

# We are hiring!

Embark on the most exciting phase of your career

## TECHNICAL DEPARTMENT

### TECHNICAL DIRECTOR

We are looking for a Technical Director, whose overall responsibility is centered on product and prototype development for the various programs offered by Energy Generation.

#### JOB DESCRIPTION

- Managing the product development training programs such as the EnergyTech program;
- Ensuring there is adequate financing and funding;
- Ensuring the FabLab is adequately equipped and has highly skilled human capital;
- Developing prototypes for partners and entrepreneurs in the incubation program;
- Managing and ensuring the progression of prototypes and product development of entrepreneurs in our entrepreneurs in residence program;
- Maintaining our highly coveted status as a Fab Academy node;
- Leading any projects that may arise;
- and most importantly, inspiring and leading by example for the many entrepreneurs on our campus.

#### Key activities

##### Human capital development

- Developing a high performing EnergyTech team;
- Establishing a strong and vibrant organization's culture;
- Motivating subordinates to advance employee engagement;
- Leading by example.

Enthusiastic about the role?

## APPLY!

**Contract type:** One-year full-time contract, with the possibility of being recruited on a permanent basis

**Location:** Position based in Lomé with potential travel to Accra and sub-Saharan Africa in general.

**Starting date:** ASAP

#### Key activities

##### Strategic management

- Developing high quality business strategies and plans ensuring their alignment with the short-term and long-term objectives of Energy Generation;
- Making high-quality investing decisions to advance the organization and increase our impact;
- Reviewing financial and non-financial reports to devise solutions or improvements;
- Leading the development of Energy Generation's pan-African network;
- Maintaining a deep knowledge and understanding of the markets and industries trends of the organization (energy, entrepreneurship, education in Africa);
- Design and moderate technical training with gender inclusive and intersectional approach;
- Ensure a technical follow-up of incubated project's achievements, especially during the prototyping phase;
- Manage partnerships with companies and universities.

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### Key activities

#### Operational management

- Overseeing all operations and daily activities regarding product development and the EnergyTech program to ensure they produce the desired results and are consistent with the overall organization's strategy and mission
- Analyzing problematic situations and occurrences and provide solutions to ensure the organization's survival and growth
- Enforcing adherence to legal guidelines and in-house policies
- Ensuring the organization's complicity with legal and business ethics
- Build trust relations with key international partners and stakeholders and act as a point of contact for important shareholders

#### Training programs design

- Ensure the continued evolution of the technical trainings (EnergyTech Program) that are delivered as part of the entrepreneur in residence program
- Design other technical trainings addressed to young entrepreneurs;
- Assist our entrepreneurs and project holders in developing their prototypes.
- Ensure a gender lens is applied in all technical trainings and development of prototypes such that it attracts young women and other marginalized groups to build their skillset and therefore increase their economic opportunities

#### Fab Lab Management

- Implement the prototyping as a service plan ;
- Lead discussions with technical and financial partners;
- Provide technical support to the Makerspace's users.
- Ensure the continuation of the Fab Academy and maintaining our Node status;
- Assisting and leading the prototyping development of prototypes as part of the entrepreneurial training program.

#### ENERGICA Project

- Ensure the continued development of the ENERGICA project including attending monthly consortium meetings, and presenting project progress to the consortium;
- Review the report written for deliverable D3.1 of the Work Package to ensure adequate background knowledge of the demonstrator contexts
- Work with the consortium partners to develop capacity building programmes tailored to the needs identified in the deliverable 3.1 report
- Continue in the role of Work Package lead to coordinate with other members of the work package to ensure that all work is being completed on time and in budget.

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### EXPERIENCE

- **Profile** : Professional in the field of mechatronics engineering and more particularly robotics and rapid prototyping; with experience in theoretical and practical training. Entrepreneurial and director level experience is a very strong asset
- **Level of study** : Master's in Electrical Engineering / Mechanics / Robotics / Mechatronics preferably.
- Bachelor's degrees or more in fundamental sciences (Mathematics and Physical Sciences) and other engineering sciences (Civil engineering, computer science, etc.) will also be studied if the candidate has relevant experience in the field. manufacturing and prototyping.
- **Female candidates are strongly encouraged.**

### We are looking for someone who:

- Is enthusiastic, passionate and ready to join the adventure to write with us the future of a whole generation and a whole continent
- Can be autonomous, flexible and adaptable
- Has team spirit, high resistance to stress and the ability to manage the unexpected.

### SKILLS AND QUALIFICATIONS

- Engineering experience in mechanical or electrical engineering;
- Management experience
- Experience managing a FabLab
- Experience in rapid prototyping and product manufacturing;
- Experience in the use and maintenance of CNC machines, 3D printers and other CNC machines;
- Basic understanding of machines that use GCode;
- Strong project management skills
- Strong leadership skills
- Entrepreneurial experience
- Experience giving lectures and courses
- Two or three years of experience in a director level position is a valuable asset;
- Experience with soldering and manufacturing of printed circuit boards is an asset;
- Programming experience is a very valuable asset;
- Fluency (or at least a good level of knowledge) of written and oral English is a very valuable asset.

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## What we offer:

- A policy of reconciling personal and professional development
- A privileged framework and follow-up throughout your experience with us
- We don't just look at your diplomas and years of experience. We also focus on your personality and motivation, and take into account your progression through our career and performance management system.
- Trust, transparency and caring are the key words through which we guarantee a working climate conducive to the success and development of each individual.

## About Energy Generation

[Energy Generation](https://www.energy-generation.org) is a pan-African organization that encourages young Africans to address the most pressing challenges of their generation (energy, agriculture, health, etc.) through entrepreneurship and technology. It aims to support and promote technological and entrepreneurial innovations in order to identify, develop and widely disseminate practical "made in Africa" solutions.

Since 2016, we have implemented several innovative programs such as our Entrepreneurial Residence program that focuses on the energy, healthcare and agricultural sectors, providing high-level graduate courses on entrepreneurship, and the Solar Entrepreneurship Program. Our programs combine training, incubation, and investment readiness to help promising entrepreneurs grow their businesses by accessing market and financing opportunities.

We also develop specific, one-time incubation and coaching programs on behalf of national and international partners, such as EDF, OIF and GIZ.

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