



SOL NASCENTE BRAZIL

**Switching fuel sources from native
wood to renewable biomass**



This project has enabled the Sol Nascente ceramics factory in the state of São Paulo to substitute native wood with waste biomass, mainly sawdust, as main fuel source for the plant's kiln. This fuel switch reduces deforestation, prevents greenhouse gas emissions, and improves working conditions for employees.



Using wood residue as fuel improves energy sustainability and protects native vegetation.

The Sol Nascente factory produces construction ceramics like bricks, mainly destined for the local market in Panorama and its surroundings in the state of São Paulo. Before the implementation of this project, the factory was using native wood from the Cerrado biome to produce around 760,000 ceramic devices per month.

Through this project, the factory now uses wood residue, such as sawdust which is usually discarded as waste. This fuel-switch contributes to reducing greenhouse gas emissions, preserving endangered plant species, and minimising the deforestation of the Cerrado biome.

Implementation of the project has led to the creation of new jobs at the factory, and stimulated investments in the region. The project has improved working conditions through semi-automated biomass feeding systems and training opportunities for employees.



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Employees benefit from better working conditions



10,411

tCO₂e mitigated per year



7,711

tonnes of wood saved per year

PROJECT HIGHLIGHTS

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