

## Project title : PROAGROVALOR - Support to Agrovalor craftspeople for sustainable spread of Agrovalor technologies within the framework of SolinAE - Innovative solutions for access to sustainable energy off-grid

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Côte d'Ivoire	146 000 €	Coordination	Agency for ecological transition - ADEME, AFD - French Development Agency, Chigata, Atelier de Soudure Industrielle Somtinda - ASIS	January 2020 - March 2022

### Project's goals and results

#### Main goals

The small agrifood industry often uses rudimentary, energy-intensive and polluting tools. The project is part of the current Agrovalor RCI project, which aims to distribute efficient equipment (pyrolysis ovens, bio-digesters, etc.) and adapted to the energy recovery of waste resulting from the processing of cashew nuts, cassava and shea nuts in local food processors in these sectors

#### Specific objectives

- SO1.** Design and market suitable technologies for the energy recovery of cashew shells and waste from the processing of cassava and shea  
**SO2.** Strengthen local skills through the training of young technicians, the structuring of equipment supplier operators and the appropriation of results by a public body

#### Beneficiaries

- 9 different industrial sites to install 5 pyrolysis ovens, 3 boilers, 2 dryers and 4 biodigesters
- 4 groups of producers/processors
- 2 Ivorian structures reinforced in the design, manufacture, marketing, and installation of agrovalor equipment for processing shea
- the population made aware of the environmental and socio-economic issues addressed by these technologies

#### Results

- R1.** A reduction in carbon emissions (2,577,904 tonnes of CO2 avoided)  
**R2.** A reduction in the pressure on the forest (826 tonnes of wood saved)  
**R3.** Green fuel production (75 tonnes of coal produced)  
**R4.** Valorization of fermentation juice (294 m3 treated cassava juice)  
**R5.** A reduction in the externalities of the processing of shea (700 m3 of treated shea sludge)

#### Activities

- A1.** Installation of 5 pyrolysis ovens and training of staff for each beneficiary  
**A2.** Valorization of organic shell charcoal  
**A3.** The study, pilot tests, demonstration and capitalization of treatment and recovery solutions for shea and attiéké waste water, including biogas, composting, market gardening use, separation of components added value  
**A4.** Environmental assessment and implementation of financing mechanisms adapted to women's groups  
**A5.** Sensitization and capacity building of women's groups  
**A6.** Study of opportunities for replicating professional training  
**A7.** Support for the creation or strengthening of 2 operators to design, market, manufacture and install the equipment  
**A8.** Monitoring / Evaluation  
**A9.** Capitalization, communication