



Atocongo fuel switch, Peru

This project involves switching from coal to natural gas in two cements kilns at the Atocongo Cement Plant. This is achieved by installing natural gas burners in the cement kilns.

Location



This project is situated within the Villa María del Triunfo district that is located 20 km southeast from the center of Lima city in Peru.

Project



The project aims to reduce greenhouse gas emissions (GHG) from the Atocongo Cement Plant. The project owner is Peru's largest producer and supplier of cement. This project achieves emissions reduction by switching from fossil fuels to natural gas. Natural gas is significantly less carbon intensive as it has a lower CO₂ emission factor.

It is estimated that 50% of the GHG emissions in the cement industry derive from the chemical process, and 40% from the combustion of fuel. Switching to natural gas is therefore an efficient alternative to reduce GHG emissions. The project prevents approximately 270 thousand tonnes of GHG from entering the atmosphere each year, which makes 30% of the production emissions.



The project owner is also strongly engaged in improving the stakeholders' living conditions, be it with education campaigns and school support, or with the support and organization of traditional music festivals and theatre workshops. Leading the Peruvian economy by example, the company is also engaging in recycling, wastewater treatment, and other environmental-friendly activities.

Project achievements



Socio-economic impact:

- The project owner created the “Construyendo Voluntades” program to address the needs of the poorest members of the adjacent communities with immediate material and/or humanitarian help. Among these activities are the “Back to School Campaign”, or christmas hampers.
- Particularly engaged in educational topics; for example, the company aims to improve mathematics performance among students in a network of 22 schools in southern Lima. In another initiative, science topics are taught for children under the age of seven, based on play and exploration, implemented in the Lima District of Pachacámac and in rural villages. So far, 200 children have learned some science in 2 visits by a dedicated “science bus”.
- 70 pupils so far have participated in the “My Theatre” workshops, supporting theater companies at primary and secondary schools in southern Lima.
- 70 schools have participated in the annual School Dance Competition “Rhythms of Our Land”, supported by the company.
- In their “Knowing the Factory” program, the project owner is inviting the employees’ families for New Year celebrations, a children’s party, internal volleyball tournament and football academy.
- A local polyclinic is open to the neediest people of southern Lima who, for a variety of reasons have no access to health services in the area. The Center can treat 400 people in general practice, pediatrics, gynecology and gastroenterology, it has a clinical laboratory, pharmacy and rehabilitation facilities. The company granted crucial support in setting up the polyclinic.

Environmental impact:

- The project owner is organising a community tree-planting program, with thousands of hectares planted every year, and hundreds of trainings given over the years.
- With the new natural gas technology implemented, the environmental impact of coal transport from mine to project site is eliminated.
- Also, local air pollution is almost completely eliminated by switching to natural gas, vastly improving the health for the community and working conditions at the plant.

Checklist Projekt 301 480



✓ Additionality and permanence:	according to the rules of the VCS
✓ 3 rd party verified::	by TÜV Süd
✓ Transparency:	provided by APX Registry
✓ Annual CO ₂ -reduction:	130,000 tCO ₂ e
✓ Social and environmental benefits:	as documented in our database
✓ Marketing material:	pictures available

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