

BUSINESS CASE PARTS-CLEANING

Work Hours

Explanation: Pls fill in blue cells only.

Auxiliary Calculation

Monthly salary	€ 2.100	Assumption
Salaries per year	13	Assumption
Incidental wage costs	20%	
Annual salary costs, total	€ 32.760	Full cost basis
Workhours per week	40	
Weeks worked in a year	44	= 52w - 6w vacation - 2w holidays
Annual workhours	1.760	
gives: (full) salary costs, internal, per hour	18,61 €	on the right, pls enter 1 if internal and 2 if external service provider
alternative: costs for external service provider, per hour	20,00 €	1

COSTS PARTS-CLEANING - Current method

Minutes for cleaning a part, on average	30	minutes per part
(Full) salary costs per workhour (internal or external)	18,61 €	per hour
gives: Costs for parts cleaning - manual	9,31 €	per part

COSTS PARTS-CLEANING - With ph-cleantec

Minutes for cleaning a part, on average	15	minutes per part
(Full) salary costs per workhour (internal or external)	18,61 €	per hour
gives: Costs for parts cleaning - <u>ph-cleantec method</u>	4,65 €	per part

ANNUAL SAVINGS WITH PH-CLEANTEC - WORKHOURS

Salary costs - current method	9,31 €	
Salary costs with ph cleantec	4,65 €	
Difference	€ 4,65	savings per part estimate
Parts per day	10	typical number
Workdays per year	250	
gives: Savings due to ph-cleantec method that is equivalent to	€ 11.634	per year
	625	hours per year

AMORTISATION

Purchasing cost ph-cleantec	€ 5.830	modell 1000 SR
Savings per year - work hours	€ 11.634	savings per year
Amortisation after	6,01	months

FURTHER ADVANTAGES

- Health benefits for employees
 - no breathing in of chemical fumes
 - no allergies
 - no bleached hands or similar
 - reduced sick-times
- Improved cleaning quality, such as
 - less rework
 - lower reject rate
- Minimal environmental impact
 - no VOCs into the atmosphere

Not included: (negligible) costs for water and power