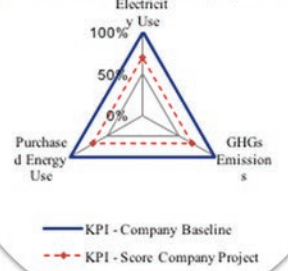




Technical KPIs Scores (project)



SUCCESS STORY

REPLACEMENT OF A PLASTIC BAG PRODUCTION UNIT BY A RECYCLABLE PAPER BAG UNIT

In mid-2016, a new law aimed at addressing the severe pollution and waste problems caused by the proliferation of plastic bags, banned the manufacture, import, export, marketing, and use of plastic bags. As a result, the national demand for more environmentally friendly paper bags has exploded. Domestic manufacturers are transitioning from plastic bag to paper bag production and investing in replacement and expansion lines.

BioBag, a manufacturing firm of packaging for the pharmaceutical industry since 2008, decided to modernize and expand its production to serve the wider paper bag demand of the food and pharmaceutical markets. Biobag acquired a new state-of-the-art paper bag manufacturing machine to replace its plastic bag manufacturing equipment. The investment will allow the production of 100% recyclable, biodegradable hygienic bags.

This new equipment will reduce energy consumption of the company by approximately 31% with a payback period of less than 8 years.



THE COMPANY

Packaging
Location – Sidi Slimane, Morocco



INVESTMENTS

MAD 3 000 000
Paper bag production machine (Matador MG)



PROJECT GOALS

Conversion from plastic to paper bag production
Reduction of energy consumption
Reduction of greenhouse gas emissions



RESULTS

Energy savings: 10 000 KWh/year (31%)
Reduction in CO2 emissions: 6.5 TCO2equiv/year
IRR: 11.8 %
SPBP: 7.71 years

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