



MODERNWATER

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Modern Water plc
("Modern Water" or "the Group")

**MODERN WATER'S TRACE METAL MONITOR USED FOR FUKUSHIMA DISASTER
CLEAN-UP IN JAPAN**

Modern Water plc (AIM:MWG), the owner of leading water technologies for the production of fresh water and monitoring of water quality, has recently sold its portable trace metal monitor, the PDV6000*ultra*, for a decontamination project in Fukushima, Japan. Kyoto and Osaka Sangyo universities have been jointly working on the project.

The university project uses a new innovative decontamination process to clean up sludges around Fukushima contaminated with radioactive isotopes, following the tsunami and subsequent nuclear power plant accident in March 2011. The Modern Water PDV6000*ultra* fulfilled the universities' requirements for an instrument that could rapidly validate the effectiveness of the process on-site.

The project uniquely used the PDV6000*ultra* with an auto sampler, which meant that the need for handling radioactive samples was minimised during the on-site testing. Operators were able to receive valuable data on the metal content of the samples and efficiency of the decontamination process in minutes, both validating its effectiveness on real samples and assisting in its further optimisation.

One of the researchers commented: "It was phenomenal that we could determine the metal contents of the samples on-site rather than waiting for laboratory data to come out after our trial was over."

Simon Humphrey, Modern Water CEO, added: "This project demonstrates Modern Water continued support of university based research projects across the world and is another example of the wide variety of applications for our monitoring products."

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For further information

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Notes to editors

Modern Water owns, installs and operates world-leading membrane technology and develops and supplies advanced systems for water monitoring. Its shares trade on the Alternative Investment Market of the London Stock Exchange.

Modern Water's patented forward osmosis (FO) technology can be used across a number of applications and its benefits include lower energy consumption and a reduced environmental impact. Modern Water designed and installed the world's first commercial FO desalination plant in Oman in 2012. With a sales presence in almost 60 countries, the Group's Monitoring Division includes a leading real-time continuous toxicity monitor and trace metal analysers for monitoring the quality of drinking water.

www.modernwater.com