

Project title : PYROCOCA - Manufacturing of new-generation pyrolysis furnaces and participation in the dissemination of the technology

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Burkina Faso	75 600 €	Consortium leader	gebana AG, Atelier de Soudure Industrielle Somtinda - ASIS, GenieXteam, REPIC, Generation Carbon	August 2024 - June 2026

Project's goals and results

Main goals

Design, manufacture, and install two pyrolysis furnaces designed by Generation Carbon and fueled by cashew nut shells for the production of biochar at the Gebana Faso cashew and dried mango processing unit

Specific objectives

SO1. Install pyrolysis furnace for cashew shells in the gebana Faso boilerhouse

SO2. Assess the conditions for replicating the pyrolysis furnace in other mango drying units

Beneficiaries

- [gebana Faso](#)
- [Generation Carbon](#)
- Professional networks of mango processors (RPTGA, PTRAMAB)

Results

Activities

A1. Adapted design of Generation Carbon pyrolysis furnaces for local construction

A2. Manufacture and installation of pyrolysis furnaces by Burkinabe builders

A3. Start-up, calibration, and any necessary adjustments to the furnaces to ensure optimal operation

A4. Training on the use and maintenance of pyrolysis furnaces

A5. Participation in the assessment of opportunities for disseminating these pyrolysis furnaces within mango drying units around Bobo-Dioulasso

A6. Participation in capacity building on adapting the design of pyrolysis furnaces to other formats