

Mobile membrane filtration units installed at Masdar Institute



Two mobile membrane filtration plants will be installed by Axiom Process at the Masdar Institute of Science and Technology in Abu Dhabi.

Masdar Institute of Science and Technology, an independent, research-driven graduate-level university focused on advanced energy and sustainable technologies in Abu Dhabi, has commissioned UK-based Axiom Process to install two mobile membrane filtration plants at the campus.

Designed for pilot scale microfiltration, ultrafiltration, nanofiltration and reverse osmosis trials, the mobile plants from Axiom Process are supplied with data logging and Wi-Fi access to allow ease of instrument tracking and manipulation of data. They are currently being used to test

and improve water quality from a variety of sources including brackish water and condensate.

Dr. Nidal Hilal, an international expert in desalination and membrane technology and Professor in Nano-membranology and Water Technologies at Masdar

Institute, said: “Membrane separation is extremely important for desalination, production of drinking water and wastewater treatment in the UAE and the GCC region. The two mobile membrane filtration plants installed by Axiom Process will enable us to carry out extensive studies and assist our researchers to find new solutions in this area. The high-technology equipment also represents the cutting-edge research facilities available at Masdar Institute for faculty and students to focus their research on clean energy and advanced technologies.”

Dr Hilal is also the Editor-in-Chief of *Desalination*, published by Elsevier, the international journal on the science and technology of desalting and water purification.

www.masdar.ac.ae/
www.axiomprocess.com