



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 since 2013 till today Dec. 2018.

Before ELODE, They are daily 35ton @18%ds Cakeout Volume discharged and pay U\$180/ton x 35ton = U\$6,300/day for final incineration costs.

but After ELODE, They reduced daily 11tons (20%ds → to 60%ds guaranteed: 35ton-24ton →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		Beltpress 18%ds ▶ ELODE 40%ds ▶ NVD(Natural Ventilation Dryer) 60%ds	
Yearly Saved cost		300days operating/year * \$4,320 =\$1,296,000-(\$74,400+\$10,000) = \$1,210,600 saved	
*Others		U\$74,400: Electric consumption fees U\$10,000: Yearly operating spare part fees	



ELODE system has Big 6 advantages:

- ① No Competitor! in the World for Sludge Dewatering~
- ② 30%wt(70%ds) Guarantee for All kinds of Organic sludge.
- ③ 0.25kWh/liter water removed! (Lowest Energy Consumption)!
- ④ Max 24months Recovery of Investment (Faster ROI)
- ⑤ World Lowest Operating Expenditure!
- ⑥ World Lowest Capital Expenditure!

Operating Movie: www.elode.co/movie



Presented by Antonio Kim/Managing Director of www.BLUEWIN.kr / www.ELODE.co