



## **Internship Opportunity: Mechanic Intern**

Job Title: Mechanic Intern

Company: Power Providers Ltd

Location: Arusha, Tanzania

Job Type: 6 Months

Reports to: Senior Technician

Job Description:

As a Mechanical Engineering Intern at Power Providers, you will be an integral part of our dynamic team, gaining hands-on experience in the installation, maintenance, and servicing of various power systems. This internship offers a unique opportunity to apply your mechanical engineering skills in the renewable energy sector.

Responsibilities:

1. Collaborate with experienced technicians to perform routine maintenance and repairs on company vehicles, including but not limited to generators, solar water pumps, and other mechanical equipment.
2. Conduct inspections and diagnostics on mechanical components of vehicles to ensure optimal performance and safety.
3. Assist in planning and executing preventive maintenance schedules for the company's vehicle fleet.
4. Work closely with the Stores Manager to procure necessary stocks, tools, and equipment specifically required for vehicle maintenance.
5. Keep detailed records and reports of vehicle maintenance activities, including service schedules, repairs, and any associated costs.

6. Support the team in conducting surveys and evaluations of the mechanical needs of company vehicles.
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8. Ensure the cleanliness and organization of the vehicle maintenance workspace, including proper storage of tools and equipment.
9. Collaborate with the Operations Manager, senior technicians, and other interns on various mechanical projects.
10. Follow safety protocols and guidelines to maintain a secure working environment.

#### Additional Duties:

- Assist in basic service requirements for company vehicles during working days if there are no other client demands.
- Provide oversight, under the guidance of your supervisor, for servicing and/or repairs of company vehicles to ensure they are done properly and in a timely manner.

#### Requirements:

1. Currently enrolled in a mechanical engineering Diploma/Certificate program or equivalent.
2. Strong interest in vehicle maintenance and mechanical systems.
3. Basic understanding of mechanical principles, especially in the context of automotive maintenance.
4. Willingness to learn and adapt in a fast-paced work environment.
5. Good problem-solving and analytical skills.
6. Ability to work collaboratively within a team.
7. Effective communication skills.
8. Should be living in Arusha
9. Stipend : 200,000 Tsh per Month

This internship provides a valuable opportunity for hands-on experience in mechanical engineering with a specific focus on vehicle maintenance. You will work closely with experienced professionals, contributing to the upkeep of our company vehicles and supporting the overall success of Power Providers. We look forward to welcoming you to our team and providing you with a rewarding learning experience. This is not a paid position. Only a stipend of 200,000Tsh per month will be provided to the intern.

To Apply for this position kindly fill in this form application and submit

[\*\*CLICK HERE\*\*](#)

Deadline: 01 February 2024

# Internship Opportunity: Solar Water Pump Intern

Job Title: Solar Water Pump Intern

Company: Power Providers Ltd

Location: Arusha, Tanzania

Job Type: 6 Months

Reports to: Solar Water Pump Engineer

About Power Providers:

Power Providers is a leading renewable energy company committed to delivering reliable and sustainable energy solutions. Specializing in solar power systems, we cater to a diverse client base, ranging from domestic households to corporate sectors. Our mission is to address energy challenges while upholding the highest standards of service provision.

Position Overview:

We are in search of a skilled and enthusiastic Solar Water Pump Intern.. The chosen candidate will play a pivotal role in learning and contributing to the design, implementation, and maintenance of solar water pump systems, with a strong emphasis on integrating efficient water filtration solutions.

Responsibilities:

**Solar water pumping system design:** Learn to use third-party software for designing solar water pump systems using Lorentz COMPASS, Grundfos design, and alternative methods. Understand the principles underlying sound design approaches.

**Solar water pumping engineering:** Assist in evaluating new solar pumps and alternative water pumping approaches. Collaborate with the fabrication workshop and explore the market for new products and suppliers.

**Solar water pumping installation:** Gain experience in improving existing methodologies and tracking installation processes. Evaluate reporting processes for smooth and timely reporting.

**Solar water pumping troubleshooting:** Familiarize yourself with common causes of failure, troubleshooting, and field-based procedures. Utilize remote monitoring protocols to keep the team updated.

Solar water pumping system evaluation: Engage in a procedural approach to follow up with clients, assessing system performance and satisfaction over time.

Qualifications:

- Enrolled in or recently completed a Diploma in Electrical Engineering or a related field.
- Eagerness to learn and contribute to solar water pumping systems design and maintenance.
- Familiarity with design tools such as Lorentz COMPASS and Grundfos design is a plus.
- Strong interest in alternative technologies and innovative approaches.
- Excellent communication and interpersonal skills.
- Adaptability to dynamic work environments with a focus on software tools.

Note: This is an internship position with a focus on learning and gaining hands-on experience in solar water pumping systems. This is not a paid position. Only a stipend of 200,000Tsh per month will be provided to the intern.

To apply for this position kindly fill in this form application and submit :

[\*\*CLICK HERE\*\*](#)

Deadline: 01 February 2024

## **Internship Opportunity: Solar Power System Intern**

Job Title: Solar Power System Intern

Company: Power Providers Ltd

Location: Arusha, Tanzania

Job Type: 6 Month

Reports to: Solar Power System Engineer

About Power Providers:

Power Providers is a leading renewable energy company committed to delivering reliable and sustainable energy solutions. Specializing in solar power systems, we cater to a diverse client

base, ranging from domestic households to corporate sectors. Our mission is to address energy challenges while upholding the highest standards of service provision.

