

# Case study 633

## Sykes Pumps assist road bridge construction

With congestion on a large Maidenhead industrial site becoming increasingly unbearable, a solution was required to help alleviate traffic build-up. Local authorities had ordered the construction of a new road and bridge to tackle the issue, but this could not commence until groundwater had been removed from the area. The Environment Agency had ordered the digging of a lagoon which was specifically created to enable the safe discharge of water away from the building zone.

This occurred prior to our involvement in the project and preceded a site survey that would allow our Heathrow-based expert to propose a suitable pump hire package. Three 6" super-silent diesel units were recommended along with two settlement tanks and various lengths 6" of hosing. These pumps were specifically chosen because of their quiet operation – a crucial feature given that work was being carried out near a residential estate.

We were initially contacted by a multinational infrastructure group who were well aware of our capability having worked with us on hundreds of previous occasions. The idea was for a new road and bridge to link up to an existing thoroughfare and therefore double the number of access points for passing motor vehicles. However, a high water table in the bedrock prevented the installation of a new concrete culvert situated beneath the overpass itself.

An existing culvert was then cleaned in the meantime and was pinpointed as a primary waterway for much of the town. In total, our equipment remained on hire for approximately one month which was long enough to remove all water present on site ahead of the next phase of development. The rent proved extremely successful and ended with our customer intimating that we would be first choice when similar assignments surface in the future.



Performance Max head: 38m, Max flow:  
90 l/s, Max solid: 52mm  
Weight 1990kg with fuel, 1800kg without  
fuel  
Dimensions (mm) 2310 x 1250 x 1535  
Noise level @7m = 65 dBA  
Fuel tank capacity 175 litres  
Pipe connections Suction: 6" table D,  
Discharge: 6" table D, Bauer couplings  
option  
Energy Efficient duty point Fuel  
consumption @ 1500 rpm: 4.1 litres/h



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