

FORMULA $S = (K_e \cdot a - k_a \cdot P) / P \cdot (1 + a)$ Where S = :

Please input values in the yellow cells only

P	Mill production	t/h	100	(initial production: 100 t/h)
a	Output increase	%	0.01	(production increase: in this example)
Ke	Total energy cost	€/h	70	
ka	GA cost	€/t	0.24	
Power spec. Cons.		kWh/t	45	(specific consumption: 45 kWh/t)
Power spec. Cost		€/kWh	0.015	
Grinding Aid Cost		€/kg	0.6	(Grinding aid cost: €/kg)
Dosage		kg/t	0.3	(Grinding aid dosage: 0,4 kg/t or 4)

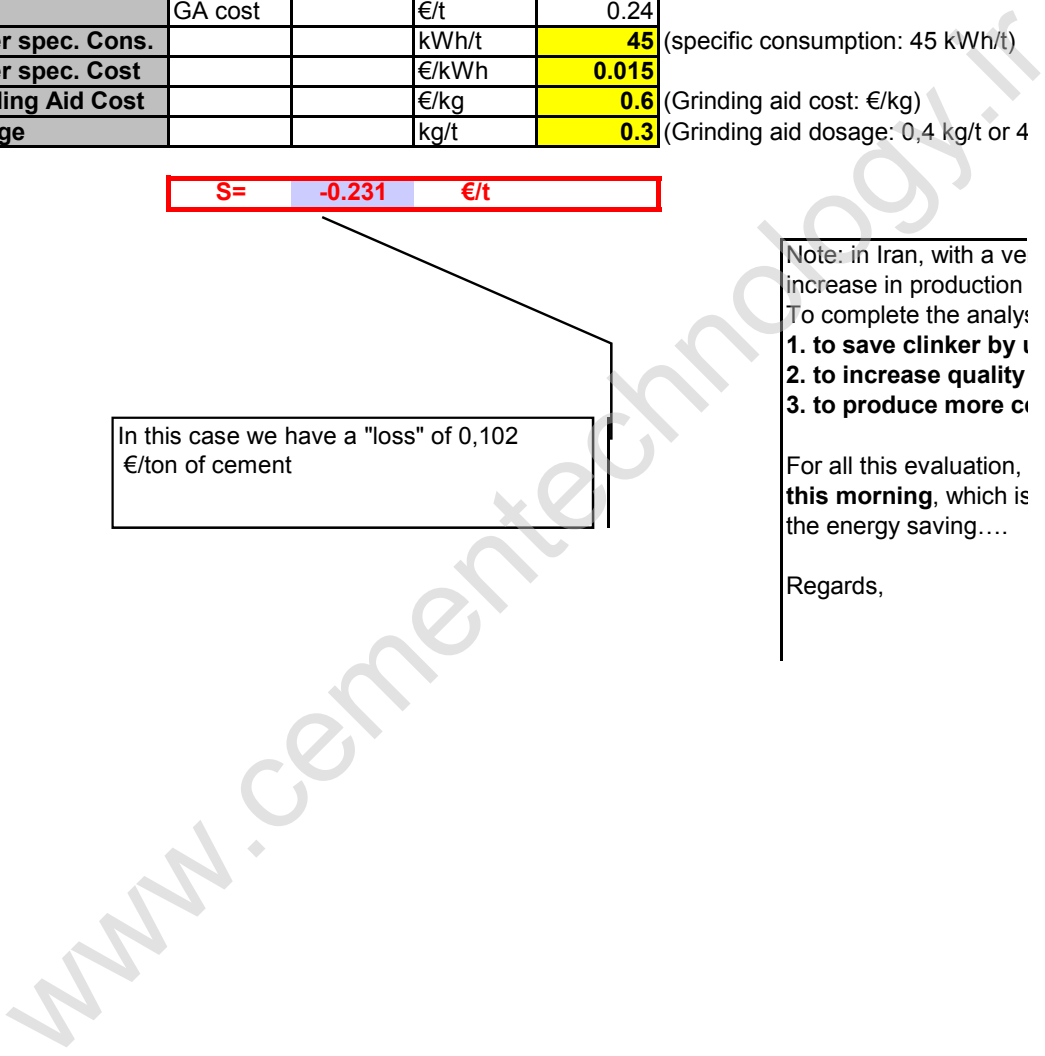
S = -0.231 €/t

In this case we have a "loss" of 0,102 €/ton of cement

Note: in Iran, with a ve increase in production To complete the analysis:
1. to save clinker by i
2. to increase quality
3. to produce more c

For all this evaluation, **this morning**, which is the energy saving....

Regards,



specific saving per ton of cement €/ton

ple10%)

.00 g/t or 0,04%)

ry low power cost (0,015 €/kWh) the simple
rarely repay the additive cost.

sis you should consider:

using the grinding aid

ement and to sell more cement

please refer to the program I've sent to you

; more complete: this formula is just to calculate

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