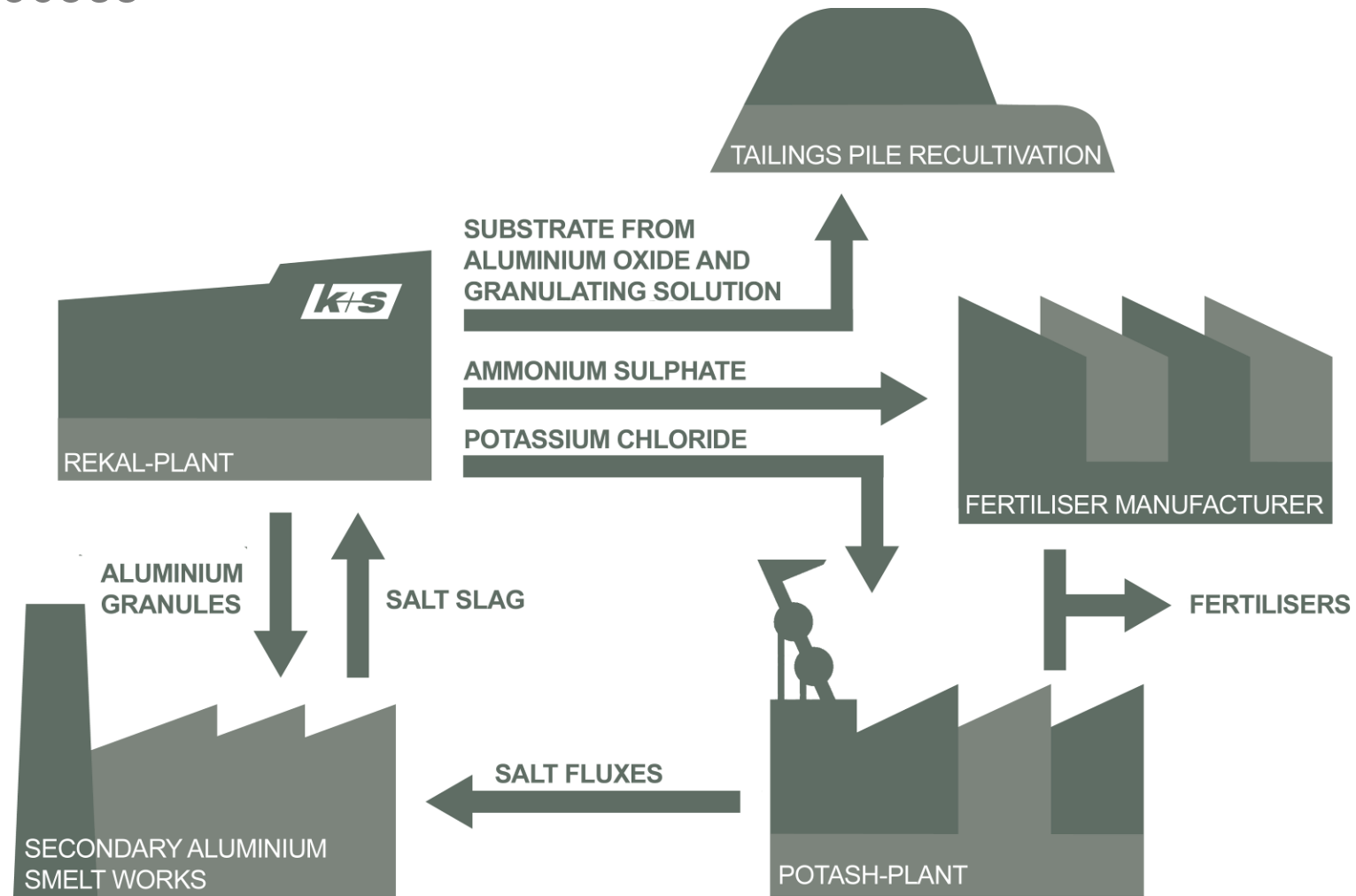


Service for the secondary aluminum industry

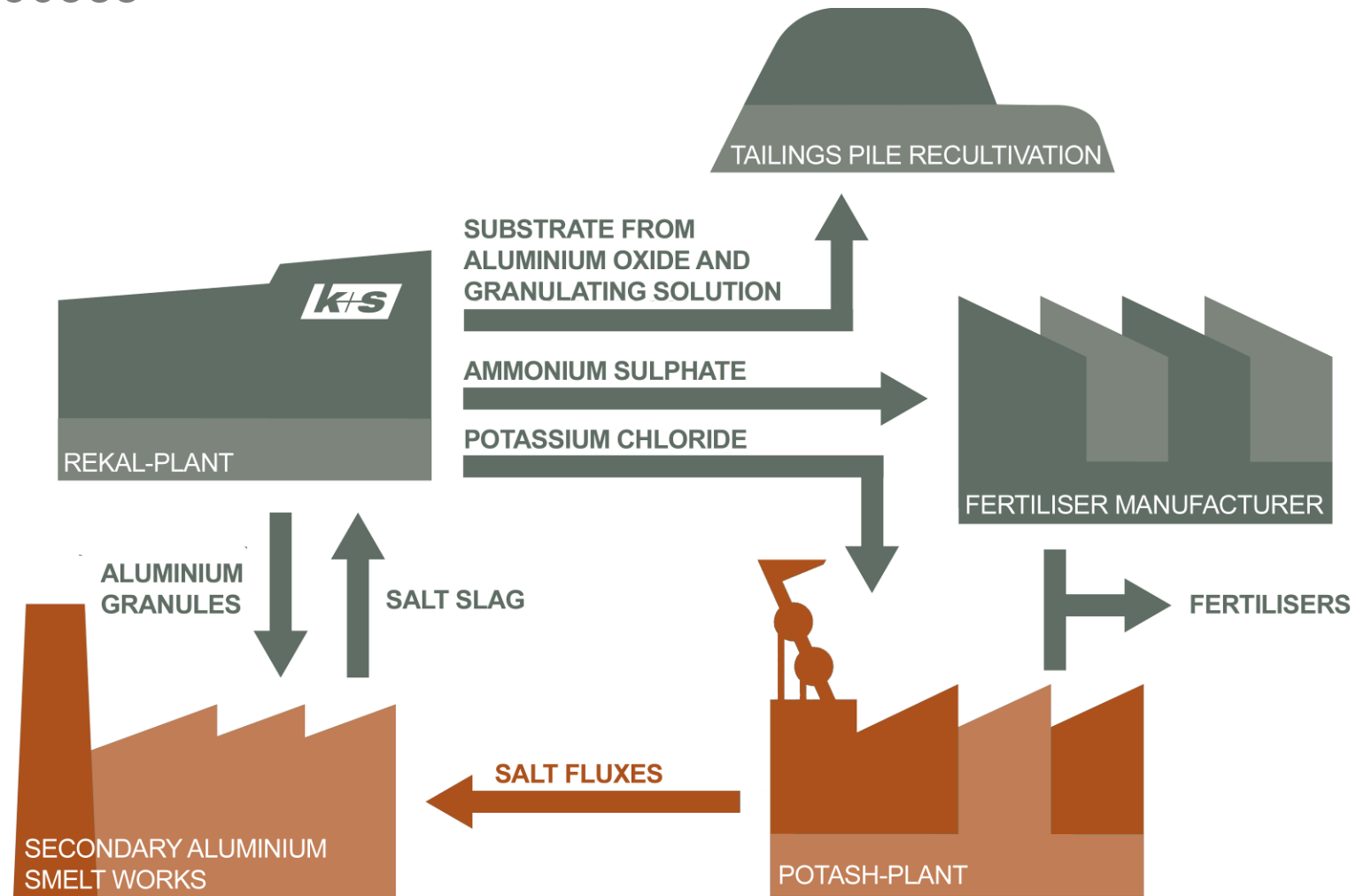
A close-up photograph of industrial machinery, showing a series of dark, metallic, conical components arranged in a row, possibly part of a conveyor or sorting system. The background is blurred, showing more industrial structures.

