

GOMES DE MATTOS BRAZIL

Sustainable Brick Production preserves Caatinga vegetation

Through this project, the Gomes de Mattos brick & tile factory in Brazil has switched their fuel production from firewood to renewable biomass, such as agricultural and industrial biomass residues. This reduces deforestation and greenhouse gas emissions, improves working conditions, and generates jobs and additional income sources for locals who supply biomass to the factory.



*Reducing deforestation
and promoting a
sustainable regional
economy.*

The Gomes de Mattos factory in Brazil is situated in the municipality of Crato, in the Northeast of Brazil. Previously, the brick and tile factory had been using native firewood as fuel for the manufacturing process. Since 2006, the factory uses 100% agricultural waste and forestry residue, such as cashew tree and babaçu palm coconut husks, for fuel.

The project contributes to reducing emissions and preserving endangered plant species in the surrounding Caatinga vegetation. The factory engages with local communities by organizing regular events, dental care, and recreational activities. Through the construction of a soccer field for employees and the community, the project promotes sports, health and wellbeing. Environmental initiatives include the support of the Araripe Geopark, the endangered bird species "Soldadinho do Araújo", and sustainable forest management activities in the area.



500

students trained in sustainable manufacturing practices each year



28,342

tCO₂e mitigated



1,944

tonnes of native firewood replaced with biomass residues each year

PROJECT HIGHLIGHTS

For more information on the UN Sustainable Development Goals please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>