



Training in solar systems at the Windhoek Vocational Training Centre

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GERMAN GOVERNMENT AND FEDERAL STATES PROGRAMME
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TVET for Green Energy in Namibia

In cooperation with the GIZ programme
Promotion of Technical Vocational Education and Training (ProTVET III)

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Bremen contribution 179.833 EUR

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Responsible ministry
Senate Chancellery of the Free Hanseatic City of Bremen

Education is the Key - Improving Training in Green Hydrogen

Local Situation

Namibia Vision 2030 highlights the expansion of vocational training as a key factor in the country's successful industrialisation and sustainable progress. Namibia's future economic development also depends on addressing the high level of youth unemployment and income inequality. For this reason, a nationwide system for technical and vocational education and training (TVET) has been established in recent years to meet the objectives of the national development plans.

One area that is currently being prioritised is the production of hydrogen and ammonia from renewable energy sources. Vocational training programmes in the green sector are to be expanded in general, in part to meet growing demand for qualified personnel from the private sector. As a strategic industry, the production of green hydrogen and ammonia in Namibia is intended not only to strengthen the export sector, but also to meet the country's own energy requirements. There are currently plans to develop one of the world's largest green hydrogen projects in southern Namibia. This will see the construction of wind turbines and solar parks on an area of over 4,000 square kilometres in the desert for the production of green hydrogen.

The cooperation between Bremen and Namibia is aimed at improving career prospects for young people in Namibia through better training, and at the same time meeting the high demand for trained personnel in this future-oriented sector of the Namibian economy. With

This project helps to achieve the following Sustainable Development Goals (SDGs):



“The Department of Vocational Education and Training has a long-standing partnership with the Institute for Technology and Education (ITB) at the University of Bremen. The German Government and Federal States Programme and the Hanseatic City of Bremen have supported development of the vocational training diploma and capacity building in research. An understanding of the TVET system in Germany was helpful in this regard. The department has benefited greatly from the efforts of Prof. Michael Gessler (ITB) and the German Government and Federal States Programme and will continue to involve them both in future projects.”

Dr. Leena Kloppers (NUST)



Dialogue on training courses in green energy/hydrogen at NUST in Namibia

© GIZ / Steffen Heiseke

the objective of developing skills and expertise in the hydrogen sector, the project attaches great importance to the targeted promotion of women in the labour market, since in Namibia – in technical professions in particular – women are severely underrepresented.

Cooperation

The aim of this project is to strengthen capacities in the Namibian TVET system to meet the growing demand for labour in the green energy/hydrogen sector. Namibia and Bremen have been working as partners for almost five decades, with universities and civil society playing key roles. The municipal climate partnership between Bremen and Windhoek is also an important part of the cooperation. The state of Bremen is represented in the project by the Senate Chancellery. The Institute for Technology and Education (ITB) at the University of Bremen provides support to the project as the implementation partner.

The Namibian partners are the Namibia Training Authority, the Namibia Qualification Authority, the Namibia University of Science and Technology (NUST), the Windhoek Vocational Training Centre and the Namibian Institute of Mining and Technology.

What we are doing - and how

The project’s measures are aimed at Namibian job seekers, with a particular focus on women and other marginalised groups. Building on the interests of the

cooperation partners, the central knowledge exchange is between the Bremen experts in green energy/hydrogen and the developing TVET system in Namibia.

One pillar of the planned measures relates to the analysis and revision of existing university curricula and the further development of courses at NUST and the Windhoek Vocational Training Centre. The ITB’s expertise will be used to expand and update Namibia’s range of courses on green energy and hydrogen. The focus here is on mainstreaming gender-responsive content in the curricula.

The second package of measures includes study trips and networking formats between Bremen and Namibia. These include fact-finding missions, training courses and visits to green energy production plants, with a principal focus on establishing a network of experts in green energy who will be in constant dialogue with experts from Bremen.

Useful links

- Further information on the BLP:
<https://www.giz.de/en/worldwide/132983.html>
<https://bund-laender-programm.de/en>
- GIZ programme “Promotion of Technical Vocational Education and Training III (ProTVET) Project: <https://www.giz.de/en/worldwide/128009.html>

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