



CASE STUDY

TOTTENHAM HOTSPUR STADIUM



In 2017 Dart Valley Systems (DVS) were approached to put forward a proposal for the washroom systems at the New Tottenham Hotspur Stadium in North London.

The client required a setup that was robust, modern and aesthetically pleasing.

During these initial discussions, DVS demonstrated a willingness to work closely with the client and tailor our products to meet the requirements of the project team, our ability to quickly tweak our product specifications, paired with a proven performance in mock washroom situations lead to DVS winning the opportunity to supply the Premier League club.

Having already worked with the client at their leading training facility, a relationship of trust with our tried and tested products existed and with the introduction of our New Fully-Programmable DVS WC Flushvalve, Urinal and Shower sensors, the order was placed ensuring the stadium would be at the forefront of intelligent washroom design.

Dart Valley's support was offered at every step, with DVS Staff attending the site at many stages of the project to offer assistance where required. Bespoke products were also tested by our staff in conjunction with the project team at our factory in Paignton, Devon to ensure full compatibility before the products were supplied. This helped to eliminate potential issues arising later down the line.

Our support will remain on-going, ensuring the DVS System is performing to its full capability in the stadium.

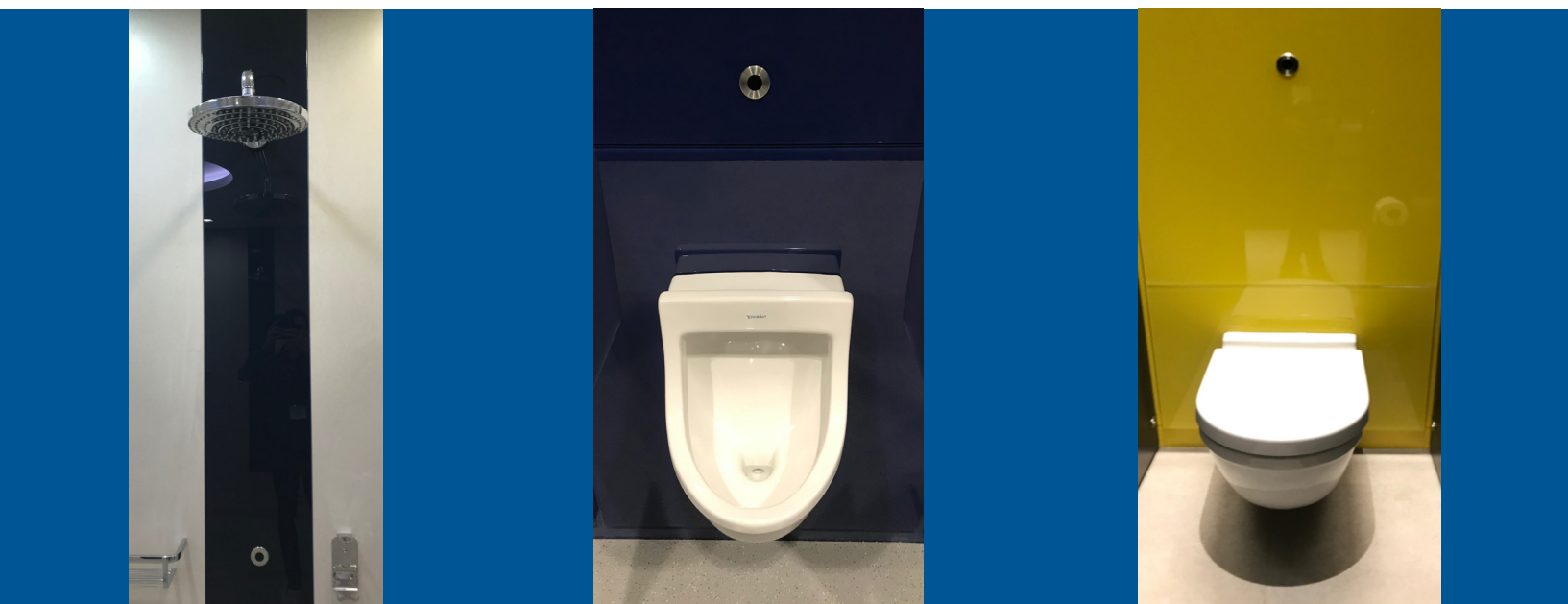
Dart Valley Systems Ltd is a trusted supplier to the most demanding environments, already working closely with all London airports.

However, the footfall and washroom usage at half time in a stadium with a capacity of up to 62,062 is a very unique test of any washrooms' ability to remain pleasant and hygienic, whilst also saving as much water as possible.

With multiple, back-to-back uses of all WC's and Urinals in immediate succession, DVS have worked closely with the on-site team to ensure that the system best meets their requirements.

DVS representatives have also been on call at stadium test events to ensure the systems were fine tuned to suit the demands of the stadium.





The programmable sensors on site can be fully customised to suit using the Handheld Programmer, allowing for different settings to be applied to products to best suit the stadiums needs. We now have urinals with the shortest possible “walk away time” ensuring a full flush as often as is required to clear the bowl. The flush has also been optimised to save water whilst not compromising performance.

Furthermore the WC Flushvalves are all set to ensure the optimum flush whilst again providing the options to adjust the amount of water delivered and further increase water savings.

The DVS programmable shower setup has also been installed in the; Players, Ball Boys/Girls, Mascot and Staff changing areas.

The Handheld Programmer is again of great use here with the run on times and shower characteristics being adjusted based on user feedback. In addition to the water saving benefits of our Programmable sensors, we can also use the in-built Auto-Purge setting to ensure that any unused outlets are flushed for a desired period of time.



By removing any standing water in the system, the Programmable setup has the capability of reducing the risk of water borne diseases, a further demonstration of the capability of our Programmable system is that all settings, usage counts and purges can be downloaded onto Microsoft Excel by simply plugging the Handheld Programmer into a PC or Laptop and extracting the files.

This data capture allows FM teams to monitor the devices and save these documents for in-depth review.



The stadium will be an International, Multi-Purpose Arena, with commitments already made to be used for the NFL and Rugby Union.

The facilities for concerts and boxing also exist for future use.

Dart Valley Systems Ltd is proud to have contributed to what is considered by many as the benchmark for future stadium and entertainment venues worldwide.

The end result is The Tottenham Hotspur Stadium is equipped with the latest intelligent and fully customisable washroom system that saves water, greatly increases hygiene and allows data capture.