



United Nations  
Framework Convention on  
Climate Change

**Project 0116**  
N<sub>2</sub>O Emission Reduction in  
Paulínia, SP, Brazil

## N<sub>2</sub>O EMISSION REDUCTION IN BRAZIL

This project consists of a facility which uses the thermal decomposition process to convert nitrous oxide into nitrogen at a high temperature. A boiler that generates steam with high temperature combustion gases from the thermal oxidiser has also been installed. The installation of the decomposition plant avoids N<sub>2</sub>O emissions (GHG emissions).

Unit: CER (Certified Emission Reduction) accredited under the UNFCCC (United Nations Framework Convention on Climate Change).

### Main benefits associated with the project

- ✓ **Local jobs** created in construction, operation and maintenance services in the Paulínia plant in Brazil.
- ✓ Increased **commercial activity** thanks to the reduction in N<sub>2</sub>O emissions.
- ✓ **Reduction in the use of fossil fuels** and increase in the use of Paulínia's local resources.
- ✓ **Economic benefits.** Installing the decomposition plant not only promotes sustainable development by restricting GHG emissions, it also brings economic and technological benefits to the country by providing direct and indirect jobs and transferring thermal decomposition technology from the United States.
- ✓ **It strengthens the local economy**, reducing dependence on fossil fuel consumption.

