

Case Study

Textile Company-
(Name Withheld)-
Dyeing Machines

Award Winning Energy Saving and Asset Protection Coatings

GEOGRAPHICAL AREA:

Turkey

ISSUE:

Find a better solution for insulation of dyeing machines.

SOLUTION:

Heat Shield™ High Heat (primer)
and Heat Shield™ EPX-H2O

Coverage:

High Heat- 4-coats
EPX-H2O: 4-coats

RESULTS:

- ✓ ROI, calculated with a 30% energy savings, was 5 months
- ✓ Prevented corrosion of the dyeing machine.
- ✓ The anticipated/calculated savings, minimum 50% energy savings.
- ✓ Long Lasting-5-10 years.

Note: Application was done when a primer was needed for an earlier version of EPX. Our current version does not need a primer.



Synavax's Turkish Distributor, Kologen Ltd, is an expert in saving energy for the textile industry.

This case study illustrates the benefits that another large textile manufacturer (name withheld by request) experienced after using Synavax Coatings on their dyeing machines.

Steam consumption measurements are on-going on a batch to batch basis daily.

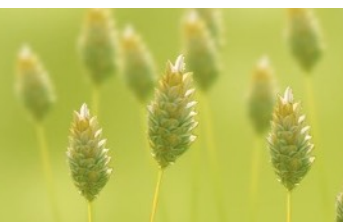
Steam consumption is measured for the process of a multi-stage polyester cotton fabric dyeing; Fabric amount: 500 kg; Liquor Ratio: 1.5; Process duration: 10 hours.

Total expenditure for Synavax Insulation Solution: \$7500 USD.

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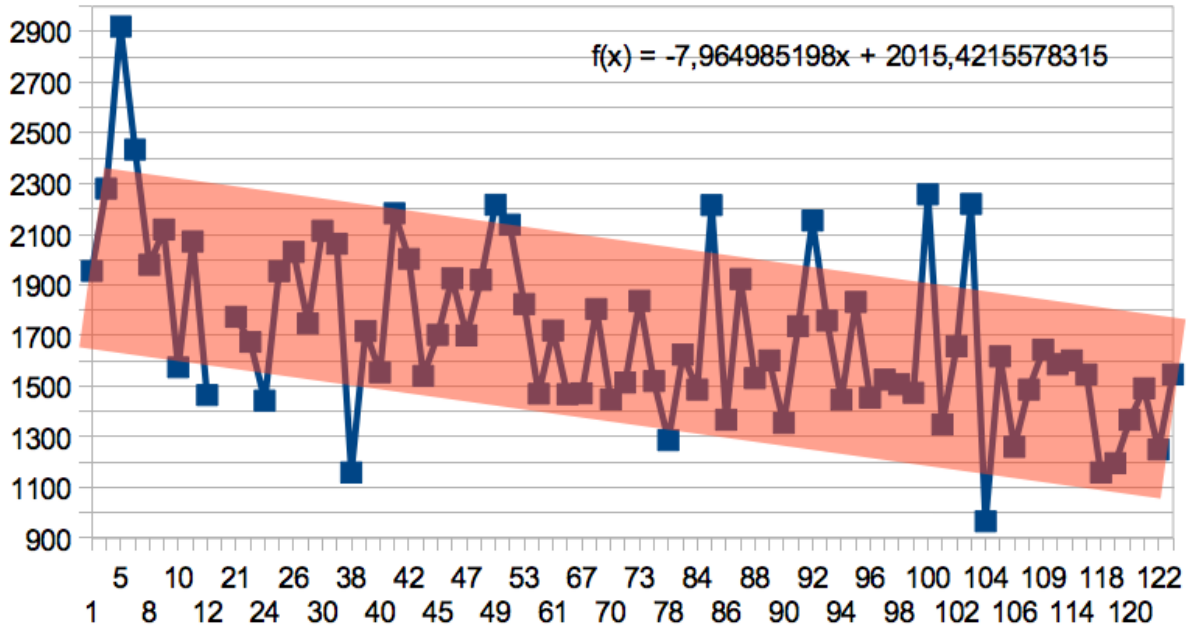
The anticipated/calculated savings, minimum 50% energy savings.

Additional savings in electricity and compressed air are also observed due to less usage of pumps and valves, as a result of lessened heat losses.



CASE STUDY
ADDITIONAL PHOTOS

Award Winning Energy Saving and Asset Protection Coatings



Trend analysis of energy consumption shows a 50% reduction after use of Synavax coatings.

Steam Consumption is measured by a steam-meter installed at the steam entry to the heat-up exchanger of the dyeing machine.