










Extension of an extrusion blow moulding facility



-  **PFI:** Maghrebail, Assisted project
-  **Company:** Plastikpack- Ben Guerir- SME, founded 2015
-  **Activity:** Plastics industry – Extrusion blow moulding
-  **Eligible MorSEFF Investment:** 460 994 Euros
-  **Description of the investment:** In response to a contract with a new major client and to remain competitive, Plastikpack decided to extend its line by installing a new double head machine aimed at producing one-liter high-density polyethylene (HDPE) jugs. To increase energy efficiency, Plastik Pack invested in a machine using the latest extrusion blow-moulding technologies, including two hydraulic pumps with asynchronous IE3 electric motors with variable speed drives and the use of a brushless DC motor for the extruder. This new machine will increase the capacity from 9 to 16 million plastic jugs per year, and decrease the rate of non-compliance of plastic jugs to 3% against 8% for older machines. The project should result in energy savings of 860 MWh/year and a reduction of greenhouse gas emissions of 551.6 TCO₂e/year. The investment payback period is 3.7 years.
-  **Energy savings:** 868 MWh/year (46%)
-  **Avoided greenhouse gas emissions:** 551.6 T equiv CO₂ /year
-  **Internal Rate of Return:** 28.1%
-  **Payback period:** 3.71 years