

<b>Salary Band 4T</b>	<b>Technical Advisor:</b> <b>Focus:</b> Value Chain Development and Recycling
Reports to:	Component Leader – H2.SA II/BVC
Duty Station	Hatfield, Pretoria
Duration	until <b>31 December 2030</b>

## BACKGROUND

South Africa has potential for the development of a value chain for green hydrogen and its derivatives (Power-to-X, PtX) due to excellent conditions for the production of cheap renewable electricity and a well-developed industrial infrastructure. At the same time, South Africa has critical raw materials (CRM) essential for industrial processes, battery production, digitalisation and overall energy transition like platinum, vanadium, chromium, nickel, and manganese which are of high economic importance for the energy transition. Combined with a well-developed mining and refining sector and a skilled workforce, South Africa is well placed to become a regional hub for critical raw materials and to develop local green hydrogen and battery value chains built on these CRMs. The development of a functional battery value chain (BVC) also holds importance for the South African automotive industry, a strategically important industry in the country. The importance of both value chains for the Just Energy Transition is reflected in the Just Energy Transition Investment Plan which features both sectors as two of the three priority investment pillars. The Just Energy Transition Implementation Plan (JET-IP), approved by Cabinet in November 2023, is a roadmap that enables South Africa to take targeted and aligned strides towards meeting its decarbonisation commitments.

Challenges for the development of the green hydrogen and CRM/battery value chains exist in particular with regard to uncertain market development, lack of capacities, coordination, and skills, as well as the integration of environmental, social, and governance (ESG) standards into the development of the value chains.

On behalf of the European Union, 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 II/BVC with the aim to support value chain development for critical raw materials and green hydrogen and derivatives in South Africa.

The programme has five components:

1. Strategy, Policy & Regulatory Framework
2. Private Sector Cooperation
3. Capacity Building, Research and Innovation
4. Sustainability and Just Transition
5. Battery Value Chains

The H2.SA II/BVC 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 (TA): Value Chain Development and Recycling** will support programme activities related to workstream 5 of the H2.SA II/BVC programme, and specifically to activity area 5.2: Support International Trade. The objective of the work is to support the development of a sustainable South African battery value chain, focussing on aspects such as standards, certification, and recycling as well as good practices wrt environmental, social and governance (ESG) topics. The TA will be responsible for activities related to private sector collaboration, with specific focus on ESG and the development of transparent procurement chains as a unique selling point for South Africa. As part of the work, the TA will support activities aimed at engaging civil society.

#### **A. RESPONSIBILITIES:**

The TA is responsible for supporting the technical, administrative, and organisational implementation of Component 5.1 (Battery value chains) of the H2.SA II/BVC programme. The TA ensures the planning, organisation, monitoring, implementation and reporting of the activities, supports the development of operational plans, budget monitoring, contractor management as well as partner support and coordination.

The incumbent will specifically support the following activities:

- Identify, plan, and implement support activities focussed on sustainable battery value chain development in the South African market.

- Identify, plan, and implement support activities focussed on standards, certification and recycling to ensure a sustainable BVC in South Africa. This includes support for the adoption of the international battery passport by South African stakeholders.
- Develop and implement a recycling strategy for the South African battery sector.
- Support and coordinate activities aimed at community participation and civil society engagement in the BVC in South Africa.
- Showcase and promote the sustainability of the South African BVC to potential investors and off-takers.
- Support activities that promote South African industry and companies and seek to secure investment or off-take agreements.
- Support coordination and collaboration with other H2.SA II/BVCV programme activities focused on promoting sustainable ESG practices for BVC development in South Africa.
- Support South African BVC stakeholders to access international trade mechanisms and showcase their sustainability offering.

## **B. TASKS:**

The **Technical Advisor** has the following key tasks and responsibilities:

- Support the overall implementation of the H2.SA programme activities focussed on the establishment of a functional battery value chain sector in South Africa. 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.
- 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 BVC stakeholders, including experts, private sector partners, policymakers, and international stakeholders.

- Implement 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.

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

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

#### **Qualifications:**

- Relevant tertiary qualification: A first degree in engineering, economics, environmental management, or relevant field.

#### **Professional Experience:**

- At least 5 years of relevant work experience in the fields of ESG frameworks, or sustainable value chain development, or international trade, or trade promotion, or a combination of the different sectors.
- Demonstrated success in project and process management.
- Experience in the development and implementation of measures to promote sustainable sectoral economic development.
- Experience in the development and implementation of measures to develop value chains.
- Good understanding of international battery value chain trade mechanisms.
- Familiarity with the South African energy sector, renewable energy, critical raw mineral- new energy vehicle- and battery sectors.
- Experience with recycling in general and battery re-use and recycling in particular.
- An ability to work in partnership with public and private sector stakeholders.
- Experience in the conceptualisation and management of partner relations.
- 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.

### **D. ADDITIONAL INFORMATION**

- The position will be based at the GIZ Offices in **Hatfield, Pretoria**, with agreed
- Positions are dependent on the lifespan of the programme where they are located. The H2.SA programme phase is until 31 December 2030.

- 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.

## **E. APPLICATION PROCESS**

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

Suitable candidates should apply by submitting a

- ❖ Cover Letter **(max. 1 page)** clearly detailing why they should be the preferred candidate and the value they will bring to work of H2.SA II/BVC
- ❖ A detailed CV **(max. 3 pages)**, indicating their nationality.
- ❖ Proof of eligibility to work in South Africa (copy of SA ID).

① **External Applications** must submit their applications by following this link:- <https://giz.simplify.hr/vacancy/1tskry> to be considered.

① **Internal Applications ONLY** should submit applications to: [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de) with the email subject line “**Application for Technical Advisor: Focus: Value Chain Development and Recycling**” for the attention of Head of Human Resources. Applications from external applicants submitted to [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de) **WILL NOT** be considered.

We expressly welcome applications from women and historically marginalized groups.

Closing date for applications: **03<sup>rd</sup> of October 2025**

Only shortlisted candidates will be contacted and will be required to conclude an assignment prior to the interview.

**Applications without a motivation letter and CVs longer than 3 pages will not be considered!!**