

IonX Global Business Profile - API Powerchem 2016

IonX Global is an independent business providing expert support for operators of ion exchange processes. We operate across a broad spectrum of industries such as power generation, mineral processing, industrial water softening, food and beverage and ultrapure water production. IonX Global specialise in resin performance assessment, system monitoring and operational support.

When water quality problems arise, IonX Global are well positioned to provide the support that engineers, chemists and operators require. This can entail resin analysis, specialty testing, and overall system review. IonX Global can also provide an advisory role when evaluating resin replacement, or modification and improvements to the whole water treatment cycle.

Periodic testing of ion exchange resin is particularly recommended in critical production processes, of which power station water treatment is an example. Here it is critical to ensure optimum performance of condensate polisher and demineralisation processes. IonX Global can offer a comprehensive suite of ASTM based testing procedures from its Australian base.

Routine plant assessment and resin analysis will optimise the asset life and:

- Accurately assess resin condition and performance, and enable predictive maintenance and forward estimates of resin life;
- Diagnose problems associated with ion exchange failure;
- Understand changes occurring in condensate systems;
- Identify improvements in pre-treatment processes by understanding the type and origin of resin contamination; and
- Monitor and track the life cycle of resins.

Support does not stop with furnishing test results. IonX Global have an extensive background in the operation and maintenance of polisher and demineralisation systems, and in conjunction with parent entity Membrane Futures, can also support ultrafiltration and reverse osmosis processes.