NYU WATER RESEARCH CENTRE IN ABU DHABI USING AXIUM PROCESS PILOT PLANTS FOR INNOVATIVE RESEARCH PROGRAM

NYU Abu Dhabi (NYUAD) is a leading research university having an international presence with a comprehensive science academy at its core. It supports innovative research and graduate education programs that explore the frontiers of knowledge in powerful and interdisciplinary ways vital to global challenges.

NYUAD recently commissioned filtration specialists, Axium Process to develop, manufacture and supply a range of bespoke membrane filtration and Ion exchange pilot systems suitable for detailed investigations over a wide range of industrial, environmental, and process-based applications. Manufactured in 316L stainless steel, Axium's membrane systems are designed to support the development of innovative solutions via education, training, and comprehensive research into Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis technology. The equipment accommodates multiple commercial scale membrane options, including hollow fibre, tubular, spiral and ceramic variations.

Now successfully installed and commissioned at the NYU Water Research Centre in Abu Dhabi, the sophisticated data collection software supplied with each plant has been fully optimised by Axium's commissioning team to enable accurate and detailed representation of the practical separation/concentration limits achievable against a representative feed stream sample.

Axium Process specialises in membrane filtration technology and manufacture technically advanced bespoke pilot systems that benefit from over two decades of practical filtration expertise. Axium's pilot equipment is typically used for applications such as clarification, removal of suspended solids, purification, removal of salts and ions, dairy fractionation, cell recovery, extract filtration, and the separation of microplastics from liquid feed streams.

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