



Project Fact Sheet

Topaz Petrol Filling Station, Kill, Co. Kildare.



PROJECT ABM Design and Build, Topaz Petrol Station

Project	Topaz Petrol Station
Value	€1,700,000
Client	Topaz Energy (Ireland) Ltd
Stage	Complete
Completion Date	July 2008
Description	Demolition and Design & Build of new service station including extensive external works.

FACTFILE

This project include the demolition and the design and construction of a new service station including extensive site works along with all ancillary site works and paving. The external works included the removal of the existing underground tanks, installation of new underground tanks and the co-ordination of all relevant specialist subcontractors associated with these works.

REQUIREMENTS

- Demolition
- Design
- Construction



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PROJECT DETAILS



As part of ABM's portfolio of work we have undertaken the role of design and build contractor within the petrol filling station sector.

The recent project for Topaz Ireland involved the de-commissioning of an existing service station facility and the construction of new forecourts, retail shop, below ground petrol storage tanks and associated fuel pumping equipment for both HGVs and cars. The site was located off the M7 at Kill Co. Kildare and the facility kept live during the construction phase of the project

The project consisted of the complete demolition of the existing structure and the safe removal and decommissioning on site of 3 no. fuel storage tanks along with the removal of an existing above ground oil tank. Extensive groundwork's and drainage, specific to the requirements of a service station, were carried out to ABM Construction's design. These included the installation of a 10,000 litre full retention petrol interceptor, by-pass separators, holding tanks, silt traps and interceptors for the car wash and an extensive attenuation tank to accommodate the site.

The external surface finishes to the development were concrete and marshal asphalt with areas of the site, in particular the fill points and pump areas, having individually contained drainage systems to control the spillage of fuel. During the design phase of the project ABM were in communication with both the Fire officer and local authority. On this particular project Topaz took responsibility for obtaining a petrol storage licence, though ABM have on previous projects successfully applied for and obtained Petrol licences for our clients. The development included both a HGV and car forecourt canopies; these were procured from the UK through a company called High Cross.

The site conditions provided many difficulties for the site team. These were the discovery of contaminated ground, the proximity of both overhead and below ground ESB cables, which required diversion, and a 10m way leave, accommodating a drainage culvert maintained by Kildare County Council, split the site in half. These issues, in addition to keeping the site operational, made the design and coordination of the works very challenging.

Within our organisation we have the managerial expertise, through our Contracts Manager, Shane McEaney, to successfully undertake this type of project. Shane worked previously with Maxol as their Property Development Manager and was responsible for the maintenance of existing and the development of new sites through the construction stage. Through this role Shane has extensive knowledge of the industry and a relationship with the major suppliers who serve this sector.



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