



MINES (Tailings Center) | Mining Seminar 2025

From Slurry to Recovery: Field-Proven Strategies for Tailings Water Management

Water treatment experts from ALSYS Group present a field-validated approach to tailings dewatering and water reuse that integrates material science with process engineering. Drawing on ALSYS's membrane and catalytic expertise, ClearBakk's turnkey system delivery, and CeraMem's robust ceramic UF technology, the session explores how optimized polymer hydration and ultrafiltration enable efficient water recovery and produce low-turbidity permeate under challenging conditions. A lithium tailings case study illustrates real-world performance, while a structured deployment roadmap—from bench testing to modular pilot rollout—demonstrates how technical risk is reduced and scalability ensured.

Scalable Solutions are built on validated process design and seamless execution.

Discover how integrated process and engineering solutions overcome mining's toughest challenges.

Presented by the team who stand behind it.

Speakers



Mitra Jafaei

Water & Wastewater Application Specialist at ClearBakk

With 16+ years of experience, Mitra specializes in the design and optimization of complex water and wastewater treatment systems. Her expertise spans filtration, biological processes, and membrane technologies—bringing custom, high-efficiency solutions to industrial clients.



Nick Antonopoulos

Process and Engineering Director at CeraMem®

Nick brings over two decades of experience managing industrial water treatment projects from concept to commissioning. He is known for implementing advanced membrane and RO systems that reduce cost, energy use, and environmental footprint while improving plant performance.



Yatin Pandit

Water Treatment Advisor- Global Director, Sales & Strategy

A seasoned expert with over 27 years in water, wastewater, and environmental solutions across industries including Oil & Gas, Petrochemicals, and Pharma. Yatin blends deep technical expertise with strategic business acumen to lead sustainable water reuse and recycling initiatives on a global scale.



Kevin Donahue

Sr. Chemical Engineer- Business Development Manager at CeraMem®

A filtration expert with over 30 years of experience, Kevin has led the development and commercialization of membrane and filtration solutions for chemical recovery, waste minimization, and product purification across global markets. He brings deep expertise in industrial process design, regulatory compliance, and technical sales.