



Biwater working with Haydale to trial CeramyShield™ Ceramic Surface Treatment

Managua, Nicaragua – 23rd March 2021: British water engineering company, Biwater, is pleased to be working with Haydale to trial its CeramyShield™ Ceramic Surface Treatment product at the Managua Wastewater Treatment Plant.

Haydale is a global technologies and advanced materials group that facilitates the integration of graphene and other nanomaterials into commercial technologies and industrial materials.

Haydale's CeramycShield™ concrete surface coating uses nano-Alumina and Zirconia Silicates to renew and preserve concrete surfaces, which inhibits attack from water, chlorides, carbonation, biological infection, and sulfates. It was applied to one of Biwater's primary clarifiers at the Managua site and has shown positive results.

Biwater will continue to monitor the performance of the product and ongoing discussions are currently taking place for collaboration on future infrastructure projects.

Keith Broadbent, Haydale CEO, said: *"The results from Biwater's trial in Nicaragua have been very pleasing and we look forward to further collaborations with Biwater as we see the product trialled across more sites."*

Javier Nunez, Biwater General Manager, commented: *"The CeramycShield™ product was easy to prepare and apply to our primary clarifier. We have seen positive results and the adhesion of the product is excellent with no detachment present."*

The Managua Wastewater Treatment Plant has been operational for over 10 years in Nicaragua. Biwater carried out the design, construction, operation and maintenance of this first wastewater treatment plant to serve the capital city. Biwater continues to run the day-to-day operations of the plant and has expanded its scope of works to operate pumping stations across the city's collector network and two additional nearby existing wastewater treatment plants.

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For further information:

Haydale Graphene Industries plc

Haydale is a global technologies and materials group that facilitates the integration of graphene and other nanomaterials into the next generation of commercial technologies and industrial materials. With expertise in graphene, silicon carbide and other nanomaterials, Haydale is able to deliver improvements in electrical, thermal and mechanical properties, as well as toughness through its state-of-the-art functionalisation. Haydale has granted patents for its technologies in Europe, USA, Australia, Japan and China and operates from five sites in the UK, USA and the Far East.

For more information please visit: www.haydale.com

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Biwater International

Biwater provides large-scale water and wastewater solutions for clients across the world. Since its inception in 1968, Biwater has gained recognition for innovative approaches aimed at overcoming the world's most pressing water-related challenges. Throughout its history, the company has grown to meet the demands of many water-stressed countries and their burgeoning populations. It has a successful record of accomplishment, having completed over 25,000 projects in over 90 countries – financing, consulting, process engineering, designing, constructing, operating, maintaining and owning water facilities – in both rural and urban environments.

biwater.com

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