



Remediation and recovery of Contaminated Soils

Frederik Eventdt – General Manager
Séché Group Chile



Séché Group in numbers

35 years
of experience



100+ sites
with operations in
15
countries



4600
employees

22%
women



+3M tons
of waste processed
every year



675 M€
Turnover in 2020



60%
Hazardous waste
35%
Non-hazardous
waste



80 %
Industrial
waste



1000 GWh
energy generated

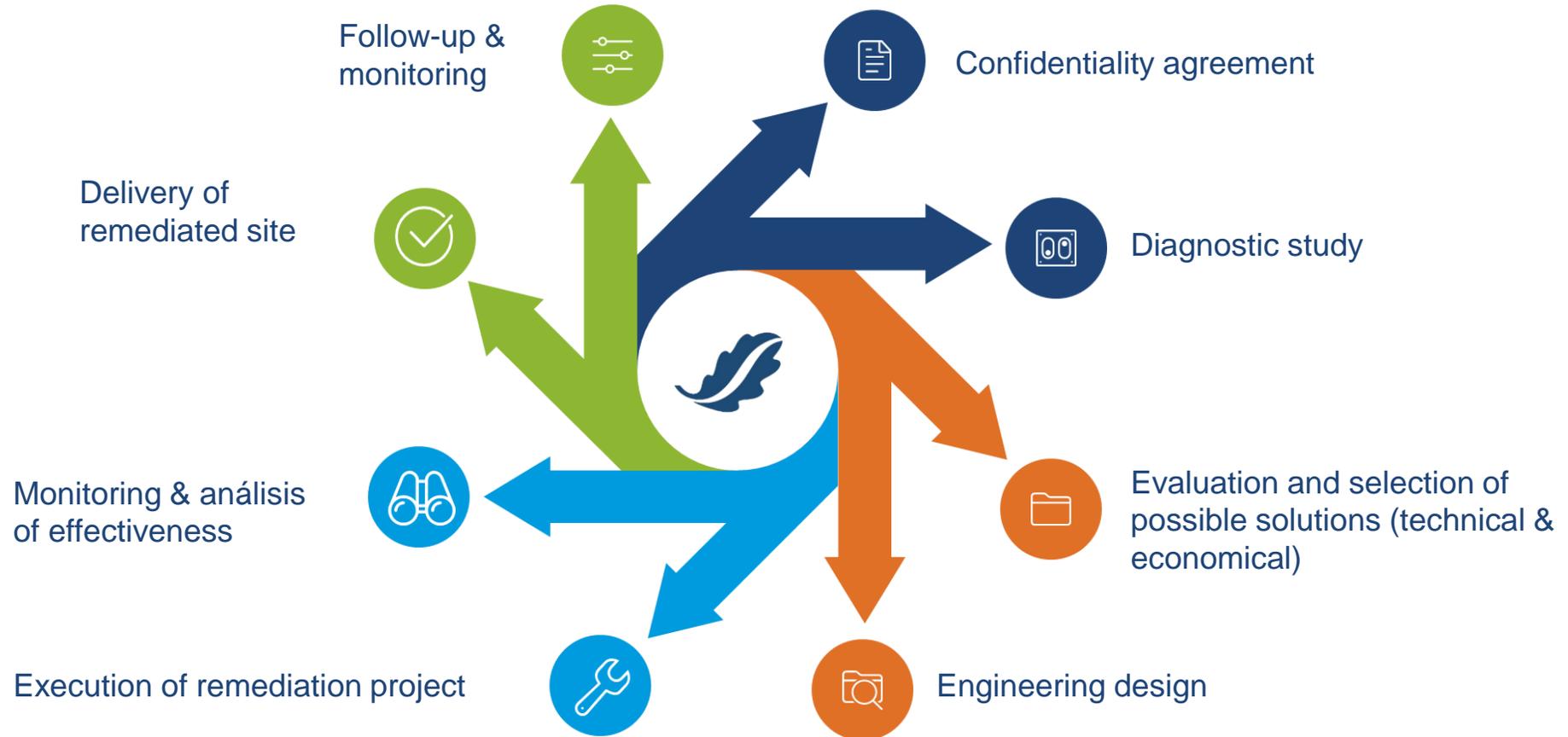


¿What is soil remediation?

