



**Observatoire Europe-Afrique 2030**

***Data Sheet n°1***

**Enterprise : Lagazel**

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Degree of accuracy of the information contained in the data sheet

**Medium**

Creation date : 4<sup>th</sup> July 2015  
Sales: 2017: €705472 - 2018: €500000 - 2019: €287191  
Head office : Chamboeuf (42330)  
Website: <https://www.lagazel.com>

## 1. Company business sector

Lagazel designs and manufactures lamps and solar kits.

The aim of the company's management is to position Lagazel as a key player in industrialization in Africa, and to put its workshops and acquired experience at the service of partners wishing to locate all or part of their production in Africa, whatever the sector: clean cooking, mobility, refrigeration...

Within 5 years, the company plans to set up five manufacturing workshops.

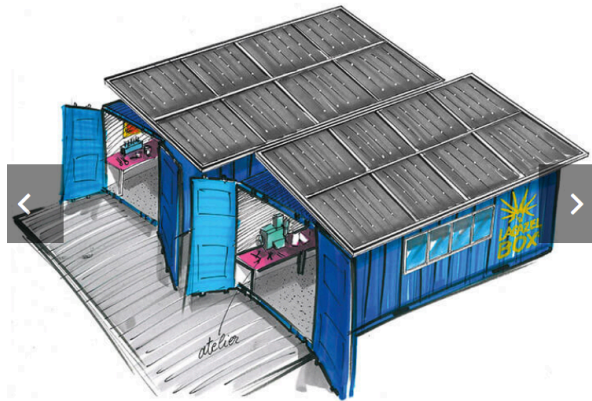
## 2. Activity of the enterprise in Africa

L-BOX is a turnkey manufacturing workshop. Housed in a simple container, it enables small production units to be deployed anywhere in Africa.

Thanks to the use of solar panels on the roof, the workshop can operate completely autonomously, even in areas where there is no electricity supply. The L-BOX workshop is part of an ecosystem of local partners (civil society organizations, local institutions, businesses, investors) to offer solutions adapted to complex issues such as the emergence of a local reprocessing sector for end-of-life components.

The jobs created are skilled local jobs such as electronic welders, metal processors, assemblers, quality controllers, etc.





The first manufacturing workshop opened in October 2016 in Burkina Faso. It employs around fifteen people and has a production capacity of 100,000 to 150,000 lamps a year. Two other workshops followed, in Benin and Senegal.

In 2016, Lagazel launched its first solar lamp manufacturing workshop in Burkina Faso, followed by Benin in 2021. The company has now distributed over 100,000 solar products in some fifteen African countries.

Lagazel commissioned IFSRA (Institute for Social Research in Africa) to carry out a study of the socio-economic impact of the company's activities in the areas where it operates, among employees and retailers. According to this study, 12 jobs were created in Benin and 12 in Burkina Faso. The detailed results of this impact study can be consulted at the following link: <https://www.lagazel.com/wp-content/uploads/2022/03/Presentation-20220414-FR.pdf>

Lagazel inaugurated its 3rd manufacturing workshop in Thiès (Senegal), in partnership with the PROMESS Centre de Formation, d'Application et d'Incubation aux Métiers des Énergies Renouvelables and under the sponsorship of the Agence Nationale pour la Promotion de l'Emploi des Jeunes. Seven technicians and two supervisors have been trained in the manufacture of Lagazel products, and the PROMESS Center has been equipped with a production line capable of making 5,000 products a month. In the first year, some 50 collective charging stations and over 2,000 solar lamps were manufactured.

### **Reconditioning of used batteries**

Reducing waste from the solar industry: The workshop to present the results of the Lagazel battery reconditioning project was held on Wednesday, August 2, 2023, at the premises of Burkina Faso's Agence Nationale des Énergies Renouvelables et de l'Efficacité Energétique (ANEREE). Currently, there is no adequate infrastructure to manage the waste associated with the solar photovoltaic industry. Lagazel BF, with the support of its partners including ANEREE, has implemented a project aimed at reducing the volume of waste by setting up a unit to diagnose, repair and package products and components from the solar industry (cylindrical batteries, photovoltaic panels). The unit is now operational, equipped with all the necessary tools, and operators have been trained for all activities.

Lagazel France delivers equipment to the Burkina Faso workshop for e-waste activities. For the application phase of the #e-waste project, in order to implement the disassembly/reassembly protocol within the sorting and reconditioning center, a demonstrator is being installed in the Lagazel workshop in Burkina Faso. To this end, the necessary equipment (PPE, discharge benches, chargers, soldering station, insulators, soldering iron, thermal stripper, etc.) has been deployed in the Dédougou workshop in Burkina Faso, where the local Lagazel team will be trained in the coming weeks.

**Point to be specified: How much local added value does the workshop activity represent (assembly of imported parts, local manufacture of certain parts, etc.)?**

## **3. Product range**

Lagazel manufactures a whole range of solar lamps for lighting and recharging cell phones, solar kits for electrifying households or small businesses, solar bollards for outdoor lighting and collective charging solutions for community projects. The latest innovation, the Boumba USB station, enables 16 phones or tablets to be charged simultaneously using solar energy.

Portable solar lamps

Example: The "KALO 1500" solar lamp (LK1500) is an ultra-strong metal flashlight that can be recharged in the sun. It features a USB port for recharging a basic cell phone.



#### Stand-alone solar kits

Example: The "SOBOX Power Plus" is a stand-alone solar kit with several lighting points, 2 USB ports for recharging phones and the ability to power efficient electrical appliances (Kalo lamp, radio, fan, TV).



## 4. Sources of information

<https://www.lagazel.com/fabrication-locale/>

<https://www.preo.org/lagazel-leading-local-manufacturer-of-high-quality-solar-lamps-kits-in-africa/>

## 5. Contacts

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