

Soil Remediation

ready for the resource revolution



SUEZ

A few of our remediation projects



► A few of our remediation projects



WORLD EXPO 2015 - MILANO

Contamination: Hydrocarbons, solvents, asbestos
200,000 T off-site waste treatment of contaminated soils



THE AVENUE PROJECT - CHESTERFIELD

Contamination: Tars, hydrocarbons, heavy metals, asbestos.
Excavation, sorting and treatment of 3,500,000 T of contaminated soils
450,000 T treated in a thermal desorption plant on site, fully designed and operated by SUEZ Remediation



UCB - LE ROEULX CONTAMINATION

Contamination : Acid tars, hydrocarbons, heavy metals, asbestos.
Excavation, sorting and treatment of 24,000 T of acid tars and 200,000 T of contaminated soils

International references

More than **30** years experience

400 remediation experts

2 million tonnes treated/
year

20 treatment facilities in
Europe

A variety of **mobile** treatment unit

500 remediation projects/ year

SUEZ supports over **100** countries



the group expert



SUEZ is an industrial group that provides environmental services and solutions to preserve resources. SUEZ has an extensive know-how in water treatment and waste recovery.

For the past 30 years, SUEZ Remediation has provided industries and local authorities with its expertise and services in a complete range of remediation activities to improve water quality and enable new land development projects to be launched.



Soil as a resource

remediation of polluted sites and soils

Redevelopment

Recovery

Protecting

Monitoring

Advise

Treatment

Analyse



Remediation of contaminated sites

► In situ & groundwater remediation services

In situ treatments do not require excavation. Combining conventional and innovative processes, some of which are patented, we can treat all types of contaminant, from hydrocarbons to perchlorates. Soil and groundwater can be restored at the same time or separately.



► Engineering and design for large land remediation projects

When faced with complex and heavily contaminated sites, our comprehensive expertise enables us to deliver safe, reliable, high-quality services that are economical and ecological. Our fully-integrated pilot tests guarantee successful outcome for every project.

► Site evaluation, management plans & risk assessments

Studies including modelling and complex calculations quantify the impact of pollutants on groundwater, soil and air. Cost-effective actions are defined with environmental authorities.

► On-site remediation services

After excavation, soil is treated on site using a variety of methods:

- Stabilisation / Solidification
- Washing
- Thermal desorption
- Biological treatment

We can also design, build and operate our mobile units.



► Off-Site remediation services

We provide a comprehensive solution including soil excavation and the following services:

- Identifying excavated soils for cell by cell analysis
- Providing temporary storage if required
- Identifying the best treatment method
- Managing and optimising logistics
- Providing complete traceability

We operate a network of more than 20 fixed soil treatment facilities in Europe.





► Site remediation

- Environmental audits
- Equipment for treatment in situ, on site
- Waste treatment plants off site
- Registration Environmental Manager
- 8A-Brokerage
- 9A-Environmental Remediation
- 10B - Asbestos removal
- SOA work categories :
- OG12
- OS14

► Recovery

A recovery approach suits perfectly mineral materials, as it can bring financial and environmental substantial benefits, from local re-use to recycling facilities, in a controlled manner.



► Logistics & supply chain

Our specialist team optimises multimodal transport for international soil transfers and provides a complete range of services including the administrative procedures necessary for compliance with local and European regulations.



Safety and quality are close to our heart

Working safely with respect for population and environment, whilst delivering high quality work, are guiding principles for our activities. All our activities take place in compliance with our integrated care system, which is certified according to the following standards :



- ISO 9001 certification guaranteeing quality service for our customers and the ability to meet all requirements



- ISO 14001 guarantees that we work with respect for the living environment.



- OHSAS provides a framework for our company to identify and control our health and safety risks, reduce the potential for accidents, comply with legislation and improve operational performance



- EMAS is a system for our company that is interested in reducing pollution to report, judge, and improve our performance



Sustainable development

The decontamination of polluted sites, the remediation of contaminated soil for recycling and the purification of groundwater for the protection of our drinking water form part of the circular economy. SUEZ' activities are carried out as certified by the CO2 performance ladder (level 3) while contributing to achieving a sustainable society.

Our Plants In Europe

UNITED KINGDOM

SUEZ RR UK
Grenfell Road
MAIDENHEAD SL6 1ES

FRANCE

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17 Rue du Périgord
69330 MEYZIEU
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30127 BELLEGARDE
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**MULTI-PURPOSE PLATFORM
PROJECT, DESIGN
IN SITU, ON SITE REMEDIATION
D9 - PRE -TREATMENT
D1 HAZ AND NOT HAZ , ASBESTOS**

THE NETHERLANDS

SUEZ RR IWS Remediation
Isotopenweg 15
3542 AS UTRECHT

**MULTI-PURPOSE PLATFORM
PROJECT, DESIGN
IN SITU, ON SITE REMEDIATION**

BELGIUM

SUEZ RR IWS Remediation
Westvaardijk 83
1850 GRIMBERGEN
Tel +32 (0)2 257 18 11

**MULTI-PURPOSE PLATFORM
SOIL WASHING
IN SITU, ON SITE REMEDIATION**

GERMANY

SUEZ RR IWS Remediation
Sudstrasse 41
44625 HERNE
Tel +49 (0)232 59 49 00

DESORPTION

SWEDEN

SUEZ RR SWEDEN
Hov Sofielund
312 94 LAHOLM



SPAIN

SUEZ IBERICA
Poligono Industrial Serrallo
12100 CASTELLON DE LA PLANA

**D9 - PRE -TREATMENT
D1 HAZ AND NOT HAZ , ASBESTOS**

ITALY

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Via Cristina Belgioioso 70/30
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**MULTI-PURPOSE PLATFORM (storage, disposal, treatment and recovery
of hazardous and not hazardous, solid and liquid industrial wastes)
WASTE CROSS-BORDER TRANSPORTATION
IN SITU, ON SITE, OFF SITE REMEDIATION**

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