

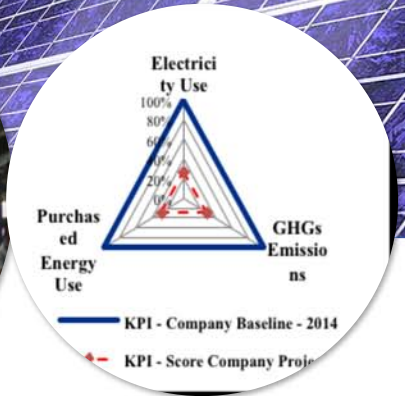


## SUCCESS STORY LEADING CABLING MANUFACTURER INVESTS IN ENERGY EFFICIENCY

Motivated by the recent raw material price fluctuations, the electric market liberalization and a highly competitive market, Imacab, a leading manufacturer of electrical cables (Low Voltage (LV), Medium Voltage (MV), High Voltage (HV) and Extra High Voltage (EHV)) in Morocco decided to modernize its production lines, in order to reduce energy consumption and increase its competitiveness through improved productivity.

The company launched an investment program aimed at renovating the MV cable sheathing line by replacing the DC motor drive with an asynchronous motor with variable speed; establishing a sheathing line for LV industrial cables equipped with an asynchronous motor with variable speed; and renovating the insulating line for domestic cables by replacing the AC current drive motor by a variable speed asynchronous motor.

The investments are estimated to generate 1.5 GWh/year (28.8%) energy savings and 972 TC02 emissions reduction per year.



### THE COMPANY

Industry- Cables manufacturing  
Location – Casablanca, Morocco



### INVESTMENTS

1 725 000 Euros  
Insulation line  
Resonant voltage source 75 kv / 2000 kva  
Motors with VSD



### PROJECT GOALS

Production line renovation  
Increase productivity  
Energy efficiency



### RESULTS

Energy savings: 1 530 MWh/year  
% Energy savings: 28.8%  
Reduction in CO2 emissions: 972 TC02e/year  
IRR: 11.2%  
SPBP: 6.3 years