SUEZ

The global solution for remediation and rehabilitation of polluted sites

24/09/2018

activity/expertise and/or geographical scope
1. Organisation
2. Products & Services
3. Key Projects
1. Organisation
SITA, Degrémont, Agbar, Aqualogy, Lyonnaise des Eaux, United Water, Ondeo Italia, Ondeo CZ, Ondeo IS, SAFEGE and all the companies in our Group, now form just one:

all over the world, with concrete solutions to address new resource management challenges.
Western Europe subsidiaries: 110 M€ 360 employees
More than 25 years of experience
SUEZ, 25 years experience in soil treatment and remediation

20 treatment or storage sites (mainly in B, NL, D and F but also in Italy and Spain)

Customers: private (oil refineries, steel producers…) + public sector

⇒ Important actor on the international market
⇒ one of the market leaders in Europe!
2. Products & Services
All types of contamination

Soil Treatment:
- Biological
- Thermal desorption
- Physico-chemical
- Stabilization

Soil Remediation:
- Conventional remediation
- In-situ remediation
- Groundwater treatment
- Isolation
- Innovative techniques
- Brownfields

Ex-situ/in-situ | International | On-site/off-site

Technical expertise | Treatment installations | Project management
On-site Treatment
Biological Treatment

Degradation of organic pollution by micro-organisms (mineral oil, BTEX)
Physico-Chemical Treatment Unit (Mobile)

Capacity: 10 to 15 ton/h          Runs: 24 h/day, 7 days/week
Area: 40 m x 40 m

All kind of waste can be treated (soil, sludge, …)

Contamination with heavy metals, mineral oil, BTEX, PAH, pesticides, cyanides, solvents,…
Contaminated substances are removed from the waste by soil heating (up to 500°C).

The volatilized contaminants are then either collected or thermally destroyed (at max. 1,100 °C).
Stabilization

Laboratory design of the specific stabilization formula

Different mixing technics

Controle on-site with mobile laboratory
3. Key Projects
NORWAY : Sola – Norske Shell

Treatment of 460,000 tons petroleum contaminated soil

Join Venture : SUEZ + T. Stangeland

Soil Contamination : different hydrocarbons

Treated area : ± 100 ha

→ On-site Treatment with :
  ○ Biological treatment
  ○ Mobiwash
  ○ Mobitherm
SPAIN: Galician Coast – “PRESTIGE”

Clean-up of 20,000 tons of sediments heavily contaminated with fuel → Mobiwash
ITALY: Augusta (Sicily) – Demont – Enel

Treatment of 40,000 tons of soil heavily contaminated with fuel

Biological treatment
THE NETHERLANDS: Ijmuiden – Corus Staal

Treatment of 30,000 tons of iron oxide sludge heavily contaminated with fuel → Mobiwash
France: Courchelette

Stabilization of acid tar,

5500m³ acid tar
17,000m³ polluted soil
Laboratory test, pilot and full scale
UNITED KINGDOM: The Avenue – Chesterfield-VSD

Treatment of lagoons contaminated with sulfuric acid, tar, mineral oil,… (high calorific content)

Thermal Desorption Unit (TDU): design + build + operation

Capacity: 25 tons/h
QATAR: Al Karaana

Treatment of lagoons contaminated with mineral oil, industrial and urban waste,.....

TDU 15 tons /h

Revamping of an old TDU

Treatment of the most polluted sediment (> 50,000mg/kg)

Start: October 2018
How to contact us?

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