

INPRO/SEAL COST JUSTIFICATION WORKSHEET(v1.3)

FOR A FREE WORKING COPY OF THIS SPREADSHEET:

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INPRO/SEAL
1-800-447-0524

Return on Investment By Means Of Doubling Reliability

NOTE: To edit, please use the TAB key to move between open fields.

CUSTOMER NAME: BEHEMOTH CHEMICAL CO

BY: _____

EQUIP	QTY	Cost Per Repair	MTBF(Months)
PUMPS	1,000	\$2,910	12
MOTORS	1,500	\$1,130	24
ESTIMATED COST TO INSTALL INPRO/SEALS PER UNIT:			\$300

COSTS:

FIRST YEAR:(Benchmark)	500	PUMPS	\$1,455,000
	375	MOTORS	\$423,750
	COST TO INSTALL INPRO SEALS		\$262,500
SECOND YEAR:	250	PUMPS	\$727,500
	188	MOTORS	\$211,875
	COST TO INSTALL INPRO SEALS		\$131,250
THIRD YEAR:	125	PUMPS	\$363,750
	94	MOTORS	\$105,938
	COST TO INSTALL INPRO SEALS		\$65,625

RETURNS:

BENCHMARK COST OF REPAIRS:	\$2,141,250
SAVINGS: FIRST YEAR:	-\$262,500
SAVINGS: SECOND YEAR:	\$1,070,625
SAVINGS: THIRD YEAR: (and beyond)	\$1,605,938
ACCUMULATED SAVINGS:	\$2,414,063
TOTAL INVESTMENT IN INPRO/SEALS:	\$459,375
NET RETURN ON INVESTMENT:	\$1,954,688
NET RETURN ON INVESTMENT: % (over three years)	426%

DATA FOR LIFE-CYCLE COSTING

ANNUAL SAVINGS REALIZED BY USING MORE EFFICIENT MOTOR:

HP	\$/KWH*	HRS/YR	LESS EFF-%	MORE EFF-%	SAVINGS/YR - \$
50	0.07569	8766	91.0	94.1	= \$896

COST TO RUN "MORE EFFICIENT" MOTOR FOR ONE YEAR:

= **\$26,300**

Continuity of production, increased product quality and reduced requirement for inventory are added benefits not included in this analysis.

* INCLUDES DEMAND CHARGES, STATE AND MUNICIPAL TAXES AND UTILITY FEES.
RAW ENERGY CHARGES ARE: 0.060, 0.048, 0.033 \$/KWH. ((\$5,892/77,840)=0.07569)

