

## CHEETAH CONSERVATION FUND – NAMIBIA

**Job Title: Facility Engineer**

posted: 29 September 2023

closing:25 October 2023

Reports to: Farms & BUSHBLOK® Manager.

Job Overview: The Facility Engineer maintains the Namibian campus utility grid (electrical, IT, and plumbing). This is a hands-on position and requires multiple skills: it is not for a manager to supervise contractors. The successful applicant will have the ability to maintain a hybrid electric grid, basic water pumps and manifolds, and will be able to perform simple maintenance on the campus IT system.

The Facility Engineer will assist in supervision of projects and modifications at the Biomass Technology Demonstration Center (BTDC). They will supervise assistant engineers/technicians and facilitate projects with third party contractors to maintain and improve the operations on site and will lead correspondence with international partners of the SteamBioAfrica biomass processing unit. Additionally, will oversee optimization efforts at the BTDC, coordinating with international experts. Range of projects include remote sensing networks, off-grid hybrid power systems, biogas generators, internet network expansion, building design and construction, and more.

Further, they will be able to assist with facility design and construction. They will also advise on engineering issues at the CCF Somaliland campus and may make periodic inspection visits.

They must possess a driver's license and must have suitable academic training to follow developments in the respective fields.

### Responsibilities and Duties:

- Hands-on management of all aspects of the Namibian campus utility grid including budgeting & planning, production & equipment management, metrics, health & safety, and logistics.
- Focuses efforts on designing ways to increase efficiency, production rate, and product quality.
- Supervises any site construction and aids in the planning of future construction.
- Accountable for the daily operation and maintenance of all existing utilities of CCF including electric grid, water grid, and internet network.
- Monitor the electrical systems (solar grid tie inverters, battery inverters) status/performance and be ready to take action in case of a malfunction and/or an emergency.
- Planning and implementation of the expansion of all utilities.
- Keep records and generate reports, for the preventive and emergency maintenance actions taken.
- Liaise with external contractors and third parties.

### Qualifications Desired:

- A bachelor's degree in engineering from an ABET or similarly accredited university.
- Proficient in AutoCAD (or similar modeling software) and C/C++.
- Working knowledge of PV systems and their programming.
- Familiarity with ROC and gasification technologies.
- Understanding of MODBUS protocol in use with PLC (Programmable Logic Controller), DSE (Deep Sea Electronics), and Arduino.
- At least 1-2 year of experience with engine maintenance and repair.
- At least 1-2 year experience with MEP/FP (Mechanical, Electrical, Plumbing/Fire protection) building design.
- Management skills.
- Effective written and verbal communication skills (must be fluent in written and spoken English).
- Individual must be highly motivated, self-starting, and exhibit the ability/willingness to make decisions at the appropriate level while working well in a team environment and bringing assignments to closure.

If you meet the qualifications and wish to apply, forward a .pdf of your CV and a letter explaining your interest to [jobs@ccfnamibia.org](mailto:jobs@ccfnamibia.org) . This position requires extreme computer literacy and fluency in English. Email application only: phone /fax/mail applications will be ignored.