

Process & Waste Water Treatment For Mining Industry

SFS provides ingenious solutions for the mining industry applying various processes in collaboration with world class technology partners .

The Mining industry requires reliable water and waste water treatment systems to produce high quality water for ore processing and for a multitude of waste water treatment processes .

Power stations at mining sites require high quality demineralized water to operate efficiently.

This need is met with advanced ultra filtration (UF) systems , reverse osmosis (RO) , ion exchange (IO) and electro deionization (EDI) technology depending on quality of treated water on site .

Packaged wastewater treatment plants are the "preferred solution" for the production of sanitary wastewater effluents to meet local and global environmental discharge requirements.

The fully automated plants utilize various traditional aerobic treatment methods (extended aeration) or MBR (Membrane Bioreactor) technology, are characterized by rapid deployment time and require minimal operator intervention and offer years of trouble free operation .

They are also suitable for mining construction camps housing a few thousand work force as well as for permanent operations.



Meeting the Challenge of Mining Effluents

Some of the toughest challenges of water treatment in the mining industry is : Remote locations, unpredictable fluctuations in water quality, extreme environmental conditions and various contaminants . Quality fluctuations and high contamination levels call for customized water treatment solutions for each mine site to ensure treated effluents maximized reuse , reduced discharge meeting regulatory and site specific conditions .

Treated mining water effluent has a variety of reuse applications such as process and ore rinse water, dust suppression, irrigation & onsite landscaping and regulatory discharge o surface waters or aquifer reinjection.

Packaged Drinking Water Systems for Mining Camps Personnel

SFS offers packaged water treatment solutions to purify water from various natural sources including : sea , brackish, and surface water to locally and internationally acceptable drinking water standards . The units are characterized by robust construction , low cost and ease of operation and maintenance by existing on-site technicians .

