



International
Labour
Organization



► STRENGTHEN2



Co-funded by
the European Union

► Ex ante employment impact assessment of the SMART GRID project in Senegal

Background

STRENGTHEN2 is a joint initiative of the European Union and the International Labour Organization (ILO) that focuses on leveraging employment impact assessments to promote the creation of decent jobs in sub-Saharan African countries.

Methodologies

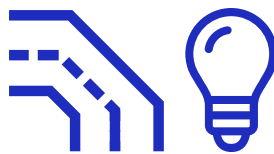
Direct jobs

Estimates based on the employment-investment ratio.

Indirect and induced

Matching domestic expenditure items with the SAM-GTAP database for sectoral shocks.

Sector



Energie/Electricity

Sources of finance



**52 million
euros**

AFD, EU

between **2024** and **2026**

Objectives



1. Modernise the transport and distribution networks in order to improve their efficiency and technical performance, and better manage the intermittent nature of renewable energies;
2. Reinforce transport networks in order to integrate production capacity from renewable energies;
3. Increase the share of renewable energies in Senegal's electricity mix;
4. Densify the network in areas with poor coverage.

Results

1. Employment in headcounts

574 total jobs



192 direct jobs

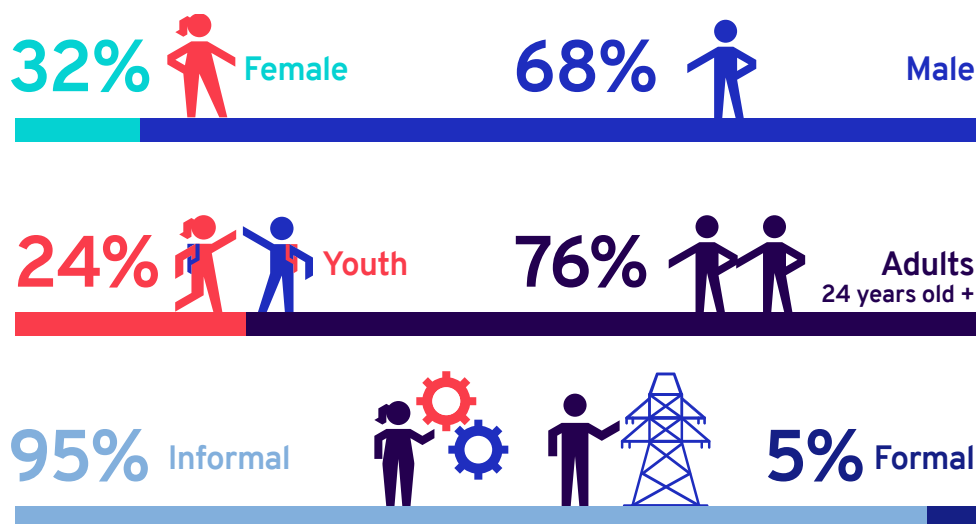
382 indirect and induced jobs



100 jobs per billion CFAF of investment,

ie a total of CFAF **5.7** billions of domestic investment

2. Socio-economic characteristics of direct and induced employment



Recommendations

- Develop an ex-ante monitoring and evaluation mechanism that can also be used for systematic data collection throughout the implementation of public investment projects and thus encourage more accurate ex-post evaluations
- Systematically explore the labour-based approach in the implementation of activities, technological options and local equipment, thereby promoting local job creation and the development of local SMEs. Combining local participation in planning with the use of locally available skills and technologies has proven to be an effective and economically viable approach for infrastructure works and job creation in many countries.
- Develop active, explicit and proactive policies aimed at defining a quota of jobs for young people and women when implementing projects.

[Full report \(in French\)](#)

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