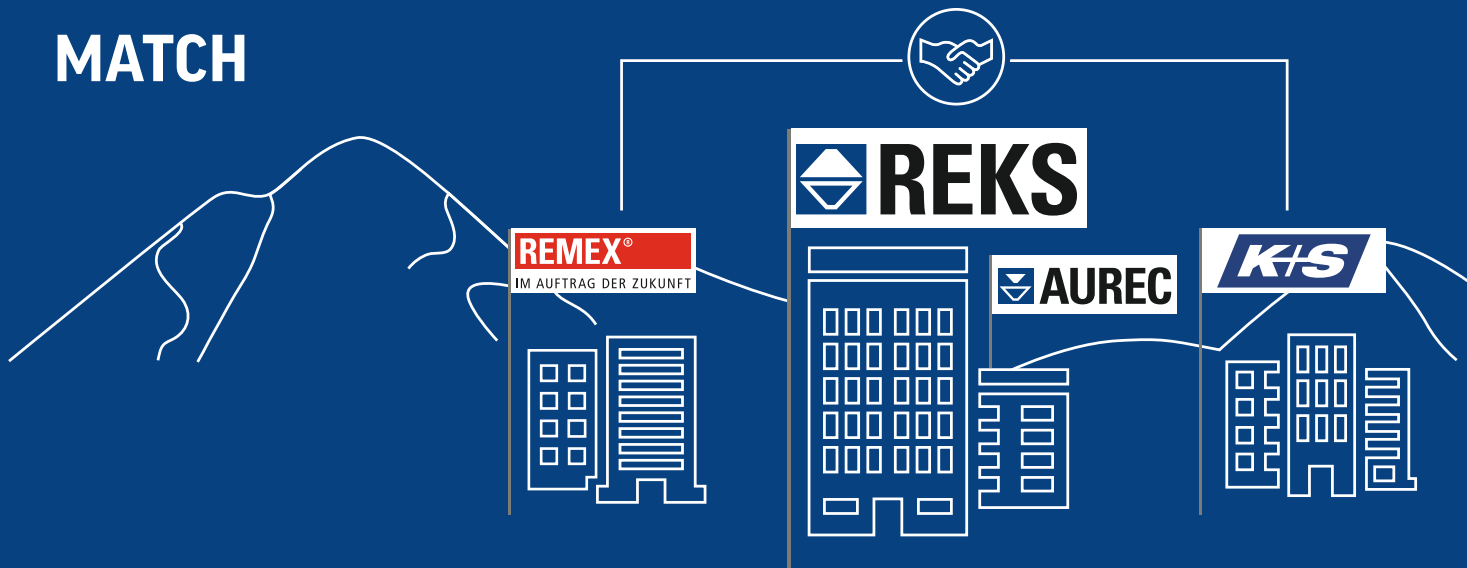


WE CREATE PERSPECTIVES

STRONG MATCH



Together we are even stronger

As a joint venture between the companies K+S and REMEX, we offer our customers a wide range of sites, technologies and processes as well as a wide spectrum of services that is unique in the industry in the areas of underground disposal, covering of potash tailings piles and REKAL. Because the world is our most valuable resource, we do everything to find the most sustainable and environmentally friendly solutions. This is how we contribute to protection of the biosphere.

When it comes to the disposal of sensitive materials, it's all about expertise. And it's about trust. We offer you partnership, transparency, and long-term safety with our underground solutions.

AUREC Gesellschaft für Abfallverwertung und Recycling mbH, located in Bernburg, is a wholly-owned subsidiary of REKS and has specialized in the processing of waste for professional mine backfilling since 1992.

