1. Project Title	**CONSTRUCTION OF AN ORGANIC RICE STRAW PACKAGING FACTORY IN SAN PEDRO**
1.1 Type	Private or Public-Private Partnership (PPP)
1.2 Sector / Industry	INDUSTRY - RECYCLING
1.3 Project Owner	PRIMATURE
1.4 Contacts	▪ **Last Name and first name:** ▪ **Title:** ▪ **Phone :** ▪ **E-Mail:**
2. Project Description	
2.1 Implementation Area	San Pedro
2.2 Targeted SDGs	SDG 8 : Decent work and economic growth ▪ Creation of 1,000 jobs (direct and indirect) in the San Pedro region, stimulating the local economy. ▪ Support for economic growth through innovative green industry. SDG 9 : Industry, innovation and infrastructure ▪ Development of a sustainable industrial infrastructure based on advanced biotechnology. ▪ Valorisation of residual biomass through environmentally friendly technologies. SDG 12 : Responsible consumption and production ▪ Sustainable use of agricultural waste (rice straw, pineapple and mango waste). ▪ Production of biodegradable packaging, reducing non-recyclable plastic waste. SDG 13 : Combating climate change ▪ Reduction of CO_2 emissions by 16 million kg per year, contributing to the mitigation of climate impacts.

2.3 Context and Justification	Côte d'Ivoire, which is experiencing rapid economic growth, is facing growing environmental challenges, particularly in relation to the management of plastic and agricultural waste. Every year, large quantities of biomass, such as rice straw, pineapple and mango waste, remain unused or are disposed of in an unsustainable manner, contributing to pollution and wasted resources. At the same time, global demand for biodegradable packaging solutions is growing rapidly, supported by international regulations aimed at reducing single-use plastics. Against this backdrop, the construction of a plant to manufacture biodegradable packaging from rice straws is an innovative and strategic response. By recycling local agricultural waste using cutting-edge green technologies, this project aims to transform Côte d'Ivoire into an African leader in sustainable technologies, while creating economic opportunities for local people and making a significant contribution to reducing negative environmental impacts.
2.4 Problems to Address	- Preservation and marketing of products - High carbon emissions, water consumption, solid waste and electricity. - Changes in packaging regulations to minimise single-use plastics and switch to biodegradable packaging.
2.5 Project Objectives	▪ The aim of the project is to offer an alternative to bioplastics by setting up a bio-packaging plant in San Pedro. The products (biodegradable F&B, medical and electronic packaging products) will be based on raw materials derived from rice straw, rice husks and papaya latex that are 100% biodegradable, fully compostable in 6 months (180 days) Key figures ▪ 74 ha site proposed by San Pedro town council for industrial development. ▪ Immediate access to various green technology funds around the world, amounting to USD 7 billion intended to be channelled into Côte d'Ivoire's economic growth. ▪ Obtain carbon credits attributed to stopping the burning of existing paddy straw produced by farmers.
2.6 Expected Results	▪ Creation of the Technology Centre (pulp processing and R&D) ▪ 10,345 hectares of rice-growing area planted at a production rate of 1.5 MT/ha
2.7 Economic Profitability	▪ Annual export revenues of USD 12 million (FCFA 7.4 billion) ▪ Potential 25x growth in Côte d'Ivoire with annual export sales of USD 300 million (FCFA 186 billion) ▪ Annual sales of USD 1.2 million (ROI 12%) for 1 plant and USD 12 million (ROI 24%) for 10 plants ▪ BEP (Break Even Point): 10 years (1 plant) - 4.2 years (10 plants) ▪ IRR of 18% for 1 plant and 30% for 10 plants

2.8 Project Components	1. Infrastructure Development 2. Raw Material Sourcing and Supply Chain 3. Sustainability and Compliance
2.9 Implementation Timeline	▪ Start of construction : Availability of financing ▪ Duration : 3 years
2.10 Estimated Budget	▪ **30 000 000 $ US** (18,6 milliards FCFA)
2.11 Beneficiaries	▪ Local farmers: Supply of biomass (rice straw and other agricultural waste) for additional income. ▪ Local workers: Direct and indirect employment opportunities in industry and logistics. ▪ Ivorian industry: Strengthening industrial competitiveness through sustainable innovation. ▪ International markets: Supply of biodegradable packaging that meets global environmental standards.
2.12 Impacts	Environmental and social impacts : - Environmental impact : o Reduction in plastic pollution: Biodegradable packaging replaces single-use plastics, reducing the environmental burden. o Recovery of agricultural waste: Reduction in the burning of rice straw and other organic waste, limiting greenhouse gas emissions. o Adoption of the circular economy: Transformation of waste into useful resources, minimising waste. - Social aspect : o Job creation: 200 direct jobs at the plant and 800 indirect jobs, particularly for farmers and supply chains. o Support for local farmers: Integration of small-scale farmers into a sustainable value chain. o Reducing rural poverty: Increasing farmers' incomes through the sale of residual biomass.
2.13 Supporting Structures	Afric NEXUS

2.14 Project Execution Status	■ Identification ■ Preliminary Assessment ■ Feasibility Study ☐ Search for Technical Partners ☐ Funding Mobilization ☐ Signed Contracts ☐ Implementation
2.15 Financing Method	☐ Government (Public) ■ Private ■ PPP ☐ Lender