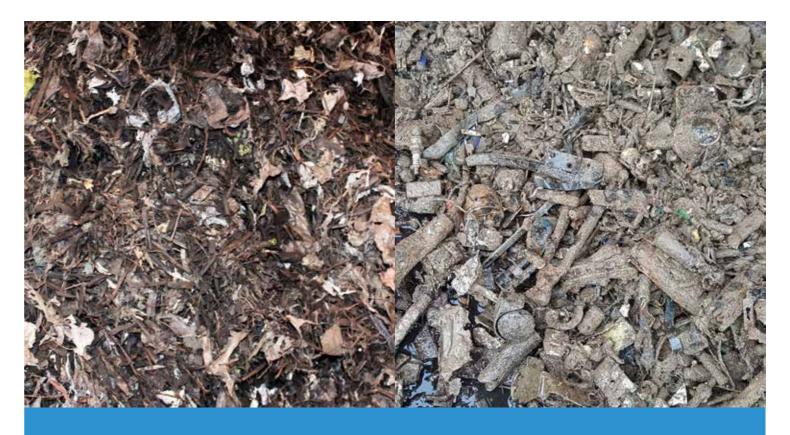




Headquartered in Velbert, Germany, the Doppstadt family firm was founded in 1965. While the company has its origins in developing agricultural machinery, Doppstadt today is a leading, globally active solutions and services provider in all areas of recycling/environmental technology and recyclables extraction.

customised end-to-end solutions chaoptimum efficiency, and maximum cost-effectiveness. Particularly in the areas of water-based separation systems and wet recycling, we impress portfolio.

"Best Solution. Smart Recycling." - our customers by providing flexible With this as our guiding principle, we systems to tackle every challenge. combine proven processes to create With locations in Velbert, Wülfrath, Calbe, and Wilsdruff, Germany, we serracterised by innovative processes, vecustomers in more than 40 countries through our own dealer network and offer comprehensive services for every product in Doppstadt's unique



LANDFILL MINING Process description

of soil and groundwater. But the main fraction using magnets. area. The recycling of metals and enerute to the profitability of landfill mining.

always worthwhile from an ecological excavated landfill material. Metals are point of view, achieving the remediation removed from the fine and the coarse

> again using a trommel screen to pro-150 mm. This fraction is than separated mining tips will not be considered here.

then be utilized energetically. The drum

This method mainly relates to municipal



The main reason for landfill mining is the provision of future construction area. If the landfill remains in service, its volume capacity is increased by removing the target fractions. Thus more waste can be deposited. Useful fractions obtained by processing landfill material are:

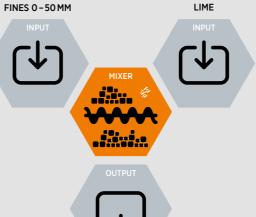
- **REFUSE DERIVED FUEL** (Oversize 150 500 mm)
- **REFUSE DERIVED FUEL** (Light fraction 50 150 mm, see picture above left)
- **RECYCLING** (ferrous metals, see picture above right)
- FINES AND HEAVIES WILL GO BACK TO LANDFILL

LANDFILL MINING PROCESS DESCRIPTION





PROCESS DIAGRAM



FINES 0-50 MM

SCREENING

For the secondary screening a trom-

mel screen is sufficient. It removes

the fines that would otherwise

contaminate the light fraction pro-

duced by the wind sifter.



- MIXER

Lime is added to the material in a mixer for it to be returned to the landfill.



WIND SIFTING

Low density materials such as plastic films are separated from the heavy fraction and represent an important target fraction of the process.

GENERAL VIEW OF MACHINES







SEPARATION/SCREENING





MIXING/HOMOGENIZATION

SEPARATION/SPIRAL SHAFTS SEPARATION/SCREENING

FLATFLEX LINE / SPLITTER LINE











MOBILE

SELECTOR

Selector 400 Selector 800.2

sws

Spiral shaft screen deck

518 518 FLEX

SM

SM 518.2 SM 620 Plus SM 620 K Plus SM 620 SA Plus SM 720 SA Plus **SELECTOR** Selector 800.2

DST

Star screen deck

AIRFLEX

AirFlex 1500

STATIONARY



Unit 325 Unit 425 Unit 625 SM SST

SM 518 A SST 518

SM 518 F SST 720

SM 620 A SST 725

SST 1025

SST 1525









Further processing

Further processing

Further processing



LANDFIL

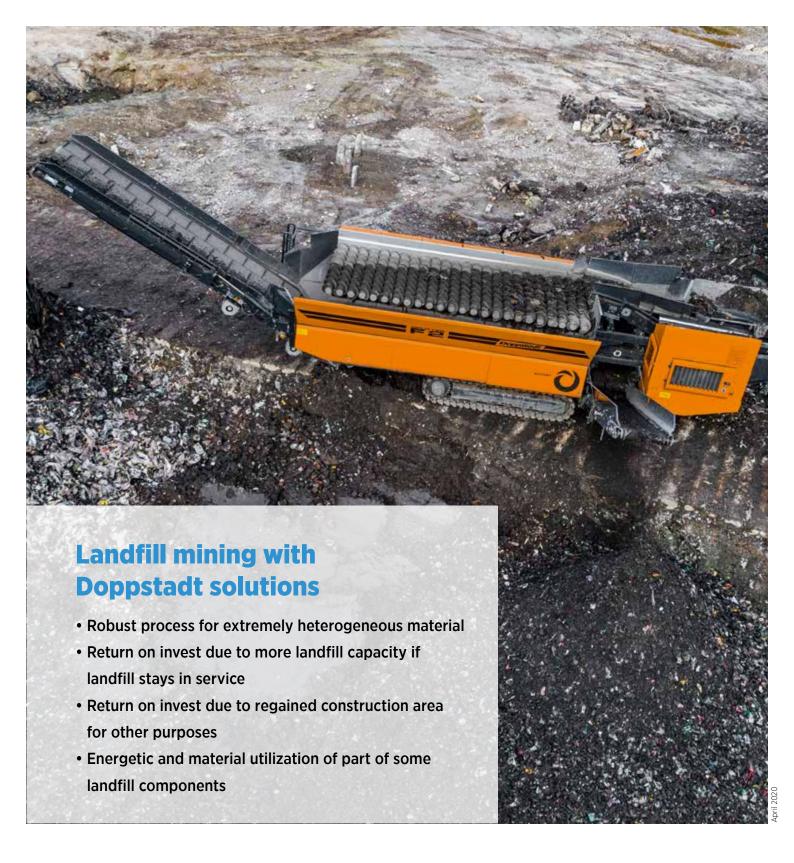
DM

DM 215 E

Further processing

LANDFILL MINING

MACHINE OVERVIEW





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