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COOL Separations (formerly known as EFC Separations) and PROXA announce their cooperation to jointly deliver commercial scale eutectic freeze crystallization (EFC) units to treat highly contaminated waste streams.

Initially developed by COOL Separations, the innovative EFC process was commercialized through joint development work in PROXA's Process Development Laboratories. It is targeted at challenging environmental applications, including acid mine drainage and highly concentrated brine streams. EFC technology enables treatment of highly contaminated effluent to produce reusable water and different by-products, which can be tailored according to various needs. Key benefits of the technology include simple & stable operation, no added chemical consumption, and an overall smaller footprint.

"I'm impressed by the innovative attitude and the process integration capabilities of PROXA" , says Rob van der Meij (CEO COOL Separations). "With PROXA, we created a strong alliance bringing our 'Cool Separations' technologies to the mining, minerals and energy markets. PROXA's extensive process integration knowledge and customer network will accelerate our growth and strengthen our commercial delivery options to customers".

"PROXA's strategy is to stay ahead of technology developments by bringing innovative concepts to our clients. We do this by integrating our research and development efforts with leading researchers around the world" , says Elie Sakhat (CEO PROXA). "It was a long desire of us to have this EFC technology at fully commercial scale available. The EFC technology of COOL Separations has excellent scalability and brings a new low energy, chemicals free process that enhances recovery of valuable components and increases the water recycle . EFC is a critical component in achieving the need for higher water recovery and sustainable environmental protection in the resources industry" adds Wimpie van der Merwe, Chief Technical Officer, PROXA.

About PROXA

PROXA is a specialized water solution provider of sustainable water services within the municipal, industrial and commercial sectors. PROXA's range of services covers the entire water cycle from consulting and design, research and development, engineering and construction, and plant modernization to operational management, maintenance, repairs, after-market service, chemicals, consumables and spares supply. Headquartered in Luxembourg, PROXA has regional operations in Belgium, the United Arab Emirates, South Africa and Australia. (for more information visit www.proxawater.com)

Contact PROXA

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About COOL Separations (formerly known as EFC Separations)

COOL Separations is the expert in low temperature crystallization. The EFC technology reduces its customer's cost and environmental footprint by providing low temperature crystallization based solutions for separation of salt(s) and water or heat sensitive materials and water. EFC brings the Eutectic Freeze Crystallization (EFC), Freeze Concentration (FC) and Cooling Crystallization (CC) processes to the market as energy efficient methods to concentrate aqueous process streams and produce clean water (use) and pure salt. COOL Separations is based in Rotterdam, the Netherlands. (for more information visit www.coolseparations.nl)

Contact COOL Separations

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