



Building skills in electronics and telecommunications in Senegal

Project implemented from: March 2022 to Dec. 2024
 Sectors: Electronics and telecommunications
 Agency: LuxDev



Opportunity

The world is rapidly **digitising** across all industries and supply chains. In Senegal, major telecommunications companies like Orange, Free, and others are expanding rapidly and rely on micro, small and medium-sized enterprises (MSMEs) as local subcontractors. These companies need to increase their recruitment efforts but are facing a **shortage of skilled labour**. To address this, the Ministry in charge of Vocational Education and Training (VET) is implementing a national digital development strategy aiming to integrate digital technologies into VET, and position VET as a key driver for the digital economy by 2025.

VET Toolbox established a national **public-private dialogue platform** (Advisory Board) to identify specific **opportunities** for **local job creation**. It includes Eurocham Senegal, the European

Investment Bank (EIB), the EUD, Senegalese employers, the National Training Fund, and the Ministry in charge of VET. In the Louga region, in particular, the shortage of skills in electronics and telecommunications has been brought to the attention of the Advisory Board. Local MSMEs have expressed their **need for qualified staff** to respond to the **rising demands** of major companies and other market developments along the value chain.

This project aims not only to create **employment opportunities** in the ICT sector in the Louga region but also to improve the accessibility of electronic maintenance services. Additionally, it has the potential to reduce the environmental impact associated with the electronic equipment value chain by preventing obsolescence and unnecessary replacements.



Achievements

VET Toolbox involves a range of public and private stakeholders at various levels to address the skills gap in electronics and telecommunications and contribute to the development of the ICT sector in the region. So far, notable accomplishments include:

- Setting up a **partnership agreement** between the company Lucas Nülle and CEFAM Louga, resulting in the set-up of a **multifunctional digital room** with innovative pedagogical equipment manufactured in Germany at CEFAM Louga. The digital room ensures a high quality of teaching and learning at the CEFAM Louga and serves as a capacity-building facility for trainers from VTIs.
- Conducting **training of trainers** led by Lucas Nülle, involving 16 professionals and trainers

from CEFAM Louga and five neighbouring centres.

- Developing **modular training** in **electrical** and **digital maintenance** and improving access and quality of teaching and learning by using digital tools, digital teaching and e-learning resources.
- **Capacity-building** and **upskilling** for employees of subcontracting companies to better meet the needs of large telecom companies.

Key targets



250 people trained

200 graduates employed



Partners' contributions

Private partners

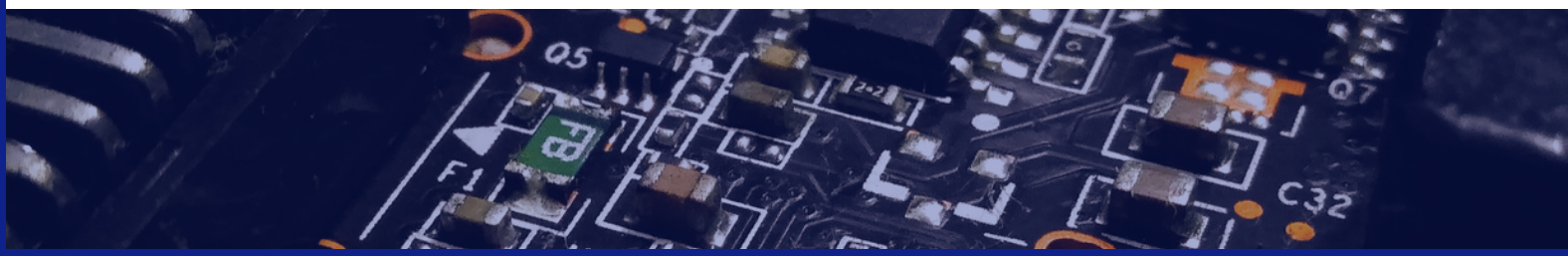
- **Lucas Nülle**, a German multinational company specialised in technical-industrial education and training, supports the digital room's development by providing equipment, installation of digital software and classroom management platform, technical training, and capacity building.
- **Freecom, JOKKO group**, and **Louga TV** are local telecom-audiovisual companies supporting the project with training and insertion of trainees in the labour market.
- **SENEGAL ACADEMY**, a local company specialising in the field of entrepreneurship, supports the project with training on entrepreneurship coaching.