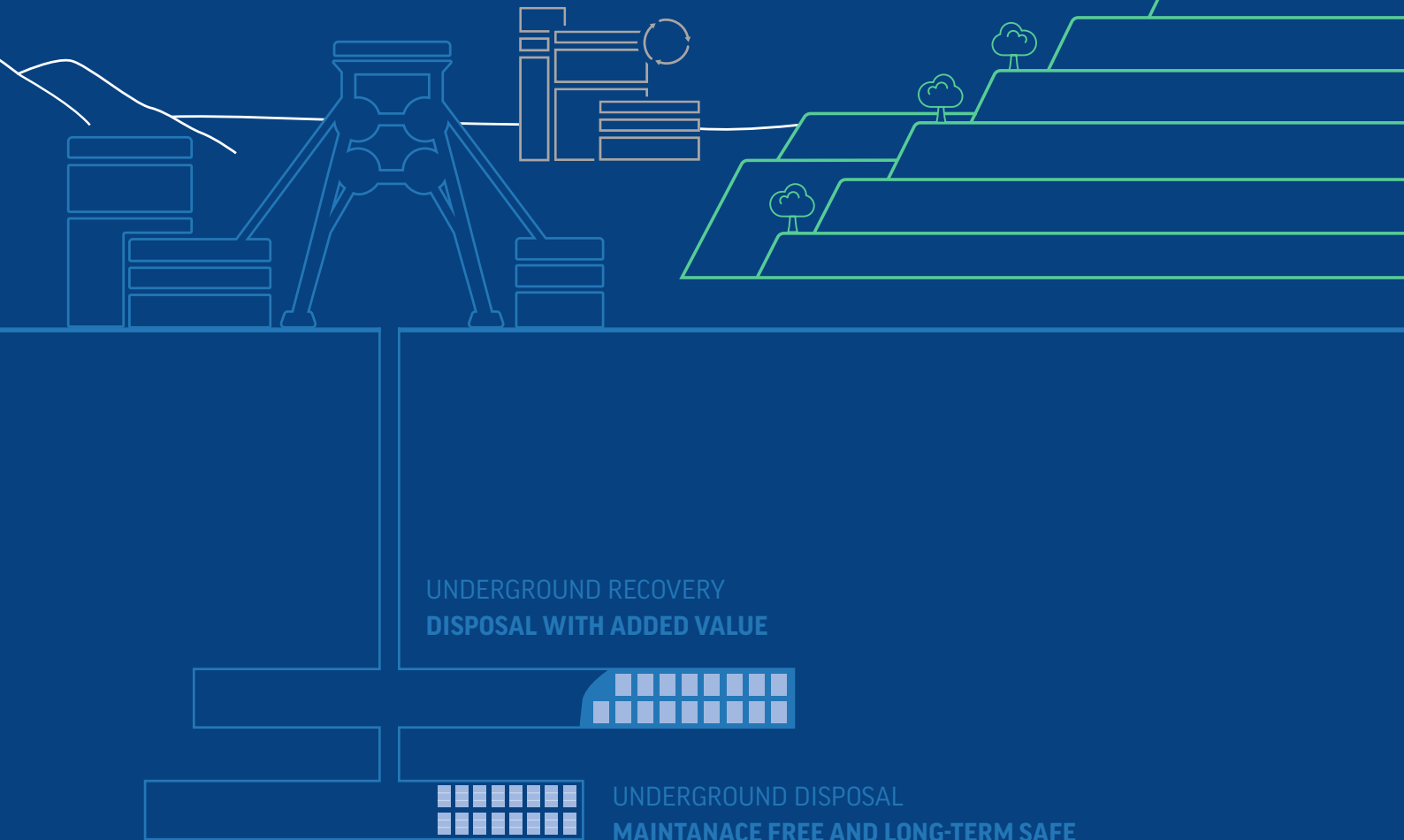
RENATURATION
PERMANENT GREENING

REKAL
RAW MATERIAL RECYCLING
ALUMINUM FROM SALT SLAG

COVERING OF POTASH TAILINGS PILES
PROFESSIONAL AND HARMLESS

UNDERGROUND RECOVERY
DISPOSAL WITH ADDED VALUE

UNDERGROUND DISPOSAL
MAINTANACE FREE AND LONG-TERM SAFE



WE DISPOSE SAFELY AND SUSTAINABLY

In our lives and work we leave behind residual waste, which is partly unavoidable. This makes it all the more important to take a responsible approach. We rise to the challenges and offer you the safest disposal solutions for your waste.

