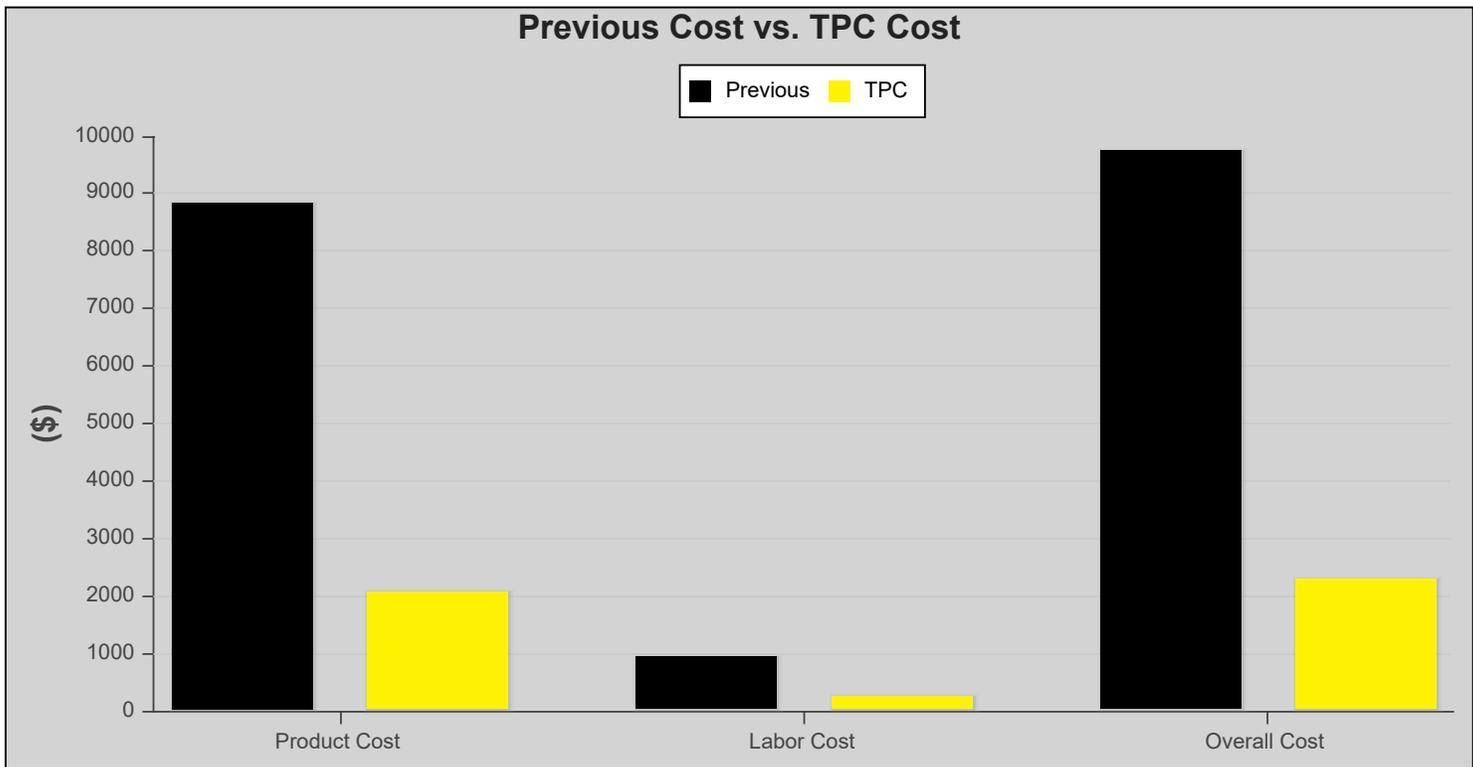




Customer Name: Nucor Steel Memphis TN	Market: Metals	Date: 06/27/2023
Application: Caster RTD Temperature Monitor		TCO: 4115
<p>Customer Problem: Super-Trex Female DC Micros corsets are mated to RTD Probes that stick out of side of caster. Cables are subject to extreme heat as probes are measuring temperature of interior caster shell and are located right up against caster. Maintenance replaces on average every 3 months. There are 20 probes on caster. The replacement work is typically done while the caster is not running. Cables first installed on 6/22 and have been installed for 12 months without failure. Material and labor costs are the biggest cost savings. However the safety for maintenance workers around caster are also a benefit.</p>		
TPC Solution: Super-Trex M12 DC Micro, 4 Poles, Female 90 degree, 6M 18/4 Super-Trex cable #87014		Part #: CF14D25M006



Application Variables	Previous Product	TPC Product
Material Cost Per Unit	\$110.00	\$101.52
Replacement Cost	\$110.00	\$101.52
Number of Units	20	20

Overall Cost Savings in 12 Months = \$7,441.60 and Reduced Downtime by 0 Hours





Labor Cost	\$896.00	\$224.00
Total Cost	\$9,696.00	\$2,254.40

Overall Cost Savings in 12 Months = \$7,441.60 and Reduced Downtime by 0 Hours





Value Analysis Computation In a 12 Month Period

Material Costs	Previous Product	TPC Product
Replace Cable:	\$110.00	\$101.52
Number of Replacements:	4	1
Total Material:	\$440.00	\$101.52
Number of Units:	20	20
Total Material Cost:	\$8,800.00	\$2,030.40

Labor Costs	Previous Product	TPC Product
Replace Cable:	\$11.20	\$11.20
Interim Repairs:	\$0.00	\$0.00
Number of Replacements:	4	1
Labor to Maintain Single Unit:	\$44.80	\$11.20
Number of Units:	20	20
Total Labor Cost:	\$896.00	\$224.00

Production Downtime	Previous Product	TPC Product
Downtime to Replace Cable:	0.00	0.00
Total Downtime for Replacements:	0	0
Downtime for Interim Repairs:	0.00	0.00
Total Downtime for All Repairs:	0	0
Number of Units:	20	20
Total Application Downtime:	0	0