WE EXTRACT
**ALUMINUM
FROM SLAG**

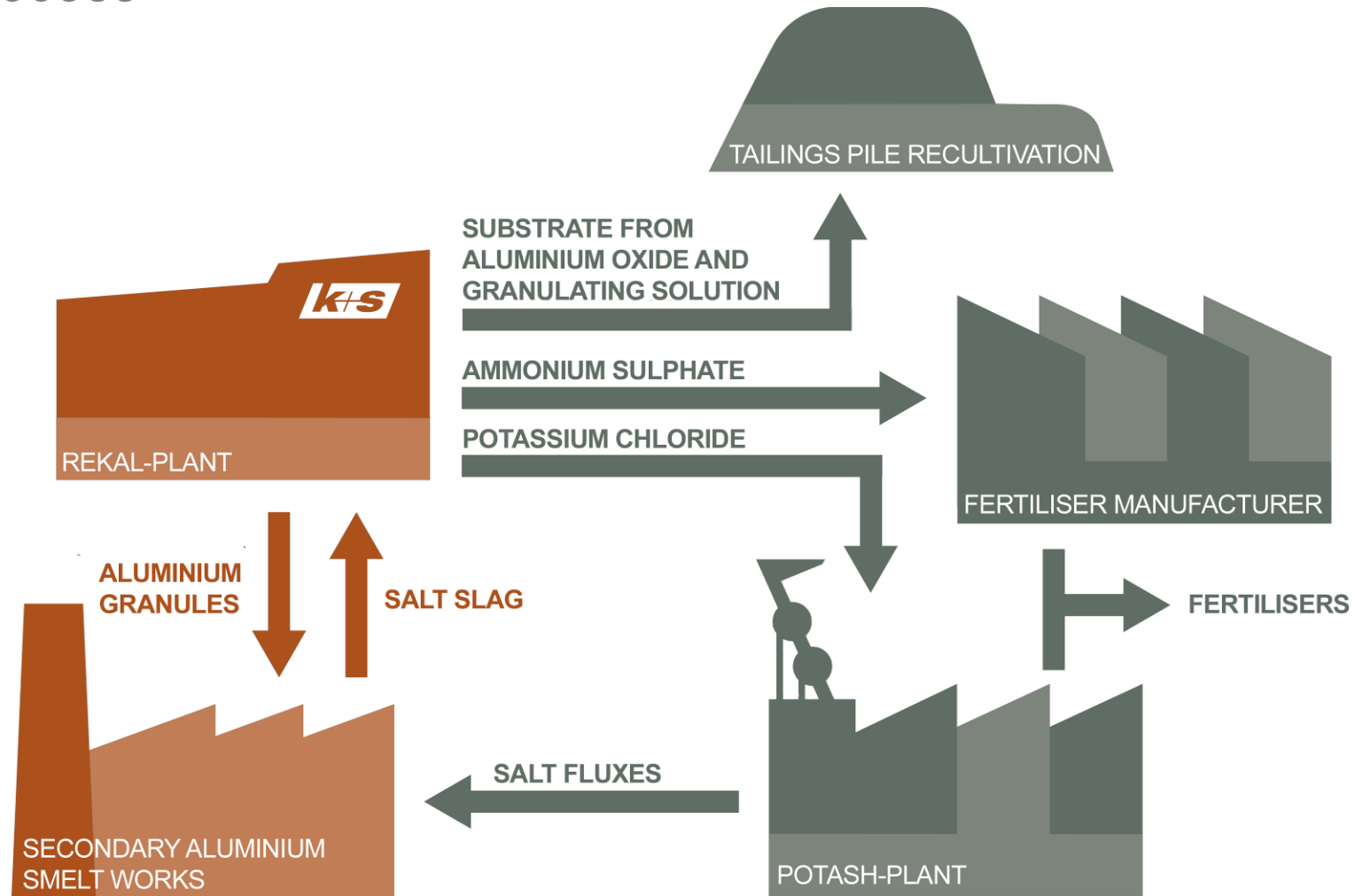
The REKAL process



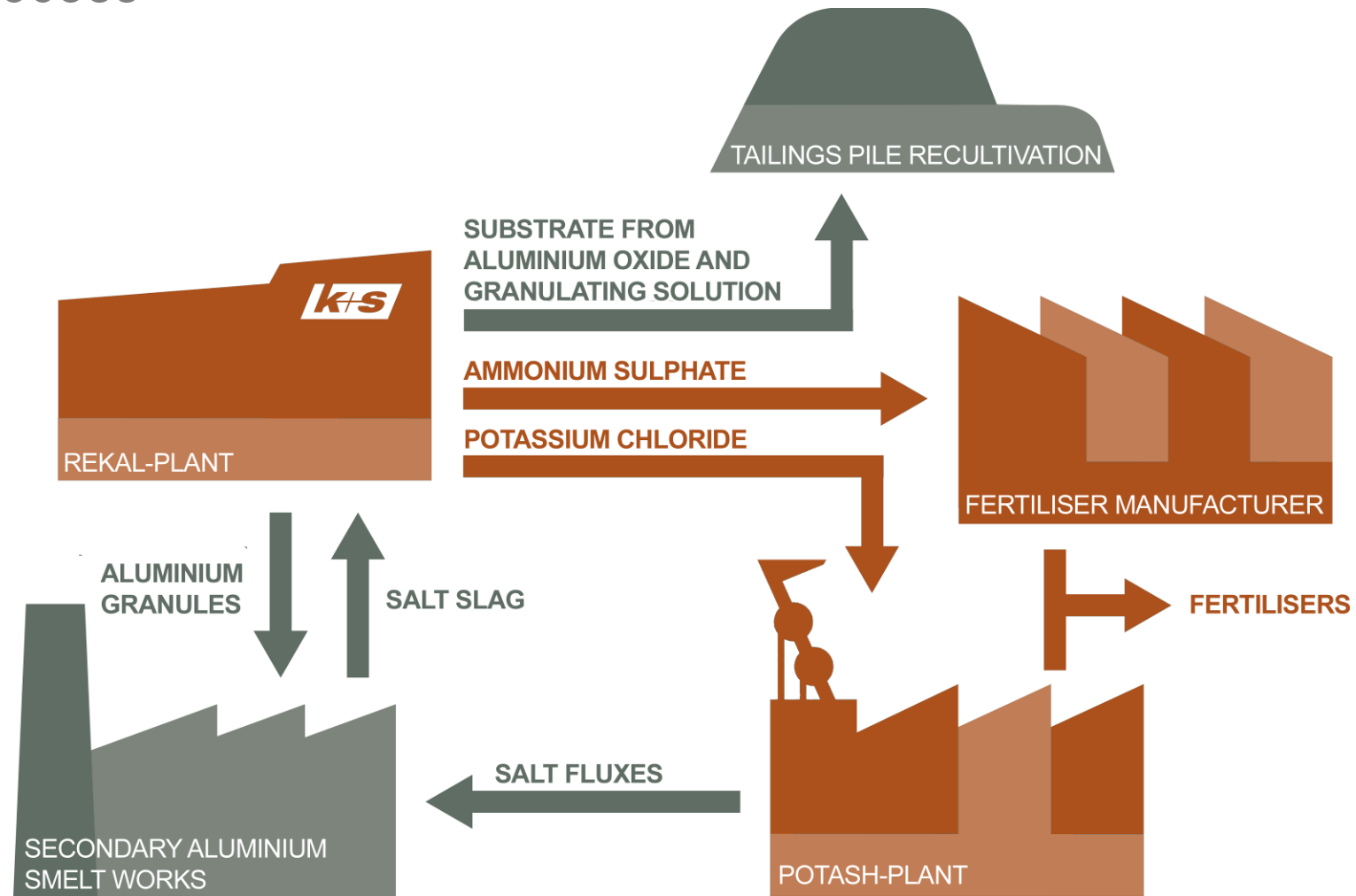
The REKAL process



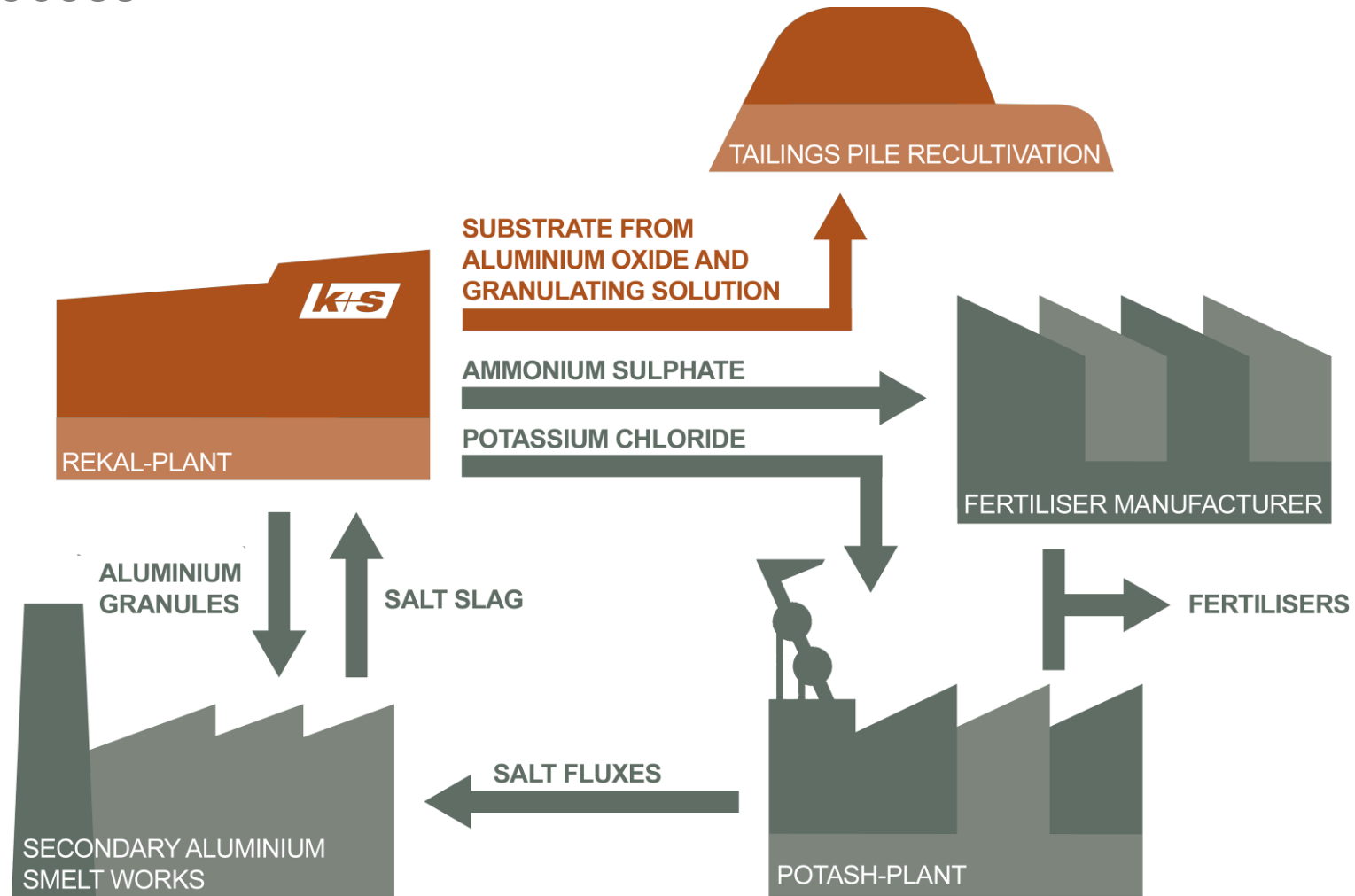
The REKAL process



The REKAL process



The REKAL process

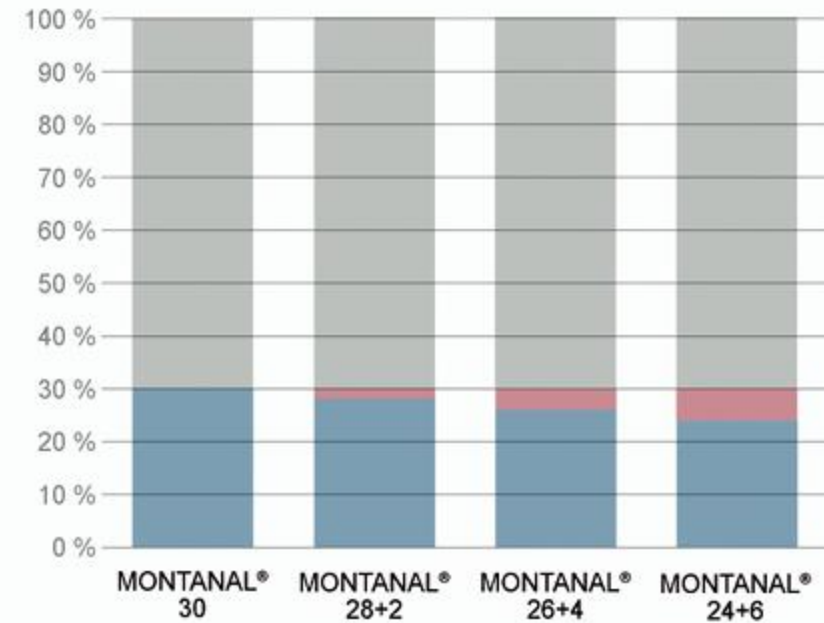


Salt fluxes



Efficient aluminum recycling requires the driest and salt flux possible with an ideal smelting point. We offer it in large amounts – mined in the potash works of K+S.

		KCl	CaF ₂	NaCl
MONTANAL® 30	(MONTANAL® „0“)	30	0	70
MONTANAL® 28+2	(MONTANAL® „2“)	28	2	70
MONTANAL® 26+4	(MONTANAL® „4“)	26	4	70
MONTANAL® 24+6	(MONTANAL® „6“)	24	6	70



Processing of salt slag



