



Scaling Water Capacity in a Water Stressed World

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In the half century since the Clean Water Act accelerated the growth of the water treatment industry, pristine water sources have grown increasingly scarce. Population growth, with its accompanying demands on agriculture, industry, and our climate, requires us to consistently develop greater engineering capabilities and capacities.

Troubled water sources are growing not only in number but also intensifying in complexity. Contaminants that once merited little attention such as Nitrates, Selenium, PFAS, Arsenic, Mercury, Phosphorous, VOCs and Sulfates are now in the headlines and at the forefront of treatment focus. These pollutants now receive exponentially more scrutiny today than they did fifty years ago.

Water professionals and industrial water users must continue to develop innovative ways to clean and conserve water. This session reviews the pitfalls and potential for our industry from:

- Water Reuse and Efficiency Improvements
- Customized vs. Standard Systems
- Maximum Water Recovery from Mining Operations
- Advanced Instrumentation
- Heightened Public Awareness

While corporations are increasingly aligning with public views of social responsibility, underlying economic considerations are still critical driving forces for moving forward.

Solutions that deliver maximum water recovery will thrive as companies seek to mitigate the rising costs of accessible water and avoid the risk of releasing contaminated effluent.