Project title : PYROCITA - Supply and installation of a pyrolysis unit at the Cashew Innovation and Technology Center (CITA)

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	66 000 €	Bio-energy expertise	CCA - Conseil Coton Anacarde	August 2022 - December 2024

Project's goals and results

Main goals

Nitidæ has been working on the thermal recovery of cashew shells since 2011, in particular through pyrolysis and gasification techniques allowing cleaner use of heat than in simple combustion and the production of a secondary fuel in the form of green charcoal.
As part of the implementation of the Project to Promote the Competitiveness of the Cashew Value Chain (PPCA), the Cotton and Cashew Council has contracted with Nitidæ to install a solution for the energy recovery of shells cashew nuts at the Cashew Innovation and Technology Center (CITA) located in Yamoussoukro

Specific objectives

SO1. Training of craftsmen in metal construction in the construction of pyrolysis furnaces and boilers for the recovery of cashew shells. The equipment installed in "school site" mode will make it possible to use cashew nut shells for the production of steam and green coal
SO2. Training of operators of the CITA boiler room in the use of cashew nut recovery equipment installed: pyrolysis boiler room and carbonization platform
SO3. Realization of an H2CP pyrolysis furnace coupled to a vertical boiler for the production of steam that can be used in the steam network of the CITA plant
SO4. Realization of a platform of four H2CP pyrolysis furnaces which will be mounted in parallel for the carbonization of the hulls

Beneficiaries

Results

Activities