



## 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 Planned by:**  
UNIDO

**Implemented by:** Sofies SA

## Green technology deployment in Senegal's industrial sector

### 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, modern options for energy efficiency and industrial symbiosis remain untapped.

### CTCN ASSISTANCE

- Conduct resource-efficient and cleaner production assessments of 5 priority sectors to identify high potential technology and process improvements
- Develop a set of recommendations (policy, regulatory, financial, technical, etc.) for each sector and an implementation plan for a pilot enterprise in each sector
- Identify and disseminate best practices for development of an eco-industrial park with a focus on industrial symbiosis (including energy and material resources treatment and recovery; waste valorisation; use of renewable energy and sustainable material substitutes; and by-product reuse and recycling)

### INTENDED IMPACT: Carbon emission abatement

- Design of technology solutions that can result in a reduction of up to 10 % in energy consumption and greenhouse gas emissions in each pilot enterprise. Recommendations can be replicated and scaled-up nationally in other industrial enterprises to multiply impact.

# THIS ASSISTANCE SUPPORTS

Senegal's Nationally Determined Contribution to:

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

Senegal's Technology Needs Assessment priorities:

- 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:

- 1) Targeted technical support to pilot enterprises in 5 priority sectors (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 the exchange of by-products 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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