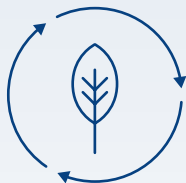
Solutions for waste management companies, local authorities and industrial companies

REKS stands for responsibility and sustainability, underground and above ground. We combine the traditional world of mining with the modern circular economy and offer innovative solutions based on recovery, disposal and recycling for incinerators and waste management companies, industrial companies and local authorities – optimally adapted to the needs of specific industries.

Certified

We are a EfbV-certified waste management company. Our expertise enables us to offer you the best and safest disposal solutions for your waste. The underground disposal sites and recovery facilities that we work with have all the necessary permits.

Our input to the circular economy and the environment



With the use of underground cavities, we contribute to a regulated waste management industry.



By covering and greening tailings piles, we ensure the long-term reduction of salt water runoff and create a new habitat for plants and animals.



By recycling residues, we conserve natural resources and valuable landfill capacities.

OUR SOLUTIONS

UNDERGROUND DISPOSAL & RECOVERY



REKAL

COVERING OF TAILINGS PILES



UNDERGROUND RECOVERY DISPOSAL WITH ADDED VALUE

In the underground recovery sites of K+S, we offer waste incineration plants safety in the disposal of their flue gas cleaning residues. A valuable contribution to our society.

Sealing off waste from the biosphere

We use stable and sealed geological conditions of underground deposits, dating back millions of years, for the reliable isolation of waste from the biosphere. At the same time, we use the structural and physical characteristics of waste for mining purposes and for securing disused mining claims.

We accept these waste residues

The disposal sites of K+S have an officially certified long-term safety certificate. The following waste is suitable for underground recovery:

- ✓ Flue gas cleaning residues
- ✓ Sewage sludge incineration ashes
- ✓ Contaminated soil and construction waste
- ✓ Bypass dust/bymix dust
- ✓ Sand
- ✓ Salt

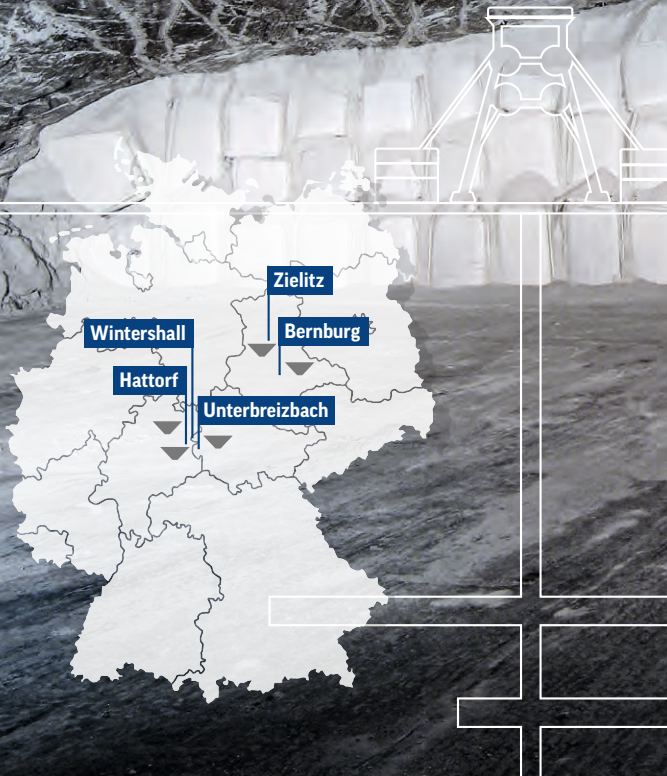


Guaranteed safety

We are an EfbV-certified waste management company.

Recovery following the Ordinance on Underground Waste Stowage

We check all waste based on individual material and geomechanically. This declaration analysis is the basis for approval of the recovery measure in accordance with the Ordinance on Underground Waste Stowage. The type of backfilling we use depends on the property of the waste residue and condition of the hollow space to be filled, for example stacking backfill, tipping backfill and slurry backfill.



