

# Case study 229

## Boiler circuit kept functional during repairs

In recent years, much of Greater London has benefitted from regeneration projects as local authorities endeavour to provide additional accommodation. As a result, newly-constructed residences were added onto a district heating circuit which was already running near its limit prior to the latest developments. There was therefore an immediate need for supplementary equipment to handle the strain of additional heating and hot water requirements.

At this juncture, Andrews Boilers Hire was contacted by the area's energy supplier who sought a temporary rental solution that would alleviate the problem. After conducting a thorough survey of our client's site, it was decided that the most appropriate response would be to deploy a high capacity 1.2MW containerised boiler which was then connected to their existing system.

The customer's original equipment had been running despite the breakdown of three 100kW modules, and our proposed solution enabled them to decommission the faulty units for overdue repairs.

Due to the location of our client's premises, we recommended that a 3000L fuel tank was skated inside the main plant room to prevent it from being stationed next to a reasonably busy road. This ensured our kit was kept behind closed doors while anti-vandal doors and a heavy duty padlock guaranteed the equipment's complete safety while on hire.

Our boiler remained in place for a number of weeks and was only taken offline once the previously broken units had been serviced and reconnected.



Nominal heating duty 1,250 kW  
Power supply 415V 3ph 50Hz Run 10A  
Plug type BS4343 5 pin 32A  
Noise level 48 dBA @ 10 metres  
Weight 7,500kg  
Dimensions (mm) 6058 x 2438 x 2591  
Fuel type Gas oil/natural gas  
Max fuel consumption 156.25 l/h  
LPHW connections 100mm PN16 flange  
Average power consumption 5.4 kW/h  
Control Automatic thermostat  
Natural gas connections 2" BSP coupling



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