

<b>Salary Band 4T</b>	<b>Senior Technical Advisor: Green Hydrogen Economy Secondment to Department of Electricity and Energy (DEE)</b>
Reports to:	Component Lead – H2.SA II
Duty Station	Hatfield, Pretoria
Duration	until <b>30 April 2028</b>

## PROJECT BACKGROUND

South Africa is widely regarded as a future key supplier of green hydrogen and its derivatives due to its outstanding renewable energy potential, existing industrial base and experience in hydrogen-related industries. The development of a competitive green hydrogen economy requires the rapid rollout of low-cost renewable energy capacity, the removal of market and regulatory barriers, the adaptation of policy and institutional frameworks, and targeted capacity development and skills initiatives.

The establishment of a green hydrogen economy presents opportunities for economic diversification, export development and domestic decarbonisation of carbon-intensive industries. It has the potential to contribute significantly to economic growth, job creation and the advancement of a just energy transition in South Africa.

Within this context, **“Promoting value chains for critical raw materials and green hydrogen and derivatives in South Africa (H2.SA II/BVC)”** supports South Africa in developing green hydrogen and Power-to-X (PtX) value chains while strengthening enabling policy, regulatory and institutional conditions. The programme promotes sustainable investment frameworks, stakeholder coordination and capacity development to facilitate viable projects and long-term sector development. In parallel, South Africa’s endowment with critical raw materials (CRM) strengthens its strategic positioning within global clean energy value chains.

The programme is implemented on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ) and co-funded by the European Union (EU), in close cooperation with its political partner, the Department of Electricity and Energy (DEE). The project has been active since September 2021 and is scheduled to run until October 2030. It forms part of the broader Energy Cluster implemented by GIZ in cooperation with South African public sector partners.

The **Department of Electricity and Energy (DEE)** plays a central role in shaping South Africa's energy transition and is responsible for policy development, coordination and oversight of key energy sector reforms. Within DEE, the development of the green hydrogen sector requires strategic leadership, interdepartmental coordination and alignment with industrial, trade, infrastructure and skills policies.

The **Senior Technical Advisor – Green Hydrogen Economy** supports DEE in strengthening strategic oversight, coordination and policy implementation related to the advancement of South Africa's green hydrogen sector and the establishment of enabling frameworks for a sustainable hydrogen economy.

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

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

- ❖ Provide strategic support to the overall implementation of the H2.SA II/BVC programme, with a focus on advancing the establishment of a green hydrogen economy in South Africa.
- ❖ Provide strategic advisory support to DEE on the development and implementation of policies, regulatory frameworks and institutional arrangements related to green hydrogen.
- ❖ Support the implementation of the Green Hydrogen Commercialisation Strategy, including the development of programme frameworks, timelines, milestones and monitoring structures.
- ❖ Ensure effective coordination and overall management support to the GH2 JET PMO workstreams, under the leadership of DEE.
- ❖ Act as key account focal point for DEE hydrogen-related cooperation through secondment.
- ❖ Provide high-level briefings, analytical inputs and thought leadership on green hydrogen to relevant ministries and executive stakeholders, including DTIC, DSI, the Presidency, National Treasury, DoT and DFFE.
- ❖ Proactively coordinate green hydrogen activities across DEE, the GH2 JET PMO, H2.SA and other relevant GIZ projects to ensure coherence and alignment.
- ❖ Support the establishment and strengthening of governance structures, reporting mechanisms and quality standards related to hydrogen sector development.

- ❖ Translate stakeholder needs from public and private sector actors into concrete advisory, policy and programme activities.
- ❖ Contribute to operational planning, monitoring and evaluation of hydrogen-related activities, including oversight of service providers and consultancy inputs.
- ❖ Contribute to the design of work packages and the development of Terms of Reference (ToR) within DEE procurement processes for hydrogen-related activities.
- ❖ Provide direct advisory services to project partners and stakeholders on green hydrogen policy, regulatory and implementation matters.
- ❖ Plan and coordinate high-level stakeholder engagements and national hydrogen events (e.g. Green Hydrogen Summit), including conceptualisation and strategic moderation support.

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

All tasks will be performed under the supervision of the H2.SA Programme Director and in close alignment with the GH2 JET PMO Programme Director and the DDG: Energy Programmes and Projects at DEE.

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

### **Qualifications:**

- ❖ Relevant university degree (Master's level or equivalent) in natural sciences, engineering, political sciences, economics, law, social sciences or related fields. A PhD will be considered an advantage.

### **Professional Experience:**

- ❖ At least 9 years of relevant professional experience in renewable energy, hydrogen/PtX, industrial decarbonisation or related sectors.
- ❖ At least 5 years of experience in a middle management or senior advisory role, including responsibility for coordination of complex programmes or strategic initiatives.
- ❖ Demonstrated experience engaging with high-level government officials, senior public sector representatives, private sector executives, C-suite and financial stakeholders.
- ❖ Strong understanding of the South African energy policy landscape, including the Just Energy Transition (JET) Investment and Implementation Plan.

- ❖ In-depth understanding of the global decarbonisation agenda and South Africa's strategic positioning within emerging green hydrogen markets.
- ❖ Proven understanding of the scientific and technical foundations of green hydrogen and PtX technologies, including production pathways, infrastructure requirements and market dynamics.
- ❖ Proven understanding of government processes, institutional coordination mechanisms, contracting procedures and intergovernmental agreements.
- ❖ Strong and established network within the South African green hydrogen ecosystem, including public and private sector stakeholders.
- ❖ Demonstrated expertise in project and process management, including the coordination of multi-stakeholder initiatives.
- ❖ Proven ability to provide high-level analytical inputs, policy advice and strategic recommendations.
- ❖ Strong facilitation and moderation skills for complex stakeholder processes, meetings and workshops.
- ❖ Ability to operate effectively in a multi-disciplinary, multi-cultural and politically sensitive environment, both independently and as part of a team.
- ❖ Exposure to relevant industries, such as hydrogen, renewable energy, automotive, science and research, electric mobility or related sectors.
- ❖ Excellent written and verbal communication skills in English.

### **C. ADDITIONAL INFORMATION**

- ❖ The position will be based at the **GIZ offices in Hatfield, Pretoria**, with agreed days per week envisaged at **Department of Electricity Energy (DEE) in Pretoria**. Willingness to undertake domestic and international duty travel is required.
- ❖ **Applicants must hold a valid work permit for South Africa and either possess, or be eligible to obtain, a passport for international travel.**
- ❖ 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 disabilities. Applications from people with disabilities are most welcome.

#### D. APPLICATION PROCESS

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

Suitable candidates should apply by submitting a

- ❖ **Cover Letter/Motivation Letter** in PDF format (**max. 1 page**) clearly detailing why they should be the preferred candidate and the value they will bring to work of the Energy Cluster and DEE.
- ❖ A detailed CV in PDF format (**max. 4 pages**), **indicating their nationality**.
- ❖ Proof of eligibility to work in South Africa (copy of SA ID).

① **Internal Applicants ONLY** should submit application to: [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de) with the email subject line “**Application for Senior Technical Advisor: Green Hydrogen Economy - Secondment to Department of Electricity and Energy (DEE)**” for the attention of Head of Human Resources – Dorothee Taaibosch.

**NB:** Applications from external applicants submitted to [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de) **will not be considered.**

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

Closing date for applications: **27<sup>th</sup> of February 2026**

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

**Only shortlisted candidates who meet the above requirements will be contacted!!**