



Phase-out of chlorofluorocarbon (CFC) consumption in the manufacture of aerosol metered dose inhalers in Egypt

Context

The production of Aerosol Metered Dose Inhalers (MDI) began in Egypt in 1984 because of the relative incidence of respiratory diseases. In the past the propellant used were different CFC gases, which severely depleted the ozone layer and therefore must have been phased out and replaced by chemicals with zero ozone depleting potential in accordance with the provisions of the Montreal Protocol on Substances that Deplete the Ozone Layer.

Strategy

The project was funded by the Multilateral Fund for the Implementation of the Montreal Protocol and implemented by UNIDO in close cooperation with the Egyptian Environmental Affairs Agency (EEAA) through the National Ozone Unit of Egypt.

While the CFC MDI replacement technology was sourced from appropriate centres of expertise from Italy and Switzerland using funds requested under the project, UNIDO were overseeing and closely monitoring the successful implementation of the project, and provided additional technical assistance during the whole project execution.

Current Status

The project helped Egypt to:

- eliminate CFC gases from the country by 2010 in line with Montreal Protocol obligations;
- convert utterly CFC based MDI manufacturing to CFC-free technology.

Impact / Outlook

In order to meet the Montreal Protocol CFC targets of Egypt for 2006-2010 and beyond, all the stakeholders considered the project of major importance and contributed to the best of their knowledge. The outstanding cooperation between local and international authorities and between the equipment and technology providers promised high level of efficiency from the very beginning. This process resulted in the successful completion of all the project's objectives and the total elimination of CFC gases by 2010 both in the MDI manufacturing sector and overall in Egypt. In the Arab countries, the project has been pioneer in its kind, thus UNIDO in the region intends to highly rely in the future on the experiment and achievements gained through it.

At a glance

OVERALL GOAL:	Compliance of Egypt with the Montreal Protocol on Substances that Deplete the Ozone Layer
MDGs:	Goal 7. Ensure environmental sustainability, Goal 8: Develop a global partnership for development
THEMATIC AREA:	Environment and Energy
DONOR:	Multilateral Fund for the Implementation of the Montreal Protocol
PARTNERS:	Egyptian Environmental Affairs Agency (EEAA), National Ozone Unit, Egypt