

Case Study

Energy from Waste Facility Baldovie, Dundee



Project Description:

Enabling works package for an energy from waste combined heat & power facility. This included provision of a stabilised piling mat within the main site as well as a compound and laydown area.

Key Works:	Structural Earthworks Soil Stabilisation Stone Import Minor Civils
Client:	Standardkessel Baumgarte
Date / Duration:	April 2018 / 12 wks
Topsoil Strip:	3,000m ³
Cut / Fill Volume:	10,000m ³

Project Challenges / GDL Solutions:

- Re-engineered contaminated on-site materials that were intended to go to landfill and be replaced with imported aggregates and provided a combined stabilised and stone piling mat, to achieve the required bearing pressures.
- Remediated formation by the use of cement stabilisation over an area of 4,000m² proposed for use as a laydown area, removing the need for material removal from site and replacement with imported aggregates.

Project Benefits for Client:

- 1,500 truck movements saved.
- Cost efficiencies through savings made on the reduction of the export of contaminated materials and the requirement to import stone.
- Volumes of materials recycled/re-deployed on the site and therefore diverted from landfill: 5,500m³.
- Significant financial and environmental benefits.



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EARTHWORKS



SOIL STABILISATION



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