

<b>Salary Band 4</b>	<b>Technical Advisor: Environment and Sustainability</b>
Reports to:	Component Leader – H2.SA
Duty Station	Hatfield, Pretoria
Duration	until <b>31 December 2025</b> (extension Possible)

## BACKGROUND

Green hydrogen (GH<sub>2</sub>) will be one of the key energy carriers of the future and the basis for a variety of Power-to-X (PtX) products like green ammonia and sustainable aviation fuels (SAF). Worldwide, investments are already increasing and the future global demand could be up to 500 million metric tons per year. For South Africa, with its outstanding potential of renewable energy sources and existing hydrogen production facilities, it will be a key component to decarbonize the production of domestic industries like mining, steel, manufacturing and ensure their future growth. At the same time, South Africa will benefit from the global demand and has the chance to become a major exporter of GH<sub>2</sub> and PtX products. GH<sub>2</sub> offers significant economic development and job creation and plays an integral role in supporting a just transition in the South African energy sector.

An essential pre-condition for GH<sub>2</sub>/PtX market development is the massive expansion of low-cost renewable energy (RE) capacities, the establishment of favorable political and regulatory framework conditions, the mobilization of foreign investment and a far-reaching capacity building and skills development initiative.

On behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ) and in close cooperation with the South African government, the *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH* is implementing the programme H2.SA with the aim “to promote a green hydrogen economy in South Africa”.

- The programme has four components:
- Strategy, policy & regulatory framework
- Private sector cooperation
- Capacity building, research & innovation
- Sustainability & just transition

The Technical Advisor will provide expertise and aid in facilitating the functions of the component 4 (sustainability & just transition), aiming to address potential repercussions of a H2/PtX economy on the environment, society, and economy. This component bolsters understanding regarding the potential effects of a hydrogen-based economy on our environment and societal structures. Those instrumental in driving the development of a hydrogen economy are equipped with a decision-making foundation that empowers them to strategize the production of hydrogen and the corresponding large-scale deployment of solar and wind energy plants in a way that aligns with environmental and societal norms. Groups that are likely to be impacted are actively engaged in the discourse, ensuring that environmental and societal challenges are mitigated, and acceptance for large-scale hydrogen initiatives is increased.

The Technical Advisor's focus will be on planning and supporting activities on impacts of the green hydrogen value chain on the environment. The Advisor will work under the supervision of the component lead, as well as work alongside and in collaboration with other advisors in the workstream, and where necessary collaborate with or contribute to the other 3 workstreams (1,2 and 3).

#### **A. TASKS AND RESPONSIBILITIES:**

The Technical Advisor has the following key tasks and responsibilities:

- Support the overall implementation of the H2.SA programme's activities focused on the establishment of a green hydrogen economy in South Africa.
- Support development of activities that promote environmental sustainability of the emerging GH2 economy;
- Conceptualise and manage required inputs and activities in cooperation with relevant stakeholders;
- Support and manage the implementation of contracts by service of activities in work stream 4;
- Identify and plan important stakeholder engagements including meetings and workshops linked to workstream 4 activities;

- Identify and develop new activities to strengthen the contribution of workstream 4 to promoting an environmentally sustainable GH2 economy
  - Participate in preparing and delivering presentations, reports as well as developing terms of reference for supporting activities as linked to workstream 4
  - Participate in operational planning of the H2.SA project, with regular updates and presentation and reporting
  - Presentation, moderation and facilitation during meetings, workshops and events;
  - Participate in coordination and project management of workstream 4 activities including reporting, operational planning, follow-up on activities, etc.;
- 
- Contribute to the Monitoring & Evaluation (M&E) system by adding required information and preparing reporting inputs as required.

**All tasks will be done under the supervision of the workstream 4 Component lead, and the H2.SA Programme Director.**

Note that the list is not exhaustive and will be further developed.

## **B. REQUIRED QUALIFICATIONS, COMPETENCIES AND EXPERIENCES**

### **Qualifications:**

- Relevant tertiary qualification: master's in environmental sciences, Environmental engineering, Public health engineering, Natural Sciences, Political sciences, or Geography or similar field;

### **Professional Experience:**

- At least 5 years of relevant work experience in the fields of environmental analyses, renewable energy project development, socioeconomic development, or related experience
- Experience within the South African mining, oil & gas, energy sector or similar sectors renewable energy, and related policy frameworks.
- Strong interest in issues related to the green hydrogen, PtX and the energy transition and proven willingness to further develop and enhance technical skills and competencies;
- Ability to work in a multi-cultural team and autonomously in a structured, methodical manner;

- Proven ability to work and communicate professionally (written and spoken) with stakeholders from different levels in the public and private sector;
- Proven ability to professionally moderate and facilitate stakeholder processes, meetings and workshops;
- Profound knowledge of project- and process management;
- Ability to organise, multi-task and to operate in a multi-disciplinary, diverse and complex environment;
- Excellent writing and communication skills in English.

**Additional Skills Required:**

- Carry outstanding work ethic and motivation to act reliable, dedicated, and disciplined without much guidance and supervision.
- Strong service-oriented thinker to provide professional and proactive advisory to GIZ and GIZ partner organisations.
- Brings intellectual curiosity, critical thinking, creativity, problem solving skills and ability to collaborate.
- Ability to work independent in a stressful and complex environment and be adaptive to change.
- Ability to work on multiple processes simultaneously and within a Team.
- Ability to communicate and act diplomatically.
- Previous working experience with GIZ and/or the public sector is an asset.
- Excellent IT Skills (Microsoft Office, MS Teams, data management and analysis).
- Excellent communication skills in business English (written, verbal).

**C. ADDITIONAL INFORMATION**

- The position will be based at the GIZ Offices in Hatfield, Pretoria.
- At GIZ, you will be offered global network and an atmosphere that is characterised by diversity, respect, and genuine equal opportunities. Gender equality promotion is a matter of course for us.
- GIZ is a signatory of the Diversity Charter. Recognition, appreciation and inclusion of diversity in the company are important to us. All employees shall be valued - regardless of gender and gender identity, nationality, ethnic origin, religion or belief, disability, social background, age or sexual orientation.
- GIZ would like to increase the proportion of employees with disability. Applications from persons with disabilities are most welcome.

- The successful candidate will be expected to start full-time employment with GIZ on a fixed-term contract as soon as possible. The contract period for this position is until **31 December 2025 with an option to extend.**

#### **D. APPLICATION PROCESS**

**GIZ will only assess applications which meet the following criteria:**

Suitable candidates should apply by submitting a

- **Cover Letter (concisely 2 pages)** clearly stating your motivation for applying for the position and as well as salary range expectation.
- A detailed CV.
- Proof of eligibility to work in South Africa (copy of SA ID).

The application should be submitted to: [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de), with the following email subject line **“Technical Advisor: Environment and Sustainability”** for the attention of Head of Human Resource.

Closing date for applications: **12<sup>th</sup> of September 2023.**

**Only applicants shortlisted for interview will be contacted.**

**Applications without a Cover letter will not be considered!**