BIO ALSI microbial treatment plant

Characteristics



"Bio Alsi system" use little equipments

(only some agitators, blowers, pumps)

so maintenance is easy and never break.

	Waste water	Waste water Microbial tr (Bio Alsi pr			+	water				
					CO2					
4)Comparison between Bio Alsi system and other process.										
	Bio	Bio Alsi process		Other physicochemical process						
	Unattended Automatic operation		Attended Manual operation Many sludge							
	No sludge No chemical									
				Many consumption chemicals						

Many wastage

Little wastage

Introduction Examples





Effects of instal BIO ALSI system

Examples	Before installation		After installation of BIOALSI system	
Waste fluid of coolant at "A" automobile manufacturing company	Annual cost for incineration: 60 million yen		Treatment by BIOALSI: cost reduction to 20 million yen, 1/3 of the cost before installation.	
Waste of mold release agents at "B" automobile manufacturing company	The amount of sludge for treatment committed and annual expense paid to the service company: 4800 tons and 80 million yen, respectively.		Substantial reduction of the amount of sludge formed to 1/100 of the volume and 1/7 of the waste treatment cost before installation with cost reduction for treatment of sludge to 11.420.000 ven.	
Poultry processing wastewater	Annual cost for treatment of sludge: 25 million yens for treatment with poly alminium chloride, caustic soda, and polymer coagulant.	udge: 25 poly a, and	No need of chemicals for pre-treatment of raw wastewater and the sludge dewatering equipment by installation BIOALSI. Cost reduction in treatment sludge to 1 million yen, 1/25 of the cost hefore installation	
Waste fluid of painting processes	Annual cost for treatment of waste: 22 million yen and outsourcing of treating the waste of plating fluid and sludge.		Waste can be treated within the plant and cost reduction for treatment of the waste to 4 million yen, 1/6 of the cost before installation.	
Waste fluid of metalworking coolant	Annual cost of treatment of waste: 18 million yen for an inorganic coagulant and treatment of the dewatered sludge cake and oily sludge.		Cost reduction for treatment of sludge to 4 million yen, 1/5 of the cost before installation by use of BIOALSIL and ALSIL FLOC in combination.	