Job Optimization Calcu	lator											
GOALS: Save fuel, save water, increase wa	to the second control of the second control	ce time an	d CO2 emmision	S								
Pump	Number	Number Unit					LEGEND:		Weight fuel			
Maximum pressure	1,000						Input fields		liter		gram	
Maximum flow		ltr/min					Calculation fields		l kW	1.3410229		
Maximum kW	241		•						litres/kWh		litres/hp.h	
Maximum hp	323		•					0.2001012		0.220200		
Fuel consumption engine		gr/kWh						Cost			Price/uit	
CO2 Emissions		kg/ltr fuel							er purchase		€ 0.80	
Maximum fuel consumption	72.08	777 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						A South Control of the Control of th	er disposal an	d nrocessing		
Maximum availabe cleaning power (Power Factor)	130	i i i i i i i i i i i i i i i i i i i						Fuel	or disposar arr	a processing	€ 1.35	
waxiinani availabe cleaning power (i ower i actor)	100							i dei			C 1.00	
Cleaning Parameters	Number	Unit										
Minimum treshold pressure	200											
3-5 x treshold pressure is optimal pressure	4		11									
Optimal cleaning pressure	800	bar										
Optimal Power Factor	104											
Job Results	Inefficie	ent	Optimiz	zed	Perfec	t!						
Pressure at pump	1,000		1,000		800							
Pressure at surface (Jet Impact)	378			bar	800							
Pressure loss	622			bar		bar						
Water input (before pressure loss)	130		130		130							
Water output	121	l/min	127	l/min	130	l/min						
Deployed horse power (hp)	323	hp	323	hp	259	hp						
Power Factor Deployed	130.00		130.00		104.00							
Power Factor Utilized	45.74		86.87		104.00							
Power Factor Lost	84.26		43.13		0.00							
Efficiency Score	4		8		10							
Operating time	10.00		7.00									
Usage Per Hour	Inefficie	ent	Optimiz	zed	Perfec	:t!						
Water usage	7260.00		7620.00		7800.00							
Fuel usage	72.20		72.20		57.76							
CO2 emissions	233.20		233.20		186.56							
Usage Per Job	Inefficie	ent	Optimi	zed	Saving	js						
Water usage	72600.00		53340.00		19260.00							
Fuel usage	722.00		505.40		216.60							
CO2 emissions	2332.05	kg	1632.43	kg	699.61	kg						
Savings Per Number of Jobs	-		Jobs Completed:									
Supply water purchase cost	€ 1,540,800.00		100									
Waste water disposal and processing cost	€ 9,630,000.00											
Fuel cost	€ 29,240.83											
Total cost savings	€ 11,200,040.83											
CO2 emissions	69,961.39	kg										
. <b>.</b>												
Equivalent of trees planted	3,331.49											