



SUCCESS STORY

Air Compressor Replacement/Repair Saves Energy and Money for White Plastic

Facility makes operational changes that reduce costs.



Improved maintenance of air compressor and air system saves electricity.

Mr. Majed Al-Baghdadi, White Plastic Co. General Manager, commented, "Working with the USAID program has helped us to reduce raw material usage and cut down our bills."

By replacing two old air compressors with a new larger model with automatic operation, White Plastic Co. reduced its energy use significantly. This reduction is expected to save the company approximately 36,000 JOD in the first year alone.

White Plastic's electricity consumption is being reduced by approximately 500,000 kWh/year. This is equivalent to eliminating over 260,000 kilograms of CO₂ emissions.

Other changes included repairing leaks in the compressed air network. The facility also began collecting its used cartons and cardboard, and offered them for free to paper collection companies for recycling.

The changes had been recommended in a USAID-sponsored pollution prevention and environmental management assessment.

Established in 1973 in Amman, Jordan, the White Plastic Co. facility in Amman makes plastic cups, containers, trays and bowls, such as those used for yogurt, ice cream, soft drinks, and hot drinks. It employs 40 workers.

General Manager Mr. Majed Al-Baghdadi said, "Through USAID's program, we have gained additional knowledge that helped us to cut down our costs and reduce our usage of raw materials."

White Plastic Co. is one of 30 industrial partners working with USAID to reduce industrial pollution and conserve scarce water and energy resources – in ways that benefit the bottom line. The Water Reuse and Environmental Conservation Project examined water and energy use, material and waste flow, production processes, quality control, and other aspects of each facility's operations. The assessments suggested options for minimizing pollution and saving water, energy, and money. Costs and payback periods for various options were also analyzed.