

# Case study 648

## Pump hire provided for industry leading contractor

When a leading specialist construction company was tasked with the planned demolition of a building, Sykes were contacted to provide a temporary pump hire package to facilitate the process.

Sykes Pumps regularly work alongside the industry's biggest contractors providing tailored pumping solutions to meet the needs of customers within the construction sector. The building in question required the removal of its basements slabs, which were approximately seven metres below ground level. The project hit problems however, as the newly created excavation rapidly filled with water approximately four meters deep, which increased the deeper they dug.

A Sykes engineer devised a practical solution after conducting a site survey and recommended deploying a 4" GP100M diesel driven pump complete with hoses as the best way forward.

The customer commissioned the pump four metres away from the hole and set up the discharge hose to pump the water 30 metres away into the nearest manhole. Once operational, the pumping arrangement ensured all working areas were kept dry throughout the duration of the project.

The pump rental was in place for a total of two weeks, with the equipment automatically discharging nuisance water whenever the hole filled up. By supplying our equipment immediately, all demolition works were completed on schedule.



**SYKES PUMPS** 

HIRE SALES SERVICE INSTALL

**0800 211 611**

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Weight 1011 kg with fuel / 907 kg without fuel

Dimension 1940 x 1450 x 1500

Performance Max head: 31 m / Max flow: 45 l/s / Max solid: 44 mm

Fuel Tank Capacity 69 or 122 litres. Max 24 hour with cleaning and flushing facilities

Fuel Consumption Typical fuel consumption on full load @ 1800 rpm: 3.7 litres/hour

Pipe Connections Suction: 4" table D, Discharge: 4" table D, Bauer couplings option: 4"

Noise levelTypical noise level at 1m = 94 - 98 dBA, Typical noise level at 7m = 77 - 82 dBA