UNDERGROUND DISPOSAL MAINTENANCE-FREE AND SAFELY OVER THE LONG TERM

Underground disposal sites are the best choice for hazardous waste. In decommissioned mining claims, at depths of 800 metres, we remove hazardous waste from the biosphere permanently and maintenance-free.

Organisation and documentation

From arrival to acceptance, monitoring and transporting to the storage location, through to the disposal in a multi-barrier system: Strict regulations are followed in the underground disposal sites. The storage location and time as well as the amount and condition of all waste are documented. In addition, a sample is stored underground in the specimen archive.

We accept these waste residues:

- ✓ Hazardous fibre waste
- ✓ Electroplating waste
- ✓ Hardening salt residues
- ✓ Arsenic, cyanide or mercury-containing waste
- ✓ Residue from the steel and metal industry
- ✓ Filtration residues
- ✓ Contaminated soil and construction waste
- ✓ Evaporation residues
- ✓ Filter dust

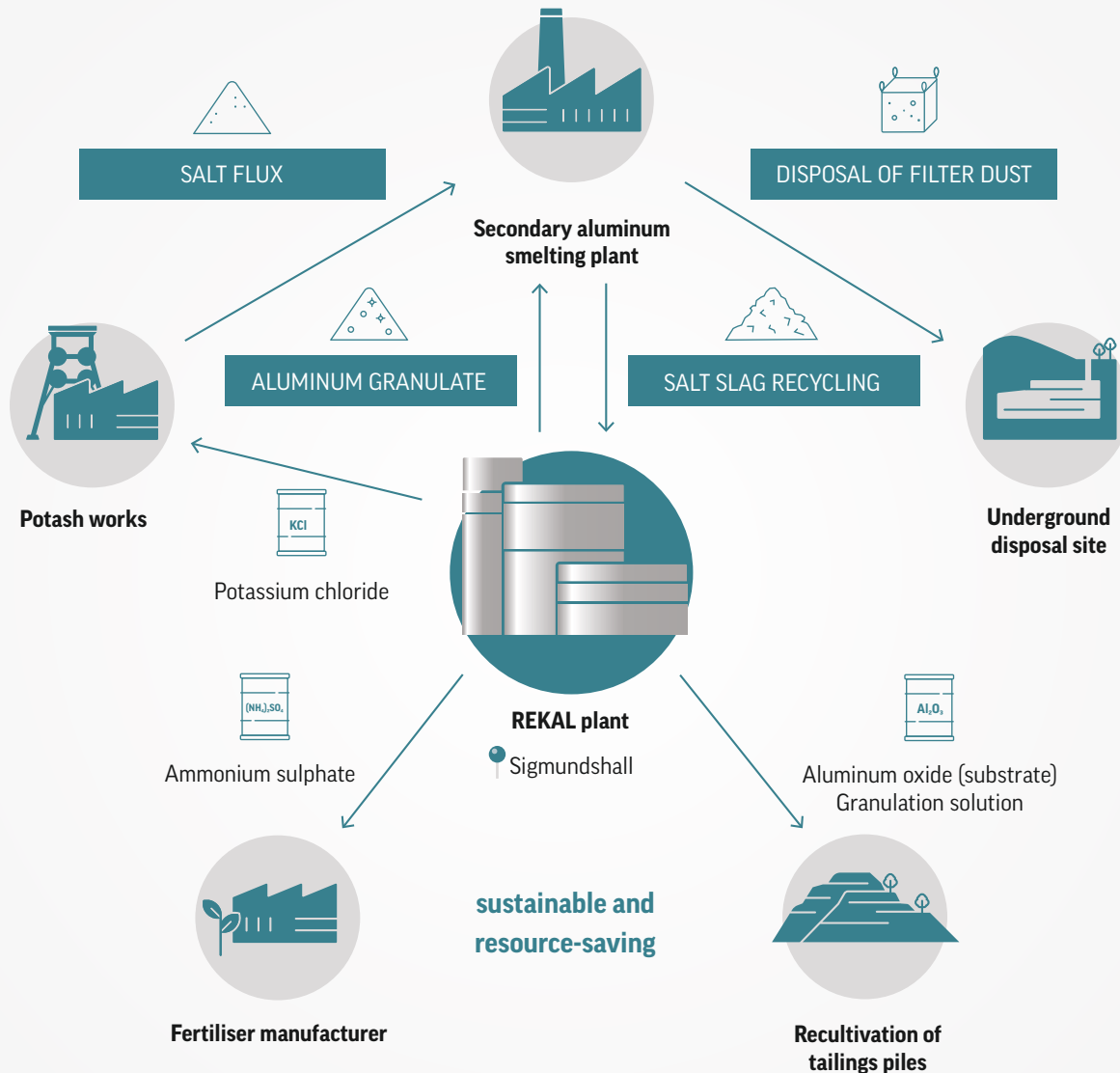


Protecting people and the environment

The contaminated substances are deposited well below the groundwater level embedded in thick layers of salt. This will protect people and the environment in the future.

REKAL | NOTHING GETS LOST

Every component has a use.



REKAL | COMPONENTS



The K+S REKAL plant is located in Sigmundshall and the raw materials for the salt flux are extracted in Zielitz.



Covering of potash tailings piles

The aluminum oxide is mixed with ash from coal-fired power plants to form a greening substrate which is then used to cover the Sigmundshall tailings pile. It takes only a year for the cover layer to become fully planted thanks to the nutrients it contains.

Fertiliser manufacturer

Ammonium sulphate is sold to the fertiliser industry in bulk. The markets are in Europe and overseas. Our shareholder K+S processes the ammonium sulphate from the REKAL plant to make SoluAMS® fertiliser, for which worldwide demand exists.



The aluminum granulate is further processed by the secondary aluminum industry by smelting it to create new aluminum products.

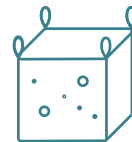
Did you know that...

...the proportion of secondary aluminum produced in Germany is now greater than that of primary aluminum