Public partners

- The **Professional and Technical Training Financing Fund (3FPT)** is the public body that manages national systems for the development and financing of vocational training in Senegal. It supports the strengthening of the training offers in companies and VET and contributes to the financing of this project.
- The **Academy Inspection**, the regional representation of the Ministry in charge of VET, validates new training modules and programmes and coordinates training centres within one region. It supports the development and integration of new training modules and programmes for the project.

VET providers

- **CEFAM Louga** is implementing the ICT training programmes. It actively liaise with private companies to look for work-based learning and internship employment opportunities for their graduates.





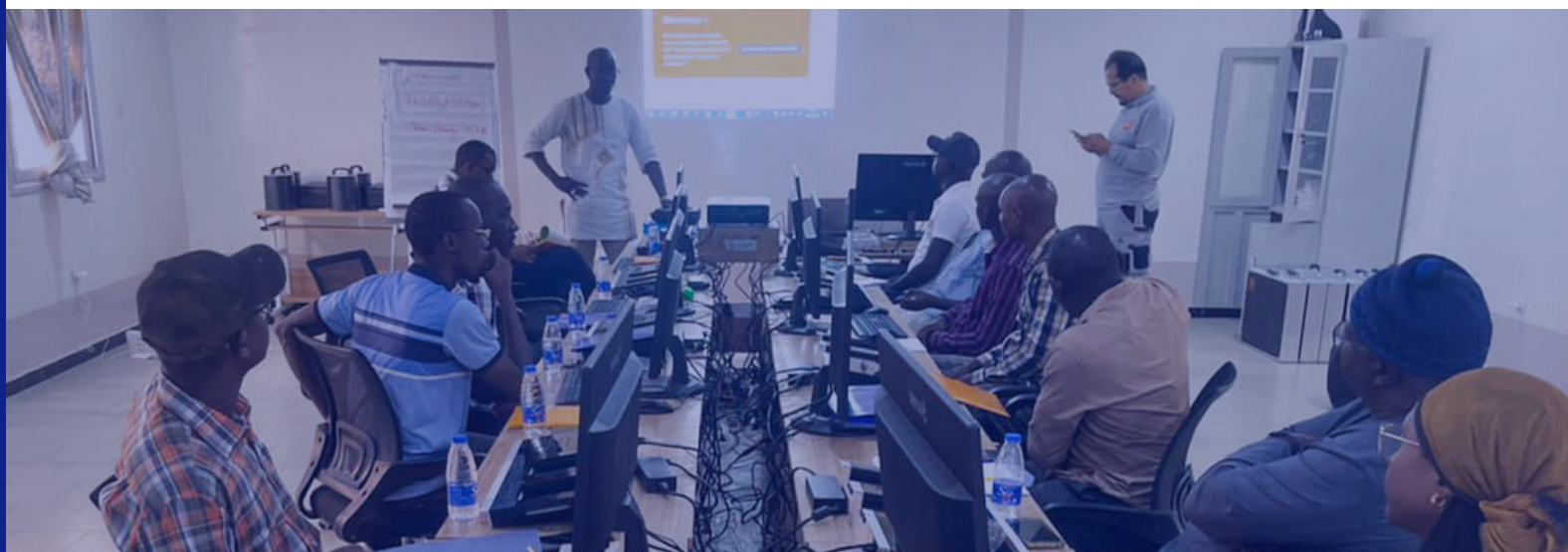
Key success factors

- Lucas Nülle benefits from expanding their flagship product Unitrain, a computer-assisted teaching system for electrical and electronics learning and training, in Senegal. In turn, this leads to **upskilling** and **employment opportunities** benefitting both local people and businesses.
- CEFAM Louga is a **well-established** and **renowned VET provider** in the region, used to actively engaging and fostering partnerships with local companies. Thus, it can effectively map out local **work-based learning opportunities** and facilitate **access to employment**.
- CEFAM Louga provides **support services** to help individuals transition from training programmes to the labour market, using its **wide network of private companies**.



Upscaling and sustainability

- CEFAM Louga will integrate the developed training into their **permanent training offer** and is planning further activities and resources for the digital room. It plans to develop partnerships with other VTIs to **extend** the training model to **other regions**.
- Regular reporting and promotion in close collaboration with the Ministry in charge of VET ensures **political support** and is promising for the **upscaling** of training activities in VTIs across the country.
- CEFAM Louga **institutionalises** the **collaboration** with **private sector** companies to systematically tailor training content to their needs, and assist graduates in finding **employment**.



VET Toolbox is a programme developing opportunity-driven skills development initiatives aligned with investments' needs, supporting the private sector with local job creation. For additional information, please visit www.vettoolbox.eu.

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A partnership project