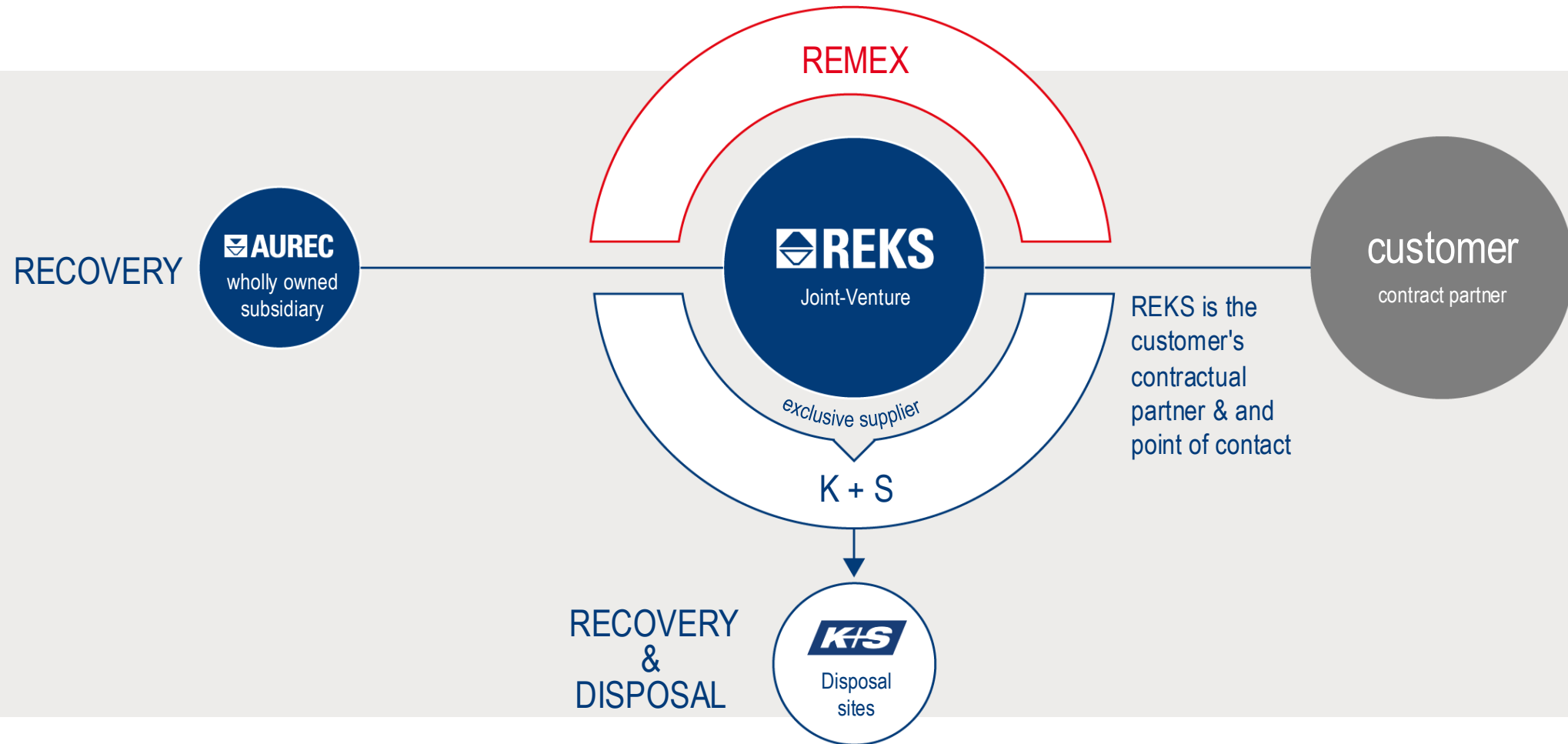


A wide-angle photograph of an underground mine. The scene shows a dirt road leading into the distance, flanked by rough, layered rock walls. A yellow dump truck is parked on the right side of the road, facing away from the camera. The lighting is dim, with some light reflecting off the wet-looking ground and the rock surfaces.

