



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

Zip618280 #60street, Whajeon Sandan6-ro, Gangseo-gu, BUSAN. KOREA

e-mail [antoniokim65@gmail.com](mailto:antoniokim65@gmail.com)

Web-site [www.bluewin.kr](http://www.bluewin.kr)

From Antonio KIM/Managing Director

Mobile +82.10.5231.8920

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 x 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 → 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		







Presented by FINE INC. [www.BLUEWIN.kr](http://www.BLUEWIN.kr)