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VTC trainees are setting up a renewable energy installation

GERMAN GOVERNMENT AND FEDERAL STATES PROGRAMME
BUND-LÄNDER-PROGRAMM (BLP)

Federal state - partner country
Bremen - Namibia

Titel
Advancing TVET in Namibia Through the Introduction of an Industrial Mechatronics Qualification

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

Financing arrangements

BMZ contribution	152,500 EUR
Bremen contribution	101,420 EUR

Duration
01.08.2025 - 31.12.2026

Responsible ministry
Senate Chancellery of the Free Hanseatic City of Bremen

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



Namibia Builds Mechatronics Capacity

Local Situation

Namibia seeks to diversify its economy and reduce dependency on mining by fostering the development of emerging industries such as renewable energy and industrial manufacturing. The Namibia Vision 2030 highlights the expansion of vocational training as a key factor regarding the country's successful industrialization 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. To support Namibia's transition to an industrialized economy which includes a strong green energy sector, the TVET sector must focus on qualifications that align with industry demands. Such training can prepare individuals for employment across various emerging sectors and help build long-term resilience in the workforce. However, challenges persist, including outdated curricula, inadequate infrastructure, and a shortage of qualified instructors.

Cooperation

Namibia and Bremen have been working as partners for five decades, with universities and civil society playing key roles. The Free Hanseatic City of Bremen is represented in the project by the Senate Chancellery. The Institute Technology and Education (ITB) at the University of Bremen provides support to the project

'The introduction of the 'Industrial Mechatronics' qualification represents an important step in the modernisation and structural advancement of Namibia's TVET system. The integrated training in mechanics, electrical engineering and digital control strengthens the competitiveness and value creation of Namibia's industry across traditional and emerging energy sectors. By qualifying our instructors, we ensure the long-term institutionalisation of these competencies within the country. We are very pleased to host the train-the-trainer activities at our VTC."

Isak Ndipwashimwe
Center Manager
Valombola Vocational Training Centre



VTC solar installer trainees are conducting initial measurements

as implementation partner. The Namibian partners are the Namibia Training Authority (NTA), the Namibia Qualification Authority (NQA), the Namibia University of Science and Technology (NUST). The primary target group of this project are vocational training instructors at Namibia's vocational training centers (VTCs), who will be responsible for delivering the industrial mechatronics qualification. Eenhana VTC, Valombola VTC, Windhoek VTC and Nakayale VTC will serve as key hubs for the dissemination of industrial mechatronics education across Namibia, ensuring practical, competency-based training is delivered effectively.

What we are doing - and how

The project aims at training instructors to train future technicians, thus helping to ensure a sustainable availability of skilled workers for the Namibian economy.
The project is designed to contribute to a comprehensive and sustainable introduction of the industrial mechatronics qualification into Namibia's vocational training system. Structured curricula and teaching materials adapted to Namibia's industry requirements will be developed by experts from the ITB in close collaboration with the participating Namibian VTCs and NUST.
For an intensive train-the-trainer program selected vocational training centers will host structured training sessions on mechanical, electrical, and automation technologies. The project fosters structured cooperation among the participating VTCs and supports the development of joint training plans, coordination of specializations and team development to ensure strategic anchoring of the qualification within Namibia's vocational education landscape in the long term. This includes engaging institutions such as NTA, NQA, and NUST in a continuous dialogue, supporting the preparation for accreditation and a future expansion of the qualification. Regular exchange formats with decision-makers, as well as a clear communication strategy increase the visibility and ensure the sustainable integration of the vocational qualification into national structures.

Useful links

- Further information on the BLP:
  https://www.giz.de/en/projects/german-government-and-federal-states-programme-iii
  https://bund-laender-programm.de/en
- GIZ programme "Promotion of Technical Vocational Education and Training (ProTVET) III":
  https://www.giz.de/en/projects/promotion-technical-and-vocational-education-and-training-protvet-iii
- Institute Technology and Education (ITB) at the University of Bremen: https://www.itb.uni-bremen.de/ccm/navigation/institut/index.en

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