



Remarkable Dewatering system 50% Sludge Cake Cut-Down Reborn to Renewable Energy

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## Dear Valued Clients,

Please refer to the one of Big size ELODE(Model: EODS-2000) full scope operating site at Lotte Group Chemical Sludge in Ulsan-City. Korea. (2017.Nov)

Before ELODE, They are daily 35ton @18%ds Cakeout Volume discharged and pay  $U$180/ton \times 35ton = U$6,300/day$  for final disposal fee. Idea, They have been spent on daily incineration costs U\$6,300,

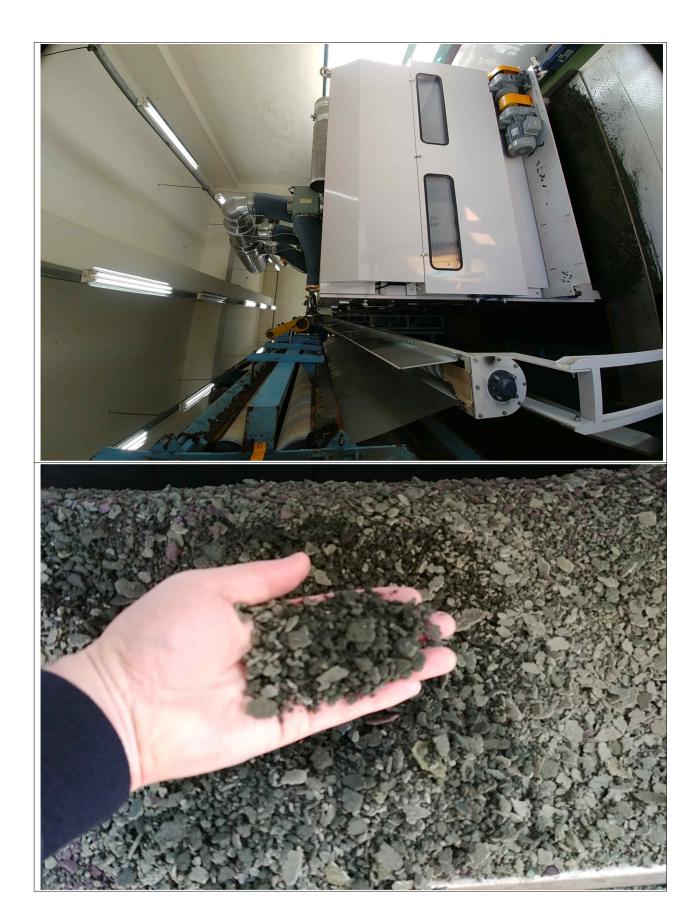
but now it has reduced daily 11tons (20%ds  $\rightarrow$  to 60%ds guaranteed: 35ton-24ton  $\rightarrow$  11ton saved). Mean, Saving \$4,300/day x 300days/year = U\$1.3mil saved/year.

## Recovery of Investment period is only less 10months.

Subject	Before ELODE	After ELODE	Remark		
Daily discharge Volume	35ton	11ton	24ton reduced		
Dry Solid	18%ds	60%ds (Max. 70%ds)	70% Reduced		
Electric consumption	144kW	3,240kW	+3,096kW*0.08 =U\$248*300days =\$74,400		
Operating time/day	18hours	18hours			
Disposal fee/day	U\$6,300 35ton*\$180	U\$1,980 11ton*\$180	U\$4,320 saved		
1st stage Dewatering machine	Beltpress	Uses the existing beltpress			
ELODE Concept Flow sheet NVD(Nat		Beltpress 18%ds ► ELODE 40%ds ► Itural Ventilation Dryer) 60%ds			
Yearly Saved cost	300days operating/year * \$4,320 aved cost =\$1,296,000-(\$74,400+\$10,000) = \$1,210,600 saved				
*Others	thers U\$74,400: Electric consumption fees U\$10,000: Yearly operating spare part fees				







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