government supportive of job creation projects**



**Proximity to Europe and Africa**



**Potash market fundamentals continue to strengthen**



**High-quality projects in historic potash region**



**5.3bt JORC Resources support long-life project of over 50 years**



**Experienced management team. Key staff based in Europe**



**Close to existing power, water, gas and rail infrastructure**

# CORPORATE OVERVIEW

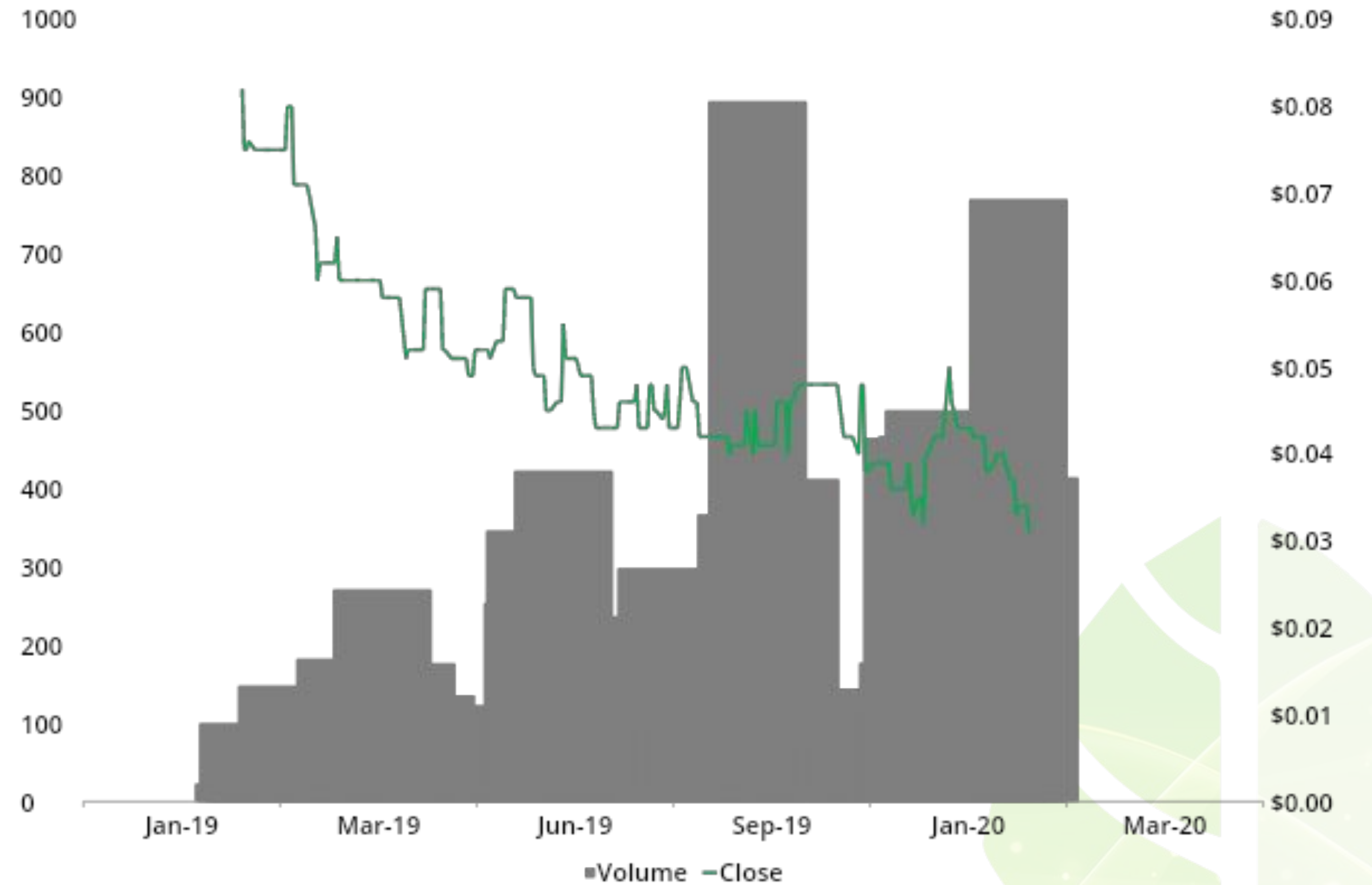
## CAPITAL STRUCTURE

Shares on issue	166.76m
Options	56.68m
Share price	\$0.036
Market cap (fully diluted)	\$6.0m
Cash as at 31 <sup>st</sup> Dec 2019	\$0.48m

## SUBSTANTIAL HOLDERS

	%
Parkway Minerals	20.6%
Delphi Unternehmenberatung AG	9.6%
Lufgan Nominees	8.7%
Lions Bay Capital Inc	6.0%

## SHARE PRICE PERFORMANCE







## INVESTOR & MEDIA ENQUIRIES

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# TOTAL JORC INFERRED RESOURCES

HORIZON	TONNAGE (MT)	K <sub>2</sub> O %	K <sub>2</sub> O (MT)
<b>EBELEBEN</b>			
Sylvinite	324	15.6	50
Carnallitite	253	7.5	19
<b>MÜHLHAUSEN KEULA</b>			
Sylvinite	834	12.1	101
Carnallitite	296	8.2	24
<b>MÜHLHAUSEN NOHRA-ELENDE</b>			
Sylvinite	101	14.2	14
Carnallitite	1,597	9.4	150
<b>KÜLLSTEDT</b>			
Sylvinite	333	13.0	43
Carnallitite	1,205	10.1	122
<b>OHMGEBIRGE</b>			
Sylvinite	261	14.0	36
Carnallitite	64	9.8	6
<b>TOTAL JORC INFERRED</b>	<b>5,268</b>	<b>10.8</b>	<b>567</b>