This is REKS
Responsible and sustainable waste management

Shareholder structure – a joint venture of equal partners



The locations of REKS-Group

REKS

REKS is located in Dusseldorf, with a further administrative location in Kassel. The company has approx. 50 employees and is organized into Finance & Controlling, Marketing & Communications, Supply Chain Management, Technical and Sales Departments

AUREC

AUREC, located in Bernburg, is a wholly- owned **subsidiary** of REKS and specialised in the processing of waste for professional backfilling



Capacities of the plants

Capacities (in tons / year)

Underground disposal	Zielitz	15.000
	Herfa-Neurode	80.000
Underground recovery	Zielitz	65.000
	Bernburg	356.000
	Hattorf/Wintershall	220.000
	Unterbreizbach	220.000



Underground waste recovery

With **underground recovery**, we make a valuable contribution to our society. We offer safe disposal of air pollution control residues for numerous waste incineration plants.

For the permanent securing of cavities underground, the filling material must meet certain structural properties. While some types of waste bring the required properties directly with them, others are conditioned through the combination of suitable components.



Stacking backfill, Hattorf-Wintershall



Slurry backfill, Unterbreizbach

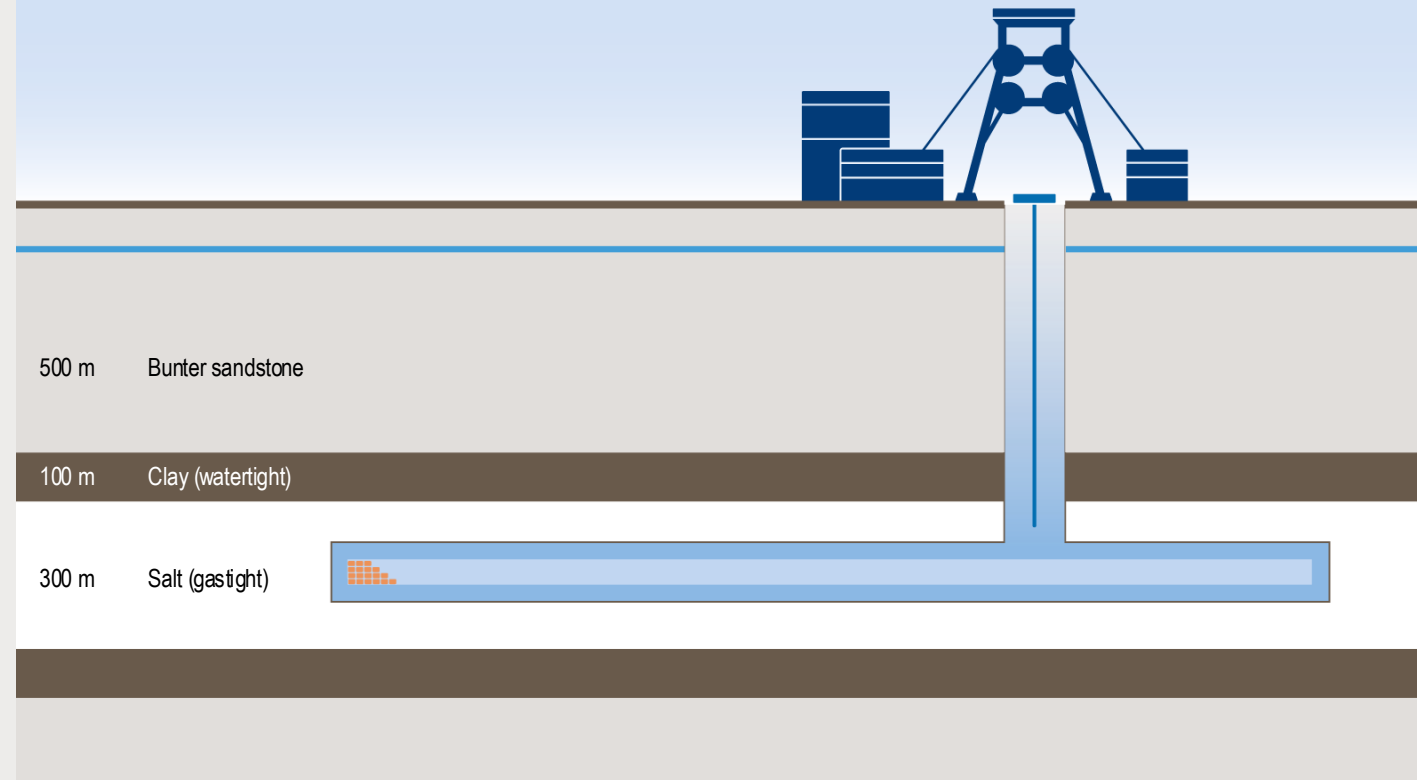


Tipping backfill, Bernburg

Underground disposal plant

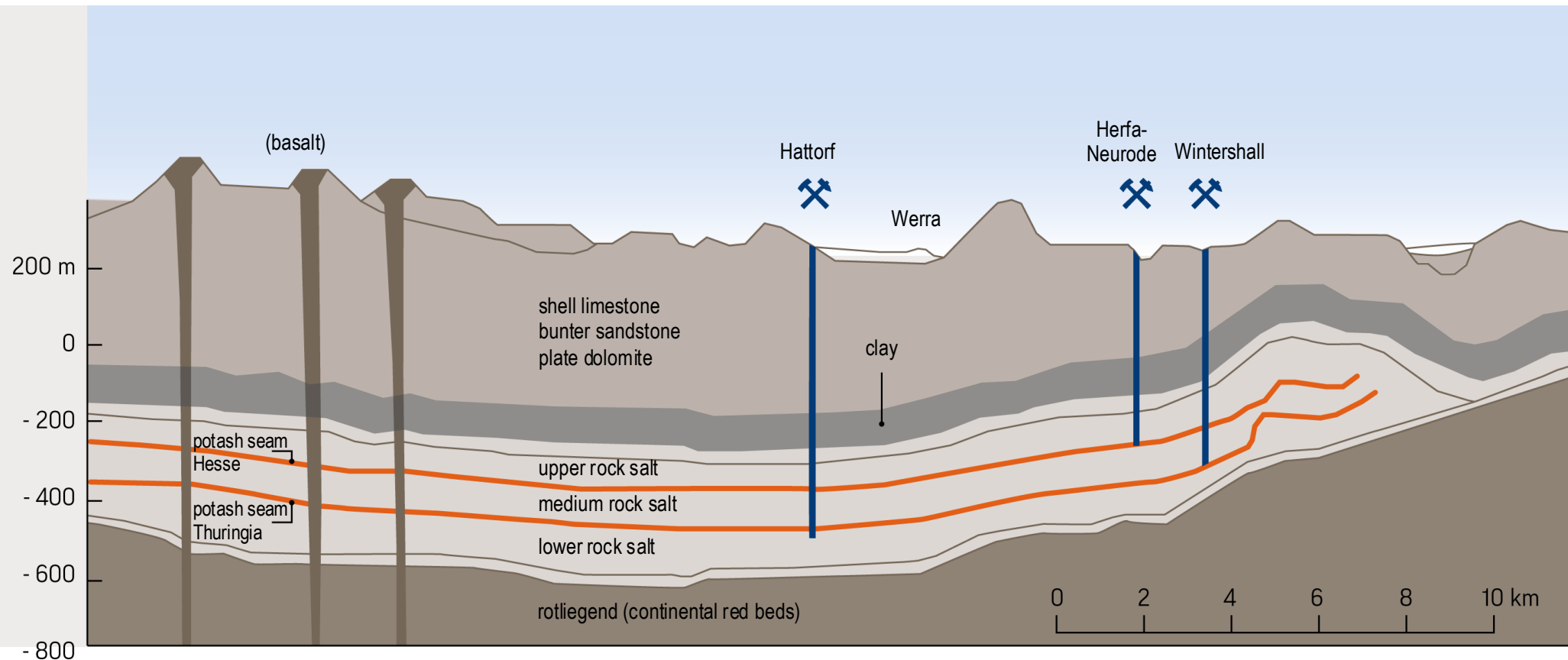
We offer safety underground

Your waste is best taken care of in the **Underground Waste Disposal Plants**. There is no better solution. In mined mining fields, at depths of up to 800 meters, the natural geological conditions offer the safest place for dangerous substances



Geology (exemplary Werra plant)

Thickness of the gas-tight deposit up to 500 meters





UTD | Multi-barrier-system

Natural barriers

- salt (gastight) 300 m
- clay (watertight) 100 m
- other rock layers 500 m
 - plate dolomite
 - bunter sandstone
 - shell limestone

Artificial barriers

- waste packaging
- chamber system with brick walls
- ramparts and dams
- sealing and long-term- safe filling of the shafts

Werra | Pit outline underground landfill (exemplary)





Underground waste disposal process

1. Arrival at the disposal site

Your waste must be packed into barrels, big bags, steel sheet containers or cage boxes. They reach the underground disposal sites of K+S by lorry or train. Unloading of sea containers is also possible in Zielitz. In Herfa-Neurode we also accept dusty waste delivered in silo lorries. They are placed on site in big bags.



