

ChemTreat's Water Treatment Program Helps Improve Packaging Company's Product Quality and Production Efficiency



BACKGROUND

A corrugated packaging company in southern Brazil needed to improve corrugating medium test results in their paper process.

SOLUTION

FIRST STAGE

ChemTreat applied a program including a dry-strength additive and retention aid in emulsion form.

SECOND STAGE

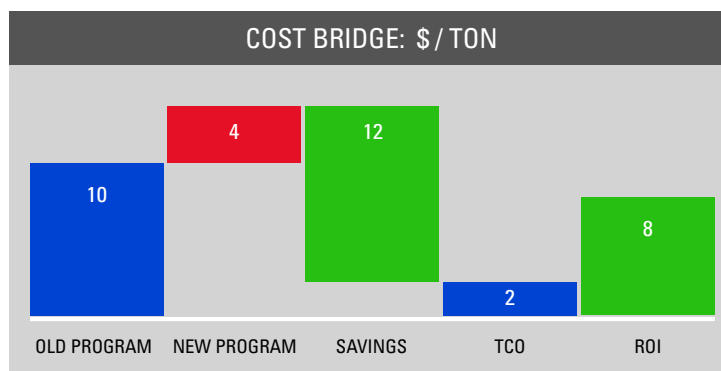
A liquid polymer coagulant was pumped into the system. The equipment was put on-line to ensure accurate product dosing, and dosage was customized for each paper type.

RESULTS

After the application of ChemTreat's products, the customer no longer had to apply cationic starch in their papermaking process, and paper strength properties were improved. The customer also experienced:

- STEAM SAVINGS WITH COAGULANT AGENT
- REDUCTION OF ORGANIC MATTER IN WASTEWATER
- SYSTEM pH INCREASE FROM 5.0/5.5 TO 7.0/7.5
- PRODUCTION INCREASE

ChemTreat continuously evaluates system parameters to determine the correct product dosage and analyzes product consumption rates, ensuring consistent results for the customer.



*Numbers have been rounded to protect customer's identity

The company's previous treatment program consisted of cationic starch, a retention aid, and an anionic trash remover. The chart illustrates the cost comparison of the old program and ChemTreat's new treatment, as well as the programs' relation to the company's savings, total cost of ownership, and return on investment.