

METRIX™ Dragon and PARETO™ technology helps a leading manufacturer of recycled papers to achieve savings of more than 500K USD/YR



ANNUAL SAVINGS

ENERGY

Reduced Total Steam Consumption (5.1%)

US\$ 220k
per year

PRODUCTIVITY

Total Production Increase of 2,712 Tons/year

US\$ 230k
per year

COSTS

Overall Cost Program Reduction of 12.0%

Direct RDF + Dry Strength Program reduced of

US\$ 80k
per year

BACKGROUND

A leading manufacturer of recycled papers produced from pre- and post-consumer waste has a four-ply flat and two-ply paper machine with basis weights of 95 - 210 g/m². This manufacturer has a production capacity of 320 tons/day. The customer was looking for a program to maintain or increase retention and drainage, as well as to improve productivity of their machines and the quality of the paper produced.

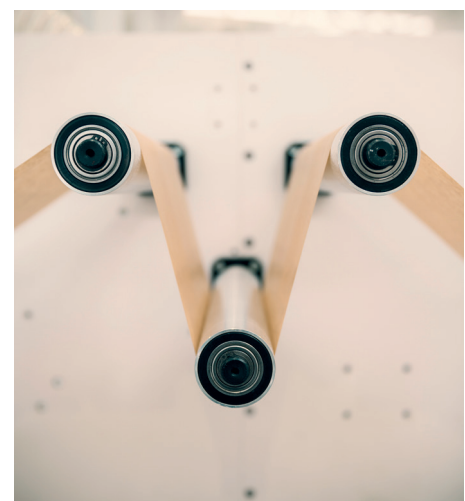
Nalco Water conducted a laboratory evaluation and identified a program that would meet or exceed the

customer's expectations while achieving a cost reduction.

The paper machine used an anionic powder polymer and dry strength, but the customer was looking to improve productivity and reduce the cost of their RDF program, which at high basis weights was difficult to maintain due to the target paper machine speed, poor dryness, and the limit of steam availability. In this situation, it was necessary to reduce the speed of the paper machine to maintain the physical characteristics and moisture under the paper specification.

TOTAL VALUE DELIVERED

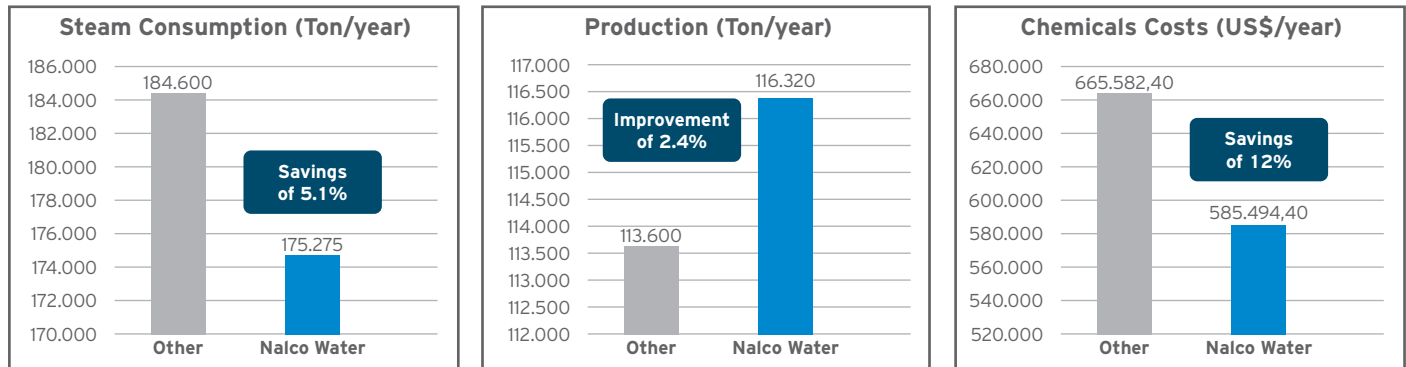
US\$ 530k
per year



SOLUTION

Nalco Water's Hybrid Polymer Program and the Dry Strength Agent, METRIX™ Dragon associated with PARETO™ technology, brought the customer important technical and economic benefits. The program allowed for better machine productivity, formation, and reduced consumption of steam and chemicals.

RESULTS



CONCLUSION

The customer was very satisfied with the results and technical support, realizing a significant reduction in operating costs delivered by the technologies from the Ecolab-Nalco Water team. Our solution led to a substantial production increase and Total Value Delivered was \$530k USD/year for the customer.

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