



# Renovation of a metal cutting plant



-  **PFI :** Maroc Leasing, Assisted project
-  **Company:** Laser Tôlerie Plus – Casablanca, SME, founded in 2004
-  **Activity:** Steel and non-ferrous metal sheets industrial cutting
-  **Eligible MorSEFF Investment:** 546 288 Euros
-  **Description of the investment:** As part of its modernization and expansion plan and in order to penetrate the urban furniture market, the company decided to invest in the latest generation of 2D fiber laser cutting machine to replace an old machine. The new machine guarantees an excellent cutting quality and offers many technological gains in terms of movement and cutting speed, resulting in improved productivity. It is equipped with a fiber laser source that can process reflective materials while ensuring low production costs and high productivity. The use of optical fiber to transport the beam to the cutting head eliminates the consumption of laser gas (CO<sub>2</sub>) and reduces energy consumption by 230 MWh/year (72.6%) and operating and maintenance costs.
-  **Energy savings: 230 MWh/year (72.6%)**
-  **Avoided greenhouse gas emissions : 143 T equiv CO<sub>2</sub> /year**
-  **Internal Rate of Return : 18.6%**
-  **Payback period : 5.38 years**