

Barbosa's Contribution to Sustainable Development Goals

3 - GOOD HEALTH
AND WELL-BEING



7 - AFFORDABLE AND
CLEAN ENERGY



8 - DECENT WORK AND
ECONOMIC GROWTH



13 - CLIMATE
ACTION



Project Description

Barbosa is a ceramic factory producing bricks located in northern Brazil, in the municipality of São Miguel do Guamá (PA). In the past, the factory used native Amazon firewood as fuel to produce its ceramic pieces. In order to change this situation, the factory switched to fuelling its kilns using exclusively renewable fuels, such as açai seeds, Brazil nut shells and sawdust in 2007. The fuel switch created reductions in atmospheric Greenhouse Gas (GHG) emissions, and enabled Barbosa to participate in the international carbon market. Today, Barbosa factory generates carbon credits, and it reinvests the income from carbon credit sales into modernizing the factory and into benefits for the workers and the local community.



Social Benefits

- **Community development:** Construction of headquarters for the Association of Rural Açai Producers and of a Professional Education Centre in the municipality.
- **Workers' wellbeing:** Construction of refectory, lecture hall, and space for workers with computers.
- **Public cleaning:** Contribution to the municipal "Cleaning Mob" campaign, in which trucks and labour were donated to collect rubbish and clean the city.



Environmental Benefits

- **Reforestation:** Planting of 28,000 *Acacia mangium* seedlings.
- **100% renewable biomass:** Use of açai seeds, Brazil nut shells and sawdust as fuel.
- **Cleaner production:** Studies of the production process conducted to reduce the factory's environmental impact.



Economic Benefits

- New markets created for local biomass suppliers.
- Increased financial resources for socio-environmental investments, thanks to credit sales.
- **Technological advancement:** New kilns built and electronic controls installed.

Barbosa's Contribution to Sustainable Development Goals (SDG) by ONU

Project Highlight



AÇAÍ AND LOCAL DEVELOPMENT

Being a traditional food source in Northern Brazil, açai feeds an entire chain of production and creates income for innumerable Brazilian families. Recognising the fruit's importance for the region's development, Barbosa factory is working in partnership with a local Açai Producers Association. Barbosa is building the Association's headquarters and also buys the açai seeds for use as fuel in the ceramic kilns. According to Sr. Eliézer, the President of the Association, *"the seeds used to lie in the street and we had to pay to have them disposed of. Now, thanks to the carbon project, Barbosa pays for the açai seeds. This is a great help for us, the producers"*. Once the headquarters are completed, the producers will have space to hold meetings and produce frozen açai pulp for export.



SDG 3: Good health and well-being

- The ceramic offers Personal Protective Equipment (PPEs) and its rigid about the use of the PPEs.
- The factory accomplishes all the mandatory programs of work safety



SDG 7: Affordable and Clean Energy

- The factory uses Biomass as fuel to produce ceramic pieces instead of native wood
- High efficient Kilns in the production process



SDG 8: Decent Work and Economic Growth

- Improvement of working conditions for the employees and the strong health and safety practices in the factories



SDG 13: Climate Action

- By changing the fuel from native wood to biomass Gomes de Mattos ceramic became a Carbon Neutral Project
- Protection against deforestation of Rainforest Biome

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THIS PROJECT
ALREADY SAVED
60 HECTARES
OF AMAZON BIOME

THIS PROJECT HAS
ALREADY REDUCED THE
EMISSION OF
192.630 tCO₂e
ON THE COURSE
OF 10 YEARS

AND WILL AVOID MORE
19.971 tCO₂e
ON THE FOLLOWING
10 YEARS

Location

São Miguel do Guamá/ PA,
Brasil

Project Type

Renewable Biomass

Ecosystem

Amazon Rainforest

Project Status

Verified
(6th monitoring period)

DOE

Earth Hood, Bureau Veritas,
TÚV Nord; TÚV Rheiland; URS

[Video](#)

[Registry](#)

[Markit™ Enviromental](#)

Standards

VCS + SOCIALCARBON®