REKS thinks through salt slag recycling that means: We recover the entire salt slag, which is accrued in the secondary aluminum industry, and prepare it for reuse. And without leaving residue.

In the REKAL® plant developed by K+S the reusable aluminum is extracted from the slag. And that is not all. We prepare the separated substances potassium chloride, aluminum oxide and ammonium sulphate for further use.

- In the potash plants of the K+S Group first-class salt flux and high-grade fertiliser is made from potassium chloride.
- Ammonium sulphate is also turned into fertiliser.
- From aluminum oxide, a substrate for the greening of the Sigmundshall potash tailings pile according to a patented method.

Aluminum granulate



Also the aluminum contained in the salt slag we claim in the REKAL® plant. The aluminum granulate that is produced has a purity level of around 70 percent. The use saves energy in the production process and is thus a reasonable alternative to the production of primary aluminum.

Salt slag, salt flux and aluminum granulate can be transported loosely as bulk material; cleaning of the lorry is not necessary. Many of the lorries take the salt flux and aluminum granulate back on the return journey, meaning fewer empty runs.

Our contract customers produce a test melt, based on which they can determine the exact aluminum content of the granulate. This is deemed a calculation base. In individual deliveries arranged at short notice, we negotiate a fixed price with our customers.

Entsorgung von Filterstaub



Also the aluminum contained in the salt slag we claim in the REKAL® plant. The aluminum granulate that is produced has a purity level of around 70 percent. The use saves energy in the production process and is thus a reasonable alternative to the production of primary aluminum

Naturally, we also take on the dust produced in the secondary aluminum industry as experts in the safe recovery and disposal of waste. If you wish, this can include packing and transport.

Also residues from exhaust air filtering can usually be used in underground recovery. Should this not be possible, there is still the option of disposing of the hazardous dust safely in our underground landfill sites and isolating them from the biosphere long-term