



Offer: Professional Internship

Position: Intern

Host Company: Hydro Operation Great Lakes Ltd

Duration: 6 months

Professional Internship will start from: November 10, 2025.

Monthly Stipend given to professional intern:

- 100,000 Frw covered by EPD

Who can apply: Fresh Graduates: (Not more than 2 years after graduation)

About the host company: Visit their website: <https://www.hogl.rw/>

- **Objectives of Internship**

- Assist operator in recording operational parameters such as hourly power and bearing temperatures and fill data in Excel monitoring sheets.
- Assist in monitoring water levels, flow rates, and power output.
- Join operators in daily routine inspections of turbine condition, control rooms equipment, and other operational areas to observe plant conditions .
- Assist Operator in daily maintenance tasks such as equipment cleaning, units lubrication and Resetting working hours and visual inspections of equipment.
- Assist Dam operator in daily helpers supervision and reporting.
- Assist Manager on duty in canal tour inspection.
- Assist Chief Technician in basic testing and troubleshooting of electrical systems including switches, relays, lamps, and contactors during scheduled maintenance.
- Filling a personal logbook documenting Weekly activities, observations, and learning outcomes.



- Assist in inspections of cooling systems, including Hydraulic Power Units (HPU) and Lubrication Oil Units (LOU).
 - Assist in minor repairs and replacements of mechanical components.
 - Follow Lockout/Tagout (LOTO) procedures while assisting in equipment maintenance.
 - preparation of a final internship report or presentation summarizing experience and key takeaways.
 - Participate in safety training, including the proper use of fire extinguishers, hazard identification, and emergency response procedures.
 - Assist Operator in observing SCADA system operations, focusing on system controls, alarms, and trends.
 - Study how to read electrical drawings and schematics related to plant operations and distribution under supervision.
-
- **Required skills and Qualifications**
 - Must be a current student or recent graduate (within the last 3 years) in the following fields: Electrical Engineering, Mechanical Engineering or Renewable Energy.
 - Ability to work in a team and under supervision.
 - Good written and verbal communication skills in English or French and Kinyarwanda.
 - Fluency in English is essential.
 - Strong attention to health and safety awareness.
-
- **Learning outcomes**
 - Understand the operational workflow of a run-of-river power plant.
 - Collect, record and analyse data from the SCADA system.
 - Gain practical knowledge in basic electrical and mechanical maintenance.
 - Develop the ability to interpret technical drawings, equipment schematics, and plant documentation.
 - Enhance understanding of industrial safety practices, LOTO application and hazard identification procedures.
 - Strengthen teamwork, communication, and reporting skills.
 - Apply theoretical engineering knowledge to real-world operational challenges,



reinforcing problem-solving and decision-making abilities.

Document	RZ-47-01 OBJECTIVES AND TASKS OF AN INTERN AT Rwaza HPP
Date	Done at Kigali, on 21/10/2025
Authors	Francine Nsengiyumva
Collaborators	Belyse Ndayisaba
Approved by	Bernard Lacroix
Distribution	GRC-EPD Professional Internship Program (Cohort II)

Application:

- **Application Deadline:** November 2nd, 2025
- Confirmation email to the shortlisted interns : **November 3 - 4, 2025.**
- Interview Period: **November 5 - 6, 2025**
- Final confirmation email to the selected interns: **November 7, 2025**
- Onboarding interns in their respective companies: **November 10, 2025.**