



Heating boiler hire project application

Building hand-over date falling behind due to high moisture content in the floor screed and associated slow drying caused by inclement weather conditions and building not being “air tight” resulting in ;-

1. Floor screed too wet to lay new vinyl flooring though out new building of 3,500 m2.
2. Delay (by M & E Contractor) of newly installed boiler & heating services not ready in time to assist drying.

(The client previously used Aggreko with [IDF heaters](#) with lots of ducting throughout building “which were expensive and took a very long time”).

Application requirement

Dry floor screed to four designated “phases” of the building each at different times and speeds to be in line with estimated floor layers work.

The Solution

Supply two Watkins Hire MBR 250kw [mobile boilers](#) & GSM monitored [3000-litre fuel tanks](#) c/w pipe work and appropriate tee manifolds to the designated newly installed [under floor heating system](#).

Following the recent inclement weather conditions, Watkins Hire Ltd were asked to provide a solution to a major national building contractors problem of appropriately drying out 3,500 m² of floor screed without causing any associated damage to the floor.

WHL past and current under floor heating projects offer their customers a “one stop” [drying solution](#) particularly where the new boiler plant has yet to be commissioned and newly laid flooring needs to be carefully dried.

Specialist hire director Andy Ellis visited the [Basildon](#) site and discussed the application with site Mangers Quantity Surveyor.

Andrews 23 year [Temperature control hire](#) application experience involving [boilers](#) and [chillers](#) helped advise the building contractors to utilise the existing under floor heating system connected to two WHL 250kw [LPHW boilers](#).

“The builder required four different floor areas to be dried at different drying rates and times to meet the proposed floor layers programme of works” said WHL’s Andy Ellis, and the process needed well controlled temperature gradients to ensure the drying did not cause other problems.

Each [hire boiler](#) was connected to a total of 19 newly installed under floor heating manifolds with low temperature hot water circulating through the temporary pipe work installed by WHL engineers.

WHL’s unique global satellite monitoring (GSM) telemetry system fitted to their equipment also helped the builder to maintain continuity of heating throughout the hire and eliminated any down time and associated problems involving additional refuelling deliveries or possible equipment breakdowns.

