

# Remediation work to recover lost ground



> REMEX remediation services

Restoration of former industrial sites including management and treatment of soil and construction and demolition waste

## New value from contaminated sites

Land is a scarce commodity. Therefore, the reuse of derelict sites as construction land is becoming increasingly important. In the case of former industrial sites, the soil as well as the remaining buildings are often heavily contaminated, which makes land remediation complicated and costly. Among the most frequent challenges are the location in densely built-up urban areas, the creation of construction rights, the consideration of heritage protection and the containment of emissions such as dust and noise.

REMEX systematically implements the principle of resource conservation in its remediation of land and contaminated sites



### All building blocks for success

The basis for successful remediation lies in the coordination of diverse and at times contradictory requirements. Cost assurance and prompt completion are just as important for investors as the proper execution and documentation of the work. They form the basis for the official confirmation of the successful remediation and for the commercialisation of the site.

On the other hand, the concerns of environmental protection, occupational health and safety, and the technical requirements for subsequent use must be taken into account appropriately across all processes.

### Individual concepts provide the basis

We accompany our clients from the first step. In the case of an area with suspected site pollution, we first determine



possible contamination focal points by means of historical research in order to then examine these more closely on site. As soon as the results of the soil and building analyses are available, we develop various remediation options together with the client, taking into account economic and ecological aspects. The final concept is then submitted to the authorities. We accompany the client throughout the entire process until the remediation permit has been issued.

### **Controlled building demolition**

In order to achieve high recycling rates in remediation measures, the dismantling is carried out step by step. To protect people and the environment, all contaminated materials are removed first. Only then does the actual demolition work begin in a controlled manner, during which the individual waste streams are collected separately. This facilitates the subsequent recycling of the minerals.

### **Streamlined project flow**

In all types of remediation projects, it is essential that every obstacle is removed quickly and conclusively. Only then can the various measures be carried out efficiently without

losing time and financial resources. That is why as a full-service contractor, we offer investors and project developers the option of complete project management from a single source. The work on site is carried out by experienced specialists. Accident-free operations and preventive occupational safety are of utmost importance to us.





### Optimum treatment of soil

As part of its remediation activities, REMEX offers the storage, transshipment and treatment of contaminated soil in its own specialised facilities. The treatment options available in recycling facilities within the REMEX network include microbiological treatment, mechanical processing and stabilisation or solidification.

### Reuse as the guiding principle

The reuse of mineral waste is a central element of successful site remediation and sustainable soil management. Thanks to an extensive network of facilities for the processing of soil and construction rubble, we are able to optimise both disposal routes and recycling rates. If the mineral waste cannot be recycled despite our processing technology, it is disposed of in appropriate landfills or used as stowing material in underground stowage facilities.

From major projects to smaller remediation measures: REMEX turns derelict land into attractive construction area



[cdm-waste-recycling.remex.de](https://cdm-waste-recycling.remex.de)



Learn more about our possibilities for the recycling of soil and construction waste on our webpage.

# Complete project management

Within the scope of remediation projects, we accompany our customers throughout the entire project. Our services start as early as the conception phase. With a view to subsequent use, we offer our customers individually tailored solutions and, where desired and required, carry out the following individual services as a full-service contractor.

## 1 Examination of the actual status

Deployment of qualified experts, inspection of files, exploration of the site by drilling and excavation, sampling, analysis of pollutants, preparation of status reports and risk assessment

## 2 Definition of remediation targets

Coordination meetings with the responsible authorities, clarification of the waste management options, preparation of a waste stream and logistics concept

## 3 Development of the remediation plan and monitoring of the approval procedure

Determination of a cost-effective solution, comparison of variants, preparation of the remediation plan as well as the demolition application and deconstruction process, management of the approval procedure

## 4 Remediation work

Deconstruction of old buildings, deep rubble clearance, excavation of soil, removal of contaminated material, recycling of construction materials, dewatering/water cleaning, erection of safety structures

## 5 Preparation for construction

Treatment of existing soils for reinstatement on site and delivery of recycled aggregates as well as clean, geogenic soils, site development works

## 6 Documentation

Expert monitoring, documentation of soil management, waste management documentation, execution of laboratory and field examinations





WORKING FOR THE FUTURE

Being a specialist for managing and recycling mineral waste as well as for remediation work, underground stowage and landfill operation, REMEX is part of the REMONDIS Group, one of the world's largest recycling, service and water companies. The company group has branches and associated businesses in more than 30 countries across Europe, Africa, Asia and Australia. With over 30,000 employees, the group serves around 30 million people as well as many thousands of companies. The highest levels of quality. Working for the future.

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