



Kitambar's Contribution to Sustainable Development Goals

3 - GOOD HEALTH AND WELL-BEING



4 - QUALITY EDUCATION



7 - AFFORDABLE AND CLEAN ENERGY



8 - DECENT WORK AND ECONOMIC GROWTH



13 - CLIMATE ACTION



Project Description

Kitambar is a small producer of ceramic bricks and tiles located in the countryside of Caruaru (PE), in the northeast of Brazil. The factory historically used native timber from the **Caatinga**, an endangered and unique Brazilian ecosystem, as fuel to produce ceramic parts. However, in 2007, the factory chose to create a more **sustainable production process** to reduce its environmental impact. They abandoned the use of native wood and invested in equipment to feed the kilns with renewable biomass, such as **cashew tree residues and coconut husks**. The switch significantly reduced GHG emissions into the atmosphere and also generated carbon credits. Furthermore, since the implementation of the project, the factory has invested in **improving the workplace** and supporting social projects that benefit the **surrounding community**.



Social Benefits

- Encouraging local culture: Located in the capital of Forró (a typical Brazilian dance), the factory uses music as a creative means to spread the word about their environmental initiatives
- Job Opportunity: project developed with Pernambuco's Federal Institute (IFPE) to hire interns for security area.
- Worker's well-being: Partnership with SESI to worker's literacy, professional capacitating and gymnastic courses.



Environmental Benefits

- The factory annually monitors air emissions to watch for harmful particles that might affect the community.
- Four different types of biomass are used: cashew tree residues, coconut husks, wood waste and algaroba wood.
- **"I protect the Armadillo"**: Protection and conservation programs to three-banded armadillo, a Brazilian native specie.



Economic Benefits

- Introducing new technology: Installation of digital temperature controls and new methods to reuse the heat from the kilns in the drying process
- Investment in product quality analysis using regional laboratories
- New clients for the company, thanks to environmental project's propagation



Kitambar Contribution to Sustainable Development Goals (SDG) by ONU

Project Highlight



INVESTORS IN HEALTH: SUPPORTING THE CARUARU COMMUNITY

Kitambar works in partnership with the Agreste Region's Children's Cancer Institute (ICIA), which provides medical treatment for children with cancer. According to the hospital's Executive Director, Sra. Suarez, "Kitambar is a marvelous partner, if only in terms of relieving the worries relating to constructing buildings, they are already a huge help". Besides this initiative, the factory built a rehab center for drug users in the neighboring community. "Since the very beginning Kitambar has been with us, all the housing, the whole constructed area was built by them", says Sr. Wagner, the representative of the center. Sr. Barbosa, the factory Owner, concludes, "this work affected us deeply. These are people with no financial wherewithal, carrying out a project of such great import".

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 has an engineer, who is responsible for ensuring best practices of health and security at the ceramic
- The ceramic has CIPA (Intern Comission for Prevention of Accidents) and other mandatory programs for safety at work
- Vaccination of H1N1 for all employees

SDG 4: Quality Education



- The ceramic fabric has many projects of training and education for their employees, for example: how to sell ceramic products, use responsibility and conservation of PPE, how to avoid accidents, sustainable production and others.

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 Kitambar ceramic became a Carbon Neutral Project
- Protection against deforestation of Caatinga Biome



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THIS PROJECT
ALREADY SAVED
155 HECTARES
OF CAATINGA BIOME

THIS PROJECT WILL AVOID
THE EMISSION OF
417.800 tCO₂e
ON THE COURSE
OF 10 YEARS

Location

Caruaru / PE, Brasil

Project Type

Renewable Biomass

Ecosystem

Caatinga

Project Status

Verified
(5th monitoring period)

DOE

Bureau Veritas, Ibope

[Video](#)

Registry

[Markit™ Enviromental](#)

Standards

VCS + SOCIALCARBON®

