



Case Study

Henateks
(Textile manufacturer for Nike, Adidas, and others.

GEOGRAPHICAL AREA:
Turkey

ISSUE:

Find a better solution for insulation of Dye Machines, Steam Pipe, Steam Boilers and other equipment.

SOLUTION:

Syneffex® High Heat thermal insulation & corrosion prevention coating.

Coverage: 13/15-coats High Heat

RESULTS:

- ✓ Reduction in energy use of 20%
- ✓ Payback Projected - 7 Months
- ✓ Provides excellent corrosion resistance.
- ✓ Long lasting - 5-10 years.

Award Winning Energy Saving and Asset Protection Coatings



Henateks is a textile manufacturer for Nike, Adidas, Tommy Hilfiger, and other apparel companies.

Application: Steam Boiler, pipes, heat exchanger, dye machines
Overall thickness: Between 13-15 coats (650-750 microns dry film thickness)

Sustainable Solutions: Energy use reduction of 20%

**Project application was ongoing in 2007 ** Factory was not operating at full capacity in 2008*

Project Cost	Liquid Natural Gas Consumption Reduced (Sm3)	Energy Cost Savings	Time to Payback on Project
Materials: \$200,000	2007: 1,114,152*	2007: \$392,275	
Installations: \$100,000	2008: 1,097,447**	2008: \$460,162	
Total: \$300,000	Total: 2,211,599	Total: \$852,437	7 Months



CASE STUDY
ADDITIONAL PHOTOS

Award Winning Energy Saving and Asset Protection Coatings



HENATEKS
BOYA VE APRE SANAYİ TİC. A.Ş.

Month	Natural gas consumption per kg of production in Sm ³	Natural gas unit price in US Dollars/Sm ³	2006 Average natural gas consumption Sm ³ /kg	Difference in natural gas consumption Sm ³ /kg	2008 Natural gas savings	Savings due to DYS100 (economizer system)	Savings due to Synavax coatings	Synavax Savings in US Dollars
JAN 2008	0,84 m ³	\$0.32	1,05 m ³	0,21 m ³	190.320 m ³	47.722 m ³	106.732 m ³	\$43,752.54
FEB 2008	0,89 m ³	\$0.32	1,05 m ³	0,16 m ³	106.705 m ³	28.151 m ³	54.383 m ³	\$21,232.73
MAR 2008	0,80 m ³	\$0.32	1,05 m ³	0,25 m ³	211.389 m ³	46.125 m ³	98.291 m ³	\$35,501.65
APR 2008	0,74 m ³	\$0.32	1,05 m ³	0,31 m ³	270.694 m ³	40.688 m ³	153.241 m ³	\$57,493.20
MAY 2008	0,78 m ³	\$0.32	1,05 m ³	0,27 m ³	202.608 m ³	33.662 m ³	120.804 m ³	\$47,267.26
JUN 2008	0,73 m ³	\$0.35	1,05 m ³	0,32 m ³	232.213 m ³	33.904 m ³	161.697 m ³	\$68,314.90
JUL 2008	0,78 m ³	\$0.35	1,05 m ³	0,27 m ³	157.674 m ³	31.413 m ³	100.890 m ³	\$45,559.51
AUG 2008	0,82 m ³	\$0.42	1,05 m ³	0,23 m ³	134.701 m ³	39.109 m ³	59.100 m ³	\$31,148.35
SEP 2008	0,82 m ³	\$0.42	1,05 m ³	0,23 m ³	136.108 m ³	37.899 m ³	63.425 m ³	\$30,203.92
OCT 2008	0,77 m ³	\$0.44	1,05 m ³	0,28 m ³	201.116 m ³	43.164 m ³	138.494 m ³	\$59,251.54
NOV 2008	0,88 m ³	\$0.54	1,05 m ³	0,17 m ³	89.130 m ³	50.102 m ³	27.926 m ³	\$13,959.09
DEC 2008	0,92 m ³	\$0.54	1,05 m ³	0,13 m ³	48.285 m ³	31.678 m ³	12.464 m ³	\$6,477.19
Year Total					1.980.943 m ³	463.617 m ³	1.097.447 m ³	\$460,161.90 (\$593,051.87 YTL)

EYÜP SÖZDİNLER
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(Turkish Lira (YTL) figures converted to U.S. Dollars using end month exchange rates from Jan 08 to Dec 08)