With the Business Sector — for the Business Sector

Vietnamese-German Development Cooperation in Technical and Vocational Education and Training (TVET)

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„Programme Reform of TVET in Viet Nam“
- Approach -

Implemented on behalf of BMZ.
What are we doing?

**TVET System Advisory** (Technical Cooperation)
- Demand-oriented advisory services and capacity development
  - in the process of TVET strategy development until 2020 and TVET law revision,
  - to certain aspects: Cooperation state and business community - Network of Centre of Excellence for TVET - Greening TVET - Awareness raising for TVET - Regional Integration – Sector Monitoring

**Support of TVET Institutes (Technical Cooperation)**
- Practice-oriented further training of teachers
- Advisory and further training of management staff
- Development/adaptation of demand-oriented training modules
- Development/adaptation of teaching and learning material
- Promotion of cooperation with enterprises

Interlinked with provision of development funds for the tendering, delivery and installation of training equipment to the TVET institutes (FC).
Programme Reform of Technical and Vocational Education and Training (TVET) in Viet Nam

4 Components:
- Programme Vocational Training 2008 (2010-2014)
- Centre of Excellence for TVET (LILAMA 2) (2013-2017)

Private TVET Institute: Hai Phong Polytechnic College Bach Nghe (2012-2014)

NEW MEASURES
(as part of Programme Reform of TVET in Viet Nam):
- Centre of Excellence for Green TVET (fact-finding)
- Training for Subway operation staff
Where are we active?

Supported TVET Institutes are selected according criteria agreed by GDVT, KfW and GIZ

Supported Occupations:
- **Metal Work** (Metal Cutting/CNC, Industrial Mechanics)
- **Electrics/Electronics** (Industrial Electrics/Electronics)
- **Mechatronics**
- **Waste Water Treatment** (new)

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Potentials of Cooperation with German Business Community in TVET in Viet Nam
Possible Fields of Engagement of Enterprises in TVET in Viet Nam:

- Occupational Standard development and update
- Assessment and Certification
- Training Delivery (in cooperative modes)
- TVET Institute + Enterprise
- Teaching Staff Development
- Regulatory Framework for TVET
- Awareness Raising for TVET
Occupational Standard development and update

- Share the immediate and medium term requirements and needs of workforce to GDVT/MoLISA and TVET partner institutes
- Be partner in Occupational standard development and revision processes (reference to German standards).

Interlinks to “Programme Reform of TVET in Viet Nam”:

- Development/Updating of Occupational Standards in Metal Cutting/CNC, Industrial Electronic/Electrotechnology, Mechatronic, Industrial Mechanic, Sewage (oriented on German standards)
- Requirements for “green” skills
provide internships /structured in-company training for trainees in cooperative training modes. 

- Provide training materials 

- Send competent workers to TVET institutes to share experiences of world of work to trainees and teachers. 

Interlinks to “Programme Reform of TVET in Viet Nam”:

- Piloting new training modes in Metal Cutting/CNC, Industrial Electronic/Electrotechnology, Mechatronic, Industrial Mechanic at LILAMA 2 College, Sewage at HCM College 2, Metal Cutting at Hai Phong College (oriented on German standards) and other (previously) supported TVET institutes (see list).
Assessment and Certification

- Be partner in piloting new forms of (independent) assessment and certification (according to German/international standard in collaboration with AHK/IHK), including:
  - development assessment criteria based on Occupational standards
  - be part of examination boards, provide assessors

Interlinks to “Programme Reform of TVET in Viet Nam“:

- Piloting new forms of assessment in Metal Cutting/CNC, Industrial Electronic/Electrotechnology, Mechatronic, Industrial Mechanic at LILAMA 2 College, Sewage at HCM College 2, Metal Cutting at Hai Phong College (oriented on German standards)
Train in-company trainers for conducting in-company training on high quality.

In-company practical internship opportunities for teaching staff of TVET institutes to get insight in real world of work.

Interlinks to “Programme Reform of TVET in Viet Nam”:

- Teaching staff development in Metal Cutting/CNC, Industrial Electronic/Electrotechnology, Mechatronic, Industrial Mechanic at LILAMA 2 College, Sewage at HCM College 2, Metal Cutting at Hai Phong College and other (previously) supported TVET institutes (see list)
TVET fairs, Job fairs

Information about occupational profiles and TVET programmes

Information about career perspectives for TVET graduates

PR to gain interest of further (Vietnamese) companies to engage in TVET

Interlinks to “Programme Reform of TVET in Viet Nam”:

- Selected awareness raising campaigns (occupational information, photo exhibitions on TVET...)

- Based on pilot experiences German companies as “door opener” to get Vietnamese companies stronger involved in TVET
What we offer in frame of „Programme Reform of TVET“:

- Support contacts to relevant TVET authorities and TVET partner institutes
- Provide updated TVET sector information
- Provide technical expertise in terms of concepts (e.g. cooperative training forms, adaptation of labour market-oriented training offers)
- Provide existing learning and teaching materials (see www.tvet-vietnam.org)
- Provide management advice to TVET institutes
- Conduct further technical and pedagogical (further) training to TVET teachers of supported TVET institutes
- Support training of in-company trainers
- Share lessons learned with a view to further reform of Vietnamese TVET system
My questions to you...

to further identify areas for cooperation...

within „Programme Reform of TVET in Viet Nam“:

• What is your interest for engaging in TVET in Viet Nam?

• What you can provide to support TVET development in Viet Nam?

• What you (we) need to bring it into concrete actions?
Please contact us!

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Some Implementation Experiences

... in cooperation with German Businesses
Further **Training of Teaching Staff**
(subject-related, **practical**, pedagogical/didactical)

Example integrated PPP and develoPPP:

- **Partner:** European Association for Vocational and Social Education (EBG)
- **Objective:** Improve supply of competent workers in metal industry
- **Timeframe:** 2008-2010
- **Results:**
  - 21 Teachers (8 **multipliers**) improved their competencies in metal cutting/CNC
  - Piloted further teacher **training concept** applied for nation-wide further teacher training
  - Comprehensive **training material** developed
  - **Tailormade further training for workers** from industry developed and conducted at TVET institutes
Piloting suitable forms of **cooperative training** with **structured interlinked training phases** in school and at workplace

Example develoPPP:

- Partner: Messer Haiphong Industrial Gases Co. Ltd. and B.Braun Vietnam Co. Ltd.

- Objective: **Pilot a cooperative vocational training programme „Mechatronics“ on college level**

- Timeframe: 2013-2015

- In implementation.
Modern equipment provided to selected TVET institutes and capacities strengthen to use in training.

Example integrated PPP:

- **Objective:** Build up a model mechatronic lab at the University for Technical Education Hung Yen
- **Partner:** Festo Didactic GmbH & Co. KG
- **Timeframe:** 2007 - 2009
- **Results:**
  - Mechatronic workshop established and in use for practical vocational training.
  - Practical skills of teachers improved.
Integrate „Green Skills“ requirements into TVET (referring to Vietnamese „Green Growth“ strategy).

Example develoPPP:

- **Objective:** Energy-efficient construction in Vietnam
- **Partner:** BFW Bau Sachsen e. V.  
  Xella Baustoffe GmbH  
  Iproplan Planungsgesellschaft mbH
- **Timeframe:** 2013 – 2015
- **Activities:**
  - Build-up a model of eco-friendly building
  - Pilot vocational training course in environmentally friendly and energy-efficient construction at CUWC
  - Capacity building to ensure there are sufficient competent teachers/trainers at CUWC to act as multipliers throughout the country