Disposal of filter dust

A small proportion of the filter dust produced by the secondary aluminum industry can be recycled, but the majority is disposed of in big bags buried in underground disposal plants to ensure long-term safe disposal.



High-quality salt flux

Montanal® and Alasal® are ideally suited for producing secondary aluminum thanks to their low moisture content and precisely determinable melting point. Large quantities are available at any time.

MONTANAL®

ALASAL®

COVERING OF TAILING PILES PROFESSIONAL AND HARMLESS

REKS combines the market and material expertise of REMEX with the know-how of K+S and contributes to sustainable solutions in the area of tailings piles management.

Reduction of saline tailings water

The aim is to reduce the formation of salt water at the K+S tailings piles. To achieve this, various covering methods that take account of the respective local conditions must be developed, applied for and implemented.

Market expertise

REKS contributes specialist knowledge and market expertise to the processes and is the contact for customers, partners and interested parties. With its REKAL business, REKS also makes an important contribution to covering the Sigmundshall tailings pile.



REKAL plant



**Recultivation of
tailings piles**

RECULTIVATION OF TAILINGS PILES

PERMANENT GREENING

Stockpiling is the world's most common practice for the extraction of potash salts. To offset the impact on the environment, we are actively involved in the area of reclamation of tailings piles.

An ecologically worthwhile solution

Value creation and environment protection are not mutually exclusive. Environmental impacts in potash mining are reduced by greening the tailings piles.

- ✓ **Reduction of saline water:** Rainwater saved in covering layers are released back into the atmosphere
- ✓ **Conserving natural resources and landfill capacities:** by the recovery of waste residues within the covering layers

- ✓ **Increasing biodiversity:** Greening creates a new habitat for plants and animals
- ✓ **CO₂ saving:** by avoiding the extraction of natural resources for the covering layer

Did you know that...

...you can already find more than 200 types of plants on the tailings pile in Friedrichshall





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