



Senegal

Applicant: Bureau de Mise a Niveau des Entreprises du Senegal

National Designated Entity: Mr. Issakha Youm
Centre d'Etudes et de Recherches sur les Energies Renouvelables

Duration: 7 months

Status: Under implementation

Budget: 50,000 USD

Technical Assistance Plan: UNIDO

Implementer: Sofies SA

Green technology deployment in industrial zones

CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technical assistance aligned with national climate objectives.

CHALLENGE

Senegal has a growing industrial sector. However enhanced options for energy efficiency and industrial symbiosis remain untapped.

ACTION

- Conduct resource efficient and cleaner production assessment of 5 priority industries to identify potential technology and process improvements
- Develop a set of recommendations (policy, regulatory, financial, technical, etc.) for each industry and action plan for implementation
- Identify and disseminate best practices for eco-industrial park development with a focus on industrial symbiosis (common water; energy and material resources and treatment systems; energy and material recovery; waste valorisation; use of renewable energy and sustainable material substitutes; material and by-product reuse and recycling)

IMPACT: Carbon emission abatement

- 5-10 % reduction in energy consumption and green house gas emissions in each of 5 enterprises
- Recommendations which are scalable and replicable to other enterprises

THIS PROJECT ADVANCES:

Senegal's Nationally Determined Contribution

- Industrial process improvements
- Reduction of industrial GHG emissions (10% by 2025)

Senegal Technical Needs Assessment

- Strategic and detailed implementation measures to deploy climate technologies in industries

SUSTAINABLE DEVELOPMENT GOALS



“The CTCN can accurately find the right experts, help to develop technology options, remove the barriers and also identify financial partners to implement technologies in countries”.

-Mr. Issakha Youm, Centre d'Etudes et de Recherches sur les Energies Renouvelables, Senegal

Learn more about CTCN technology transfer

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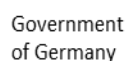
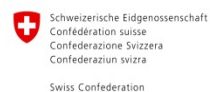
The CTCN is the operational arm of the UNFCCC's Technology Mechanism and is hosted by the United Nations Environment Programme (UNEP) and the United Nations Industrial Development Organization (UNIDO).

THE STORY

In response to Senegal's request for assistance in improving energy and resource efficiency within its growing industrial sector, the CTCN utilized the expertise of UNIDO, Sofies SA and Senegal's National Designated Entity to respond with a two-pronged strategy:

- 1) Target industries in 5 priority industry (e.g. agro-food, textile/leather) to introduce new technological and process upgrades for resource efficiency and decreased pollution; and
- 2) Provide guidance in the development of greenfield industrial parks (such as the Diamniadio Industrial Park) by integrating industrial symbiosis into the planning process. Once operationalized, the park will facilitate by-products exchange among ten specialized labour-intensive hubs in textiles, agro-food products, household goods, electronics, aeronautics and services, and offer trade and tax incentives to attract investors.

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