#### Position Overview:

We are in search of a skilled and enthusiastic Solar Power System Intern, who will play a key role in learning and contributing to the design, implementation, and maintenance of solar power systems.

#### Responsibilities:

1. Solar power system design: Learn to use third-party software for designing solar power systems, understanding principles that underpin sound design approaches.
2. Solar power system engineering: Assist in evaluating new technologies and approaches in solar power systems. Collaborate with the fabrication workshop and explore the market for new products and suppliers.
3. Solar power system installation: Gain experience in improving existing methodologies and tracking installation processes. Evaluate reporting processes for smooth and timely reporting.
4. Solar power system troubleshooting: Familiarize yourself with common causes of failure, troubleshooting, and field-based procedures. Utilize remote monitoring protocols to keep the team updated.
5. Solar power system evaluation: Engage in a procedural approach to follow up with clients, assessing system performance and satisfaction over time.

#### Qualifications:

- Enrolled in or recently completed a Diploma / Bachelor degree in Electrical Engineering or a related field.
- Eagerness to learn and contribute to solar power system design and maintenance.
- Familiarity with design tools is a plus.
- Strong interest in alternative technologies and innovative approaches.
- Excellent communication and interpersonal skills.
- Adaptability to dynamic work environments with a focus on software tools.

Note: This is an internship position with a focus on learning and gaining hands-on experience in solar power systems. This is not a paid position. Only a stipend of 200,000Tsh per month will be provided to the intern.

To apply for this position kindly fill in this application form and submit:

**[CLICK HERE](#)**

Deadline: 01 February 2024

# Employment Opportunity: Solar Water Pump Engineer with Water Filtration Experience

Job Title: Solar Water Pump Engineer with Water Filtration Experience

Company: Power Providers Ltd

Location: Arusha, Tanzania

Job Type: Full-Time

Reports to: Managing Director

About Power Providers:

Power Providers is a leading renewable energy company committed to delivering reliable and sustainable energy solutions. Specializing in solar power systems, we cater to a diverse client base, ranging from domestic households to corporate sectors. Our mission is to address energy challenges while upholding the highest standards of service provision.

Position Overview:

We are in search of a skilled and experienced Solar Water Pumping Engineer, preferably with specialized expertise in water filtration. The chosen candidate will play a pivotal role in designing, implementing, and maintaining solar water pump systems, with a strong emphasis on integrating efficient water filtration solutions.

## **Responsibilities:**

- **Solar water pumping system design:** use third party software to design solar water pump systems using Lorentz COMPASS, Grundfos design and alternative ways of designing pump systems. Note that understanding how to use sizing software will not be sufficient as it is important that the principles underpinning a sound design approach are well understood so that a design process can, if necessary, be completed using available data without the use of software tools. This includes the reading and understanding of datasheets for pumps and other components and designing the most techno-economic solution to meet client needs. Wire sizing and voltage drop, pipe pressure and sizing and the subsequent calculation of TDH will also be a focal requirement. Focus will also need to be applied to sourcing more cost effective pumping design solutions appropriate to smallholder irrigation requirements.
- **Solar water pumping engineering:** Independently evaluate new solar pumps (new technology) and alternative approaches to pumping water (such as solarizing AC systems with PV input using solar direct drive inverters and hybridizing existing systems using grid or generator power with solar). Work with the PP fabrication workshop to ensure that when fabrication is required then they are provided with the correct information in a timely fashion to ensure appropriate completion. Explore the market for new quality products and suppliers in the region.

- **Solar water pumping installation:** Aim to improve on existing methodologies to establish innovative and efficient ways to keep track of pre-installation, installation, commissioning and associated costs. Evaluate reporting processes, both technical and stores based, in order to ensure smooth and timely reporting for accounting, sales and client feedback purposes.
- **Solar water pumping troubleshooting:** Be familiar with common causes of failure, troubleshooting and field based procedures in support of field based PP technicians. Have familiarity with remote monitoring system while also s utilising protocols enabling the use of remote monitoring data to keep PP updated and informed about the client system status.
- **Solar water pumping system evaluation:** engage in a procedural approach of follow up with clients over time to establish the performance of their system as installed and their satisfaction with the installation performance and PP service support.
- **Water filtration:** crafting and merging water filtration systems into solar power setups. This includes working closely with diverse teams, actively participating in research and development initiatives, and ensuring effective communication with clients. Additionally, responsibilities encompass the continuous maintenance, troubleshooting, and strict adherence to quality control measures.

## Qualifications

1. Bachelor's degree in Electrical Engineering or related field.
2. Minimum 3 years of hands-on experience in designing, engineering, and maintaining solar water pumping systems
3. Proficiency in using design tools such as Lorentz COMPASS and Grundfos design.
4. Strong manual design capabilities without sole reliance on software.
5. In-depth knowledge of materials and components for solar pumping systems.
6. Familiarity with alternative technologies like solarized AC systems and hybrid systems.
7. Proven experience in innovative installation methodologies and cost management.
8. Troubleshooting expertise and ability to create procedural guides.
9. Evaluation and maintenance skills for client follow-up.
10. Excellent communication and interpersonal skills.
11. Innovative mindset for exploring new technologies and approaches.
12. Adaptability to dynamic work environments with focus on software tools..

Note: Please note the following

1. Fill all information in the provided google form

**[CLICK HERE](#)**

2. Email applications will not be accepted
3. All Applications should be submitted before the 31st of January 2024