

K+S Aktiengesellschaft



# K+S is a pioneer in environmentally friendly and sustainable mining.



## Our products are indispensable for people, animals, and plants.

#### Agriculture customer segment

- Every plant needs the three macronutrients nitrogen, phosphorus, and **potassium** (N, P, K), for which there is no substitute.
- Global megatrends call for efficient fertilization.
- With our fertilizers, we support farmers in combating world hunger.
- Alongside traditional potassium chloride (MOP), we provide farmers with a broad portfolio of specialty products for various nutrient requirements, which are also approved for organic farming.



### Our products are indispensable for people, animals, and plants.



#### Industry+ customer segment

- K+S offers a wide range of **high-purity salts** (sodium chloride and potassium chloride) for over 5,000 different applications.
- With our highly diversified customer structure and products, our results are only slightly affected by industry-specific crises.
- Our salts are also used in **pharmaceutical products** and the **food industry**, making them an important part of everyday life.

#### Agriculture has evolved and so have we – since 1889.



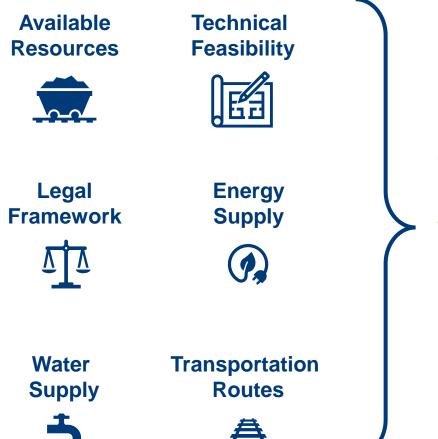


Advantages in logistics due to unique selling points: K+S is the only potash supplier with production sites in Europe and North America and has a first-class logistics network.



**Continuous expansion of our advisory services** to provide local farmers with added value and support them in efficient fertilization. In Africa and Asia in particular, we see the greatest potential.

## High access barriers in the potash market will also prevent a significant oversupply in the future.



These factors make new projects both time-consuming and capital-intensive.

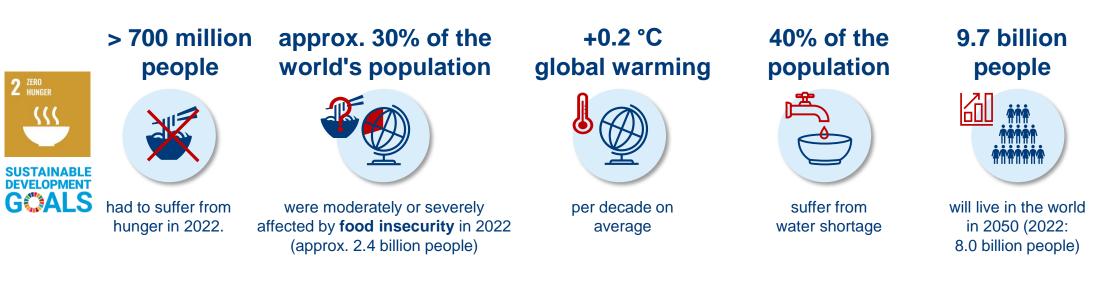




Demand for potash is growing at a CAGR of 2 - 3%, making new projects or expanded capacities averaging around 2 million tonnes per year urgently necessary to meet rising demand.

Source: IFA

## Global megatrends require efficient fertilization and irrigation.





Balanced fertilization with the necessary macronutrients contributes to the required yield increase in agriculture.



Potassium-based fertilizers make plants more resistant to weather extremes such as drought and increase their water use efficiency. Fertigation combines fertilization with irrigation and enables the efficient use of resources.

**Sources:** FAO, IFAD, UNICEF, WFP and WHO. 2023 The State of Food Security and Nutrition in the World 2023: Urbanization, agrifood systems transformation and healthy diets across the rural-urban continuum. Rome, FAO; "Global temperature change" by James Hansen et al. (September 25, 2006); UNESCO World Water Report 2021; United Nations World Population Prospects 2022; World Population Clock of the German Foundation for World Population (as of 2022)

#### We offer farmers a broad specialty portfolio for various nutrient requirements in addition to MOP.

Our products are approved for organic farming.

