



IGNITE – Innovating Green Networks through Industry and TVET Empowerment for Green Hydrogen

Namibia University of Science and Technology – NUST

Country	Namibia
Sector	Green hydrogen & access to energy
Duration	01.11.2025 - 31.10.2027

IGNITE GH2 develops the skills needed for Namibia's fast-growing green hydrogen and Power-to-X (PtX) sectors by enhancing vocational training for unemployed graduates and aligning training with real job opportunities linked to national investments.



Context

Namibia is investing heavily in green hydrogen (GH2), including major projects such as the Namibia Green Hydrogen Programme and the Hyphen Hydrogen Energy project. These investments create strong demand for technicians, solar artisans and team leaders with job-ready skills. However, many TVET graduates struggle to access these new opportunities due to skills gaps and limited practical training. IGNITE GH2 responds to this challenge by aligning training with real labour market needs and supporting a skilled local workforce to take up new jobs in green hydrogen and related industries.



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The project's OP-VET approach

- Starts from real employment opportunities** created by national GH2 investments, ensuring that training responds to actual job demand.
- Engages the private sector throughout the process**, with Hyphen Hydrogen Energy (Pty) Ltd, zhero Molecules Walvis Bay (Pty) Ltd and others actively shaping skills requirements, curriculum updates, and the design of short courses, along with academia and TVET providers.
- Promotes fast, flexible pathways into employment**, including short courses and bridging programmes that help unemployed graduates transition quickly into high-demand occupations.
- Strengthens TVET institutions** through a Training of Trainers (ToT) model that builds long-term capacity and improves the quality of future training provision in alignment with private sector needs.
- Advances gender inclusion** by integrating women's participation into selection, curriculum design and project outreach, supporting equitable access to green economy careers.

Key activities

- Assess skills gaps and employment needs in the GH2/PtX sector.
- Update and develop curricula (Levels 4–6) in collaboration with industry and regulators.
- Deliver short courses, apprenticeships, bridging programmes and job matching for unemployed VET graduates.
- Train trainers and artisans (up to Levels 6–7) to strengthen institutional capacity.
- Procure equipment and tools for hands-on training and GH2-related research.
- Establish monitoring and reporting systems to track progress, job placement and lessons learned.

Partners



Namibia University of Science and
Technology - NUST
Lead organisation



Hyphen Hydrogen Energy (Pty) Ltd



zhero Molecules Walvis Bay (Pty) Ltd



Namibia Institute of Mining &
Technology - NIMT



NamWater LTD Centre

Why it matters

IGNITE helps Namibia build a job-ready workforce in a promising emerging sector, ensuring that young people benefit from major public and private investments. It also opens clear pathways into higher education, enabling TVET graduates to progress into more advanced technical roles. By aligning training with labour market needs, strengthening local institutions and creating inclusive pathways to decent work, the project stimulates economic activity, reduces unemployment, and fuels sustainable growth.

Expected impact

685 TVET graduates supported into
decent employment

40 trainers are certified

3000+ labourers indirectly benefit through
structured job creation



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Contact

Deutsche Gesellschaft für Internationale
Zusammenarbeit (GIZ) GmbH
TEI Opportunity-driven Skills and VET in Africa

- Emil Spieler - emil.spieler@giz.de
- Sigrun Leffler - sigrun.leffler@giz.de

Namibia University of Science and
Technology (NUST)

- Bas Rijnen - brijnen@nust.na
- Leena Kloppers - lkloppers@nust.na

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