

# Case Study



## Barling Landfill Site



3D pre-construction CAD illustration



Actual site installation

Client	Capacity	Location	Operational
EDL	1.7MWe	Barling LFS, Essex, UK	August 2005

  

Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy Ltd, UK	1 x 1.4MWe JGC 420 GS-L.L 1 x 0.3MWe JGC 208 GS-LL	Landfill Methane

Under a framework agreement with EDL Clarke Energy were commissioned for the installation of a number of full turnkey power generation plants at landfill sites across the UK. One such installation was at Barling Landfill site in Essex.

The site was commissioned through 2 phases. Initial design and consequential construction of the sites infrastructure was completed with the need for multiple engines. Universal engine container bases were installed enabling flexibility in engine size as the gas supply dictated.

The complete containerised package of the GE Jenbacher J420 engine cuts down on installation time and enables a smooth transition from delivery to REC connection. Full project control for Clarke Energy ensured a quick and trouble free job avoiding unnecessary delays often seen with less experienced contractors.

Unparalleled product knowledge and the experience of over 50 full turnkey installations are key benefits for any customer when selecting Clarke Energy. Consequently when phase 2 was implemented at Barling the full contract coverage undertaken during phase 1 ensured a smooth transition when the additional engine was installed.



Authorised Distributor  
GE Energy