











# Modernisation of a cattle farm



-  **PFI:** Maghrebail, Assisted project
-  **Company:** Maroc Bovin– Had Soualem - SME, founded in 2011
-  **Activity:** Cattle breeding for meat production
-  **Eligible MorSEFF Investment:** 429 245 Euros
-  **Description of the investment:** Maroc Bovin approached MorSEFF to evaluate and finance its modernisation project consisting of changing from a manual scraping system using tractors and traditional buildings to a new automatic scraping system, equipped with motors and pumps, and a water recycling system which includes a solid / liquid separator. The scraping system reduces the diesel consumption from tractor use while the hydro-cleaning system from recycled water reduces water consumption, improves cleaning quality and diminishes manure odor. This project reduces annual energy consumption by 56 MWh, water consumption by 14 600 m3 and GHG emissions by 173 TCO<sub>2</sub>eq.
-  **Energy savings:** 56 MWh/year (75%)
-  **Water savings:** 14 600 m3/year
-  **Avoided greenhouse gas emissions:** 173 T equiv CO<sub>2</sub> /year
-  **Internal Rate of Return:** 33%
-  **Payback period:** 2.8 years