Soil fertilizer			Foliar and liquid fertilizer		
	ORGANIC ST			ORGANIC REAL	
Korn- <b>KALI</b> ®	~	Our all-rounder - for your most different applications	epsotop	~	The basic ingredient for foliar fertilization
Korn- <b>KALI</b> ®	$\checkmark$	Our all-rounder - for you also now with boron	epsomicRotop*	$\checkmark$	Our specialist for root and leaf crops
Roll-KALI	✓	Our all-rounder - for you also now with boron	epsocombitop*	$\checkmark$	Our specialist for health and quality
KALIMOP	$\checkmark$	Our potassium chloride - your first choice	epso <b>BORTOP</b> *	$\checkmark$	Our specialist for rapeseed and sugar beet
Magnesia- <b>Kainit®</b>	~	Our specialist for your healthy forage production	epso <b>proFitop</b> *	$\checkmark$	Our specialist for all your grain
KALISOP*	✓	Our top quality - for your specialty crops	solumop	$\checkmark$	Our frost professional - for your winter yield security
PREMIUM KALISOP®	$\checkmark$	Our rolled granulate for wide, precisely distributed application	SOLUSOP *52 ORGANIC	$\checkmark$	Our perfect source - potassium and sulfur for your crops
Patent <b>KALI</b> ®	$\checkmark$	Our formula for success - for the highest quality for your crops			
ESTA® Kieserit	$\checkmark$	Our highly concentrated - magnesium sulfur power for plants			

Further information on our products: www.kpluss.com/fertilizer

### Our strategy focuses on optimizing the existing business.



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**Continuous growth potential:** With our new potash plant in Bethune, Canada, we can grow steadily and increase our production by >100,000 tonnes a year. As a result of the solution mining process, the plant will position itself within the most cost-effective 20% of potash producers with a final production rate of 4 million tonnes per year.



At the same time, we are optimizing our German sites to ensure our position also at the lower end of the cycle and further improve our environmental footprint.



**Expanding our specialties portfolio:** We recognize global trends and are expanding our range of specialty products, such as in fertigation (water-soluble fertilizers).



Leveraging our unique infrastructure: It offers many opportunities such as the storage of gas in caverns, underground farming, tailings pile covering, waste and recycling management.

## We are global pioneers in environmentally friendly and sustainable mining.

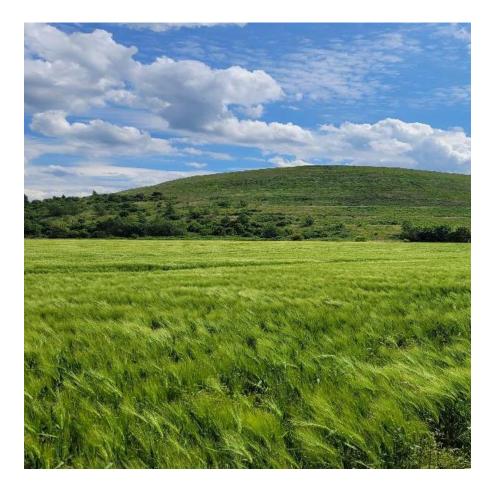
We have already reduced our CO2 emissions by around 80% since 1990.

At the same time, we continue to set ourselves **ambitious goals** and have developed a path to becoming **climate-neutral by 2045**.

We also comply with strict environmental regulations, particularly in production water, and are working on producing "green potash fertilizers".

With our products, we are making a **direct contribution** to the Sustainable Development Goals (SDGs).

K+S website: Contribution to the SDGs



## Our financial ambitions are aligned with the cyclical nature of our business.



We want to **earn our cost of capital** on average over a 5-year cycle (ROCE > WACC).



We are also aiming for an average **EBITDA margin of more than 20%** over this cycle.



K+S wants to maintain a **strong balance sheet** and generally strives for a **maximum leverage ratio** (net debt/EBITDA) of 1.5x.

#### **Distribution Strategy**

K+S aims to return 30 – 50% of the adjusted free cash flow (operative) to the shareholders.



The distribution takes the form of a **dividend**, which **can be combined with a share buyback** in very good years to counteract strong fluctuations in the annual dividend.

The following factors are applied in determining the exact percentage:

- Expected business development
- Expected development of capital expenditure
- Balance sheet structure

## We have emerged stronger from the challenges of recent years and are well positioned for the future.

Severe drought led to production restrictions at German potash sites due to disposal bottlenecks for saline water

Due to low agricultural prices, farmers had little incentive to fertilize efficiently to increase their harvest, which led to a further decline in fertilizer prices

2018

2019/20

2020

Partially negative cash flows further increased the already high level of indebtedness due to the construction of the Canadian potash plant. Net financial liabilities/EBITDA increased to over 7x and the rating was downgraded to B (outlook: negative). Suspension of the dividend payment for 2020. Net financial debt can be fully eliminated through operating business development and strategic realignment; rating back in the BBB- investment grade range. Significantly improved waste disposal safety and permit situation. Excellent growth prospects in Canada.

#### 2022

Rising agricultural prices led to a recovery in demand and an increase in fertilizer prices.

2021

Sale of the US salt business achieved a multiple of 12.5x EBITDA despite implementation of the transaction under Covid restrictions and leads to a cash inflow of USD3.2 billion, book gain of €0.7 billion

2021

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