

<b>Salary Band 4</b>	<b>Technical Advisor: Training implementation and Capacity Development</b>
Reports to:	Component Leader – H2.SA
Duty Station	Hatfield, Pretoria
Duration	until <b>31 December 2025</b>

## 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 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 H2.SA programme forms part of the Energy Cluster of programmes implemented by GIZ in cooperation with a variety of South African public sector partners.

The position of the Technical Advisor will be in Component 3 of the programme, namely capacity building, research and innovation. Component 3 aims to enhance the capacities and knowledge of South African stakeholders in the field of green hydrogen and PtX. Activities aim to strengthen the general understanding as well technical skills of stakeholders from politics, business, research, and civil society on the topic of hydrogen. Due to the novelty of the topic, a variety of target audiences require capacity building and training support on the subject of green hydrogen and PtX.

The incumbent will specifically support the following programme activities:

- The implementation of an H2.SA Capacity Development Strategy.
- The institutionalisation of H2.SA’s training courses in local organisations.
- The development of additional training courses addressing the demand of identified stakeholders.
- The implementation of relevant green hydrogen and PtX training.

#### **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 focussed the establishment of a green hydrogen economy in South Africa.
- Support the implementation of Output 3 of the H2.SA programme, specifically activities focussed on training, training material development and capacity building. This includes planning and coordination of all implementation activities, liaising with relevant stakeholders, supporting all procurement processes for goods and services to deliver the required outputs and ensure the fulfilment of programme objectives and indicators. This work will be done in close cooperation with and with assistance from

the H2.SA Head of Component and the H2.SA Programme Manager Support the implementation and coordination of activities of Component 2;

- Conceptualize and manage required inputs and activities in cooperation with relevant stakeholders.
- Plan advisory projects and initiatives and coordinate the implementation with external service providers, supervising and coordinating assignments of national and international consultancies.
- Manage the cooperation between stakeholders, support steering structures and provide input to partner dialogues.
- Establish and strengthen channels of collaboration and communication by building effective working relationships with relevant H2/PtX stakeholders, including experts, private sector partners, policymakers, and international stakeholders.
- Provide support to the implementation of green hydrogen and PtX training and capacity building activities.
- Identify capacity building and training target groups.
- Substitute as an official H2.SA green hydrogen technical trainer and lecturer.
- Oversee the implementation of s Capacity Development Strategy with relevant partners and stakeholders.
- Support communication and knowledge management activities, incl. the organisation of workshops, seminars, study tours and other means of information sharing among government decision-makers, industry representatives and other experts.
- Promote international expert networks and exchange programs (e.g., via webinars, study tours, workshops, conferences, training).
- Promote active participation of women in H<sub>2</sub>/PtX training courses
- Contribute and participate in substantive meetings and strategic planning for the H2.SA programme.

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

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

### **Qualifications:**

- Relevant tertiary qualification: A first degree in Engineering (chemical or electrical), a relevant science degree (B.Sc.) or energy studies.

**Professional Experience:**

- At least 5 years of relevant work experience in the fields of renewable energy, and/or sustainable energy and/or in the fields of green hydrogen/PtX.
- Specific energy related training and familiarity with South African energy training institutions will be an advantage.
- Demonstrated success in project and process management.
- Experience in the development and implementation of training and capacity building measures.
- Good networks and relationships with stakeholders involved in energy/green hydrogen/PtX training.
- Familiarity with the South African energy sector, renewable energy, and related policies. Good networks in the South African energy and training landscape.
- An ability to work in partnerships with public and private sector stakeholders.
- 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.
- An ability to work in a multi-disciplinary, diverse and complex environment.
- An ability to work in a team and autonomously in a structured, methodical manner.
- Excellent writing and communication skills in English.

**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.
- Positions are dependent on the lifespan of the programme where they are located. The H2.SA programme phase is until **31 December 2025 with an option to extend with the programme extension**.

**D. APPLICATION PROCESS**

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

Suitable candidates should apply by submitting a

- **Cover Letter (concisely 1 page)** 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: Training Implementation and Capacity Development.”** for the attention of Head of Human Resource.

Closing date for applications: **18<sup>th</sup> of September 2023.**

**Only applicants shortlisted for interview will be contacted.  
Applications without a Cover letter will not be considered!**