

# DPPs in TVET INSIDER

## NEWSLETTER

Vocational training for green jobs  
in Viet Nam and Mongolia

VOLUME 1

### HIGHLIGHTS

#### Training of Trainers



The advanced further training “*Mechanical Assembly & Wind Plant Operation*” for 12 TVET teachers was conducted by trainers of the Thuan Binh Wind Power JSC (TBW). During the hands-on sessions at Phu Lac Wind Park, the teachers inspected and disassembled turbine gearboxes, deepening their understanding of key mechanical and electrical components of a wind turbine. The training is part of a series of further training courses for TVET teachers and in-company trainers who implement the further training programme “*Wind Energy Service Technician*” for TVET graduates and industry technicians of mechanical and electronic engineering.

Then, intensive hands-on renewable energy training sessions were conducted by Festo Didactic trainers that strengthened 9 TVET teachers and students’ technical skills, competition readiness, and confidence and prepared them for WorldSkills Competition participation in September 2026 in Shanghai.

Further, master trainers of KTEC - Khanh Hoa Technology and Energy College, the center of excellence for renewable energies training, conducted the further training course “*Fundamental Training Programme on Wind Energy*” for 14 TVET teachers from Northern Electricity Power College (NEPC), An Giang Vocational College, LILAMA 2 International Technology College, College of Machinery and Irrigation (VCMI), Long An College and KTEC. The training aimed to deepen the teachers’ technical expertise in wind technologies, leveraging modern and sophisticated equipment.

At last, 16 technicians and engineers from the wind and solar energy sector, together with TVET teachers, were successfully qualified as in-company trainers. Through the training, participants enhanced their ability to jointly plan, organise, deliver, and evaluate in-company training phases.

Equipped with greater confidence and practical skills, TVET teachers and in-company trainers are now ready to support high-quality workforce development aligned with international standards, contributing to a stronger and more future-ready renewable energy sector.

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## Pioneering training

### A Milestone for Wind Energy Training at TVET college in Viet Nam

KTEC has piloted the newly developed 6-month further training programme “Wind Energy Service Technician – WEST” and added another milestone in its role as a leading training centre for renewable energies. The 9 pioneering TVET graduates in electronics/mechatronics are being further qualified as wind energy service technicians and trained at KTEC and on-the-job at Phu Lac Wind Park, operated by TBW.

The trainees climbed up to 100 meters above ground to the turbine nacelle, worked side by side with experienced technicians, and gained real-world hands-on experience on turbine maintenance and repair works together with the TBW engineers.



**60**

**TVET teachers and in-company trainers**

have completed the new training courses for renewable energies and other climate and environment-relevant technologies

**239**

**TVET trainees**

of initial training programmes were qualified in 11 short-term further training courses (40-80 hours/ each) on solar, wind, home energy and hydropower

**65**

**high-school students from Ninh Thuan Ethnic Boarding High School received**

taster courses on RE and raised awareness for solar energy systems and encouraged students, especially young women and from ethnic minorities, to consider vocational training after graduation.

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## From Classroom Learning to Industry-Based Training

To further enhance hands-on learning in renewable energy, the project has equipped KTEC with a hybrid solar power system and a modern hydraulic fastening system, used in the wind energy industry. The equipment provides direct access to industry-relevant technologies for installation, operation, troubleshooting, and maintenance in a safe and structured learning environment.

The LILAMA2 International Technology College, College of Machinery & Irrigation VCMI, Nha Trang College of Technology, Hue Industrial College, An Giang Vocational College, Ho Chi Minh College of Technology II, Bac Ninh College of Industry were equipped with solar energy training kits from Schneider Electric that enhance their training offers on renewable energies in their catchment area.

Integrating real industrial equipment into the training delivery, KTEC and the other supported colleges are offering high-quality training programmes that are aligned with industry standards and better prepare students and graduates to meet the growing workforce demands of the renewable energy sector.

## WATCH & LISTEN

### Building skills for Viet Nam's Renewable Energy Transition



Transition to a sustainable economy could create 375 million new jobs over the next decade. However, skill shortages could cause renewable power generation to fall nearly 10% short of global tripling targets<sup>1</sup>. Recognising this issue, KTEC - Centre of Excellence for Renewable Energies is supporting the development of a new generation of skilled professionals. The center equips future technicians with industry-aligned skills for wind-turbine and solar-PV installation, operation and maintenance, with modern classrooms, training workshops, and in close cooperation with training partner companies in the renewable energy sector.

The DPP “Vocational Training Center for Renewable Energies – Wind and Solar Technology” supported under the develoPPP Programme, implemented by GIZ on behalf of BMZ, together with private-sector partners, was highlighted at the Sustainable Business COP30 Award in 2025. Watch the above video to see the impact in action!

**AWARDS 2025**

# SB COP AWARDS

SUSTAINABLE BUSINESS COP30

Sustainable Business COP Case Awards recognize the case

**VOCATIONAL TRAINING CENTRE FOR RENEWABLE ENERGIES – WIND AND SOLAR TECHNOLOGY**

by **BMZ/GIZ** for its outstanding commitment to supporting the transition to a low-carbon economy through innovative and scalable solutions that deliver real economic impact and measurable climate change mitigation and adaptation.

Belém, November, 2025

Ricardo Mussa  
SB COP30 Chair

Antonio Ricardo Alvarez Alban  
President of the SB COP30 Business Council and  
President of the Brazilian  
National Confederation of Industry (CNI)

**CNI** Brazilian National Confederation of Industry

<sup>1</sup> [Source](#): International Climate Initiative (IKI), 2025 “Jobs and skills for the new economy, Germany” and “The Impacts of Skills Shortages on Global Power Sector Emissions, Germany”.

## IN THE NEWS

### DPP featured on German TV!

The DPP project “Vocational Training Center for Renewable Energies – Wind and Solar Technology” was highlighted among GIZ’s works in Viet Nam.

[Watch the full reportage!](#)



### Study tour of TVET and RE stakeholders from Mongolia to Viet Nam

A Mongolian delegation of TVET colleges and private-sector companies visited Viet Nam to learn from best practices in implementing TVET industry-oriented collaboration at TVET institutes and partner training companies. The visit focused on effective cooperation mechanisms between colleges and private-sector partners, and active engagement of company trainers in workplace-oriented training of students. Insights gained will support efforts to strengthen industry cooperation and enhance the quality of TVET in Mongolia. [Read more!](#)



## WHAT'S NEXT?

### Enrollment now open

#### March – June 2026

Further training in wind energy operation and maintenance for TVET teachers and in-company trainers at Phu Lac Wind Park

### Upcoming training and events

Training course on renewable energies for young technicians, women, and people from ethnic minority groups, at KTEC

2'nd batch of “Wind Energy Service Technician” in-company training at Phu Lac Wind Park

Further training in wind energy safety for TVET teachers and other training staff, to be conducted at KTEC

Assessment and mission to Mongolia and conduction of RE further training of TVET teachers by KTEC

#### September 2026

Graduation ceremony for the 1'st Batch of “Wind Energy Service Technician” trainees

Green Industry Day for industry and TVET stakeholders,

MOU signing with 3 TVET institutes to advance as Train-The-Trainers training centers on RE