- The concept of remediation relates to strategies and techniques employed to contain, treat and/or eliminate contaminations in soils, sometimes including operations necessary to reestablish the affected area (e.g. vegetation, fauna etc)

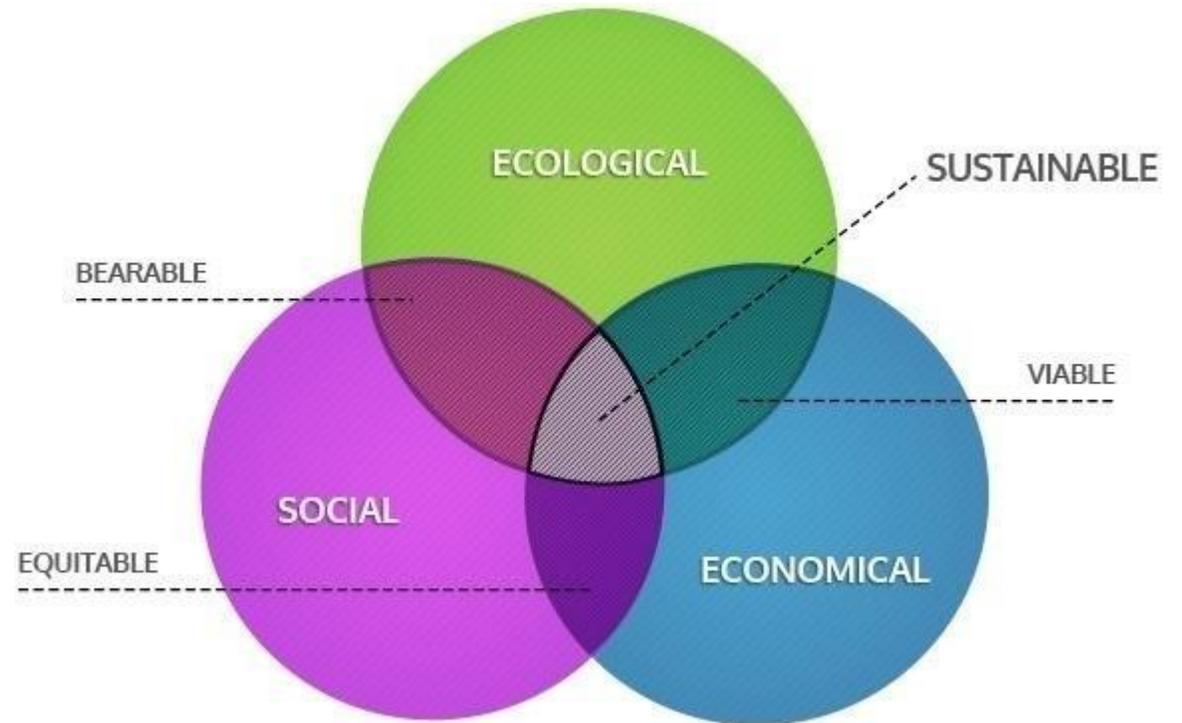


Key phases in a remediation project



Selecting a sustainable solution

- It's important to consider the social impact of the possible solutions and ensure community and political buy-in



Metropole Du Grand Paris Saint Denis

Context of Intervention

- Old industrial park from end of 19th century, where gas producing companies, left soils with traces of hydrocarbons, solvents and heavy metals – all in varying concentrations and depths
- Geotechnically challenging area
- Complex site location: surrounded by highways, metro line, Stade de France and a river



Metropole Du Grand Paris Saint Denis

Challenge and Actions

- Challenge: to decontaminate soils and underground Waters to rehabilitate the site (ZAC Plaine Saulnier).
- Actions:
 - 165.000 m3 of soil removed (equivalent to 50 olympic swimming pools)
 - 30.000 m3 of contaminated soils sent by river and road to off-site treatment and decontamination
 - The contaminated soil is replaced by recycled debris from the demolition part of the project, as well as with soils from the project that are tested to be clean.
- Execution period: October 2020 to November 2021.
- Cost: approx. 17 M€



Decontamination of Pharmaceutical company in France

Context of intervention

- This remediation project, located in the Center North of France, is part of a project to reconvert the activities of a pharmaceutical company
- The site had been used for industrial chemical activities, incl. barium and strontium, corticosteroides and pharmaceuticals for cancer treatments

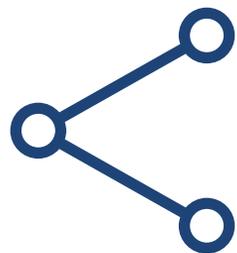


Decontamination of Pharmaceutical company in France

Challenge and Actions

- Challenge: Rehabilitate and remediate the site
- Actions:
 - On-site stabilization of approx. 5.000 tons of soils with mercury
 - Removal of underground infrastructure
 - Crushing and classification of concrete from pavement and foundations
 - Excavation of impacted soils and treatment
 - Build platform for temporal storage of material to be evacuated
 - Management of underground and rain waters on the site
 - Refilling of excavations and rehabilitation of area
- Execution: Ongoing
- Cost: Approx. 8 M€





Contacto



f.eventdt@sechegroup.com



Av. El Bosque Norte 211, Oficina 325
Las Condes, Santiago de Chile



WWW.SECHEGROUP.CL

