





REVUELTO, DAVID

Production Manager











CHARACTERIZATION AND MANAGEMENT OF LINDANE-CONTAINING WASTE AT AN ABANDONED LINDANE PRODUCTION FACILITY IN HUESCA PROVINCE (SPAIN). A SITE-SPECIFIC PROTOCOL DESIGN FOR WASTE CONDITIONING AND HANDLING FOR EXSITU FINAL TREATMENT

Sainz Gutiérrez, R., Net Ortega, J., Corujo Cristobal, J.M., Revuelto Palau, D.





PROUD PARTNER FOR MORE THAN A DECADE WASTE MANAGEMENT SOLUTIONS FOR INQUINOSA'S CONTAMINATED SITE







- Inquinosa's waste inventory
- **Laboratory reagent waste conditioning**
- Organophosphate waste conditioning
- □ Dismantling works of former Bailin's HCH landfill
- ☐ HCH waste management produced in the remediation activities of Bailín and Sardas sites





The existence of remaining raw chemicals and uncontrolled waste after closure of Inquinosa's lindane factory

Project key features





2017
| First conditioning works. Deteriorated big bags containing lindane powder and sweepings are conditioned inside airtight plastic containers (1400 litres capacity)

2021

Final conditioning works to meet transportation and acceptance criteria at destination for incineration















HEALTH & SAFETY

CONDITIONING

STORAGE





Workplace preparation



Indoor works to prevent particle dispersion

Former boiler room was selected as the operational building (ease of access and state of conservation)

Conditioning works were needed to ensure a proper containment zone

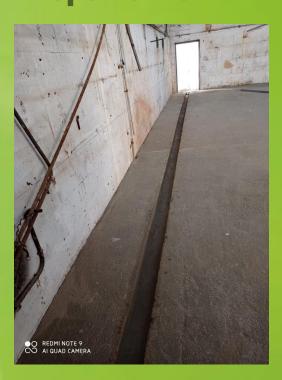
Softwall plastic bubble (negative pressure containment enclosure)



2-door transfer and isolation zone



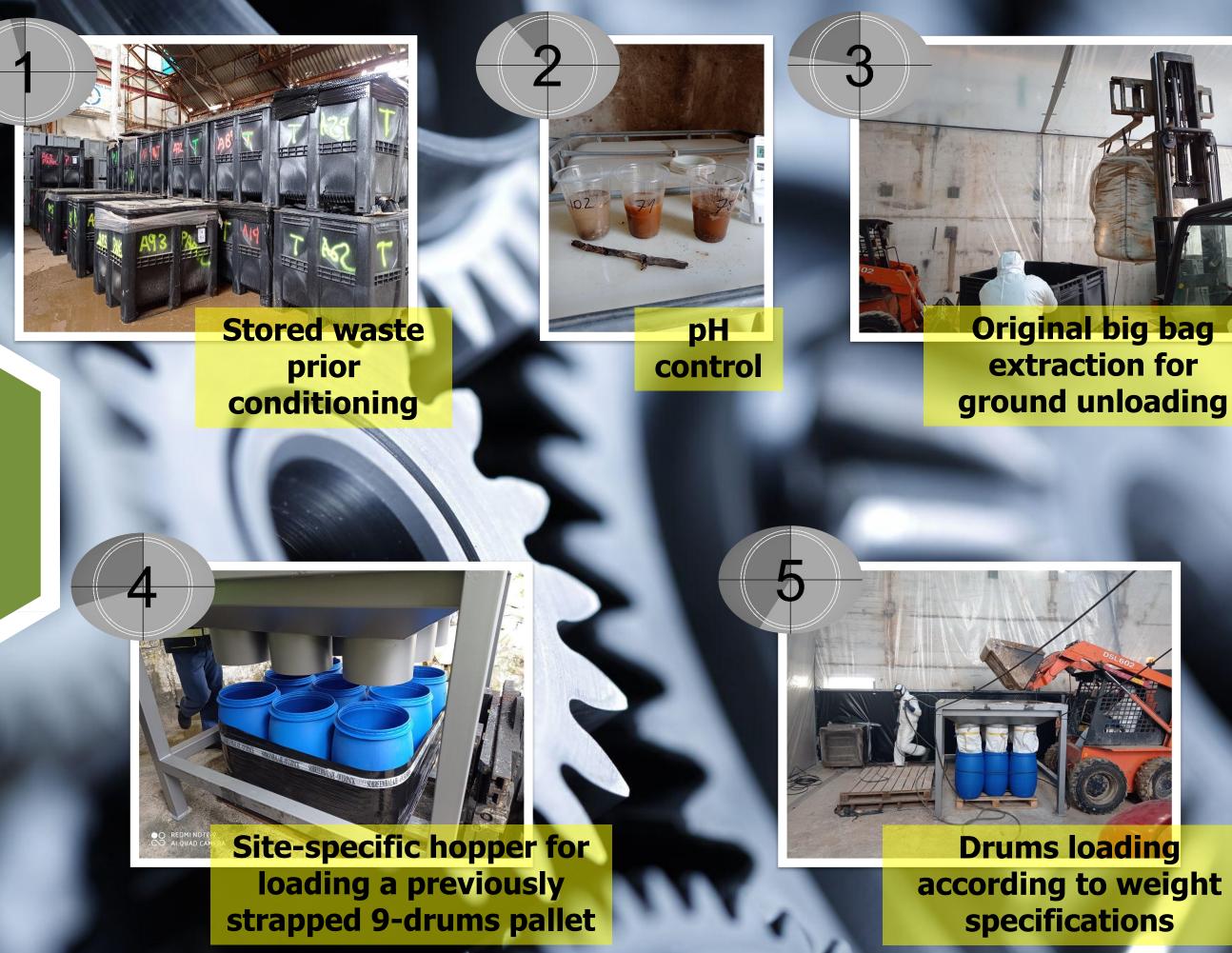
Leachate drainage system and repavement





Waste conditioning







≈1900 60L drums 208 pallets

Storage







Filling process according to weight specifications and pH status





- Safe work protocol
- Specifically trained personnel

H&S



- Exposure duration Max 6h/day
- □ Disposable PPE (Tyvek suits and gloves)
- Respiratory protection













Thanks for your attention

Ctra Valencia, Km 5,900 50410 Cuarte de Huerva - Zaragoza 976 504 040 david@adiego.com