Underground waste disposal process

2. Acceptance and check

Following high safety standards, all specifications are checked during the acceptance stage. Staff on site check the completeness of accompanying documents, declaration and packaging. Before the waste is landfilled underground, a retention sample is extracted for storage.



Underground waste disposal process

3. Transport to the storage location

The waste is transported many hundred metres below ground using a winding shaft. Special-purpose vehicles bring them to the storage location underground, which is often several kilometres away from the shaft. For safety reasons, different substance groups are also stored in different areas.



Underground waste disposal process

4. Disposal in multi-barrier system

At its destination, the waste is stacked in storage chambers. The multi-barrier system applies to landfilling: If a storage chamber is filled, it is sealed off with brick walls or salt walls.



Underground waste disposal process

5. Organisation and documentation

In the underground disposal sites of K+S strict regulations are followed. The storage location and time as well as the amount and condition of all waste are documented. In addition, a retention sample is stored underground in the specimen archive. This makes it possible to track where the substances are stored at all times.

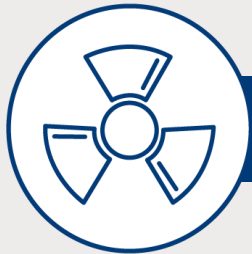


UTD | examples of waste types

- hazardous fibre waste
- electroplating waste
- hardening salt residues
- arson, cyanide or mercury-containing waste
- residue from the steel and metal industry
- filtration residue
- contaminated soil and building rubble
- evaporation residue
- filter dust

Exclusion criteria

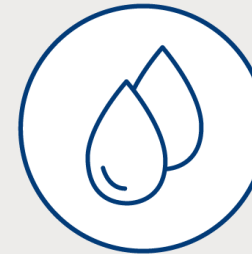
Waste with one or more of the following properties will NOT be accepted by any of the K+S sites.



Radioactive



Infectious

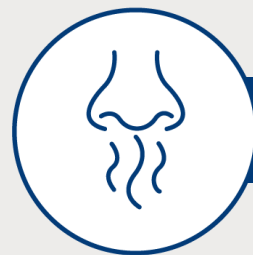


Liquid

Under backfilling conditions:



Explosive



Malodorous

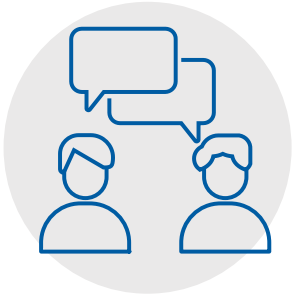


Highly Flammable

Procedure of order in the UTD



We offer solutions for the entire disposal process



Comprehensive consultation

Our Key Account Managers are experts in all aspects of waste management. We also offer contacts in other European countries



Careful analyses

We cooperate with certified laboratories and assessors to obtain the necessary analysis for the approval process



Support in the approval process

We are familiar with the relevant official requirements and support our customers in the process of disposal certificates or notifications.



Safe transport and suitable packaging

The appropriate transport and packaging requirements are subject to the verification or notification procedure. If necessary, our experts will coordinate the transport and provide support in procuring the necessary packaging materials



Security & certification

With our solutions, we offer the highest safety standards which are maintenance free for our clients. Both we as REKS and our recovery and disposal solutions are certified according to EfbV.

Our references

For many years we have been disposing the waste of these and many other customers from the waste incineration and industrial sectors in Europe reliably and safely



AVG Köln



GMVA Niederrhein



LyondellBasell



EEW Energy from Waste



MHKW Rothensee



BASF SE



A2A Ambiente Spa



Thommen-Furler Group



PCC Rokita SA



Aurubis AG



Paprec Group



Veolia
VALINEA Montbéliard

THANK YOU
FOR YOUR ATTENTION

Alexandra Gantois and Pedro Casares