

# TVET Hamburg

## PROFESSIONAL DEVELOPMENT PROGRAMME

### TVET for Green Economy and Energy Efficiency in Germany

4-8 May 2020

<b>Location</b>	Hamburg, Germany
<b>Participants</b>	TVET managers, policy makers, researches, teachers and trainers with a specific interest in Green Economy and Energy Efficiency Sector
<b>Duration</b>	5-days programme (excluding travel days)
<b>Objective and thematic priorities</b>	<p>The study visit will provide the participants with a proper understanding of</p> <ul style="list-style-type: none"><li>▪ Features of dual TVET, roles and functions of major players</li><li>▪ New skills and emerging jobs greening the economy in Germany</li><li>▪ TVET arrangements for sustainable development</li><li>▪ Pedagogical approaches and new learning culture in green TVET</li><li>▪ Digitalization in TVET</li><li>▪ Qualification exams and quality management in German TVET</li><li>▪ Teacher training and professional development</li></ul>
<b>Programme overview</b>	<p>During the 5-days programme the participants will visit:</p> <ul style="list-style-type: none"><li>▪ Hamburg Institute for Vocational Education (HIBB)</li><li>▪ Hamburg Chamber of Commerce (HK)</li><li>▪ One TVET school (profile: renewable energies, energy efficiency, smart technologies)</li><li>▪ One Inter-company centre for skills training and vocational guidance</li><li>▪ Two innovative enterprises/business associations in the field of renewable energies and smart technologies - with a focus on energy generation and transition, sector coupling, offshore wind, etc.</li><li>▪ Hamburg Institute for Monitoring and Evaluation and for Quality development in education (IfBQ)</li></ul>
<b>Relevant information</b>	<ul style="list-style-type: none"><li>▪ The programme will be held in English</li><li>▪ Continuous Specialist support throughout the week</li></ul>
<b>Logistical arrangements</b>	<p>Participants organise their travel to and from Hamburg TVET Hamburg organises:</p> <ul style="list-style-type: none"><li>▪ Accommodation for participants in a 3* hotel (six nights with breakfast)</li><li>▪ Inner-city transport during the study tour</li><li>▪ Meals (lunches and two dinners)</li><li>▪ Sightseeing tour in Hamburg</li></ul>
<b>Price per participant</b>	2,385 € plus 19% VAT (Registration fee: 1,385 € and Logistical Package: 1,000 €)

*Please note: This agenda is subject to change. Changes can occur up until the start of the Professional Development Programme.*

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Day 1, 04.05.2020

## Objectives:

- Participants are familiar with the key success factors of German dual TVET.
- Participants understand the framework conditions of dual vocational education and training.
- Participants get the overview of TVET approaches and training specialties for green economy and sustainable growth.

Time	Programme	Involved Institution
Morning	<b>Kick-off workshop:</b> Presentation of the professional development programme, alignment with participant's expectations and individual objectives	Hamburg Institute of Vocational Training (HIBB)
	<b>German dual TVET – Introductory seminar</b> <ul style="list-style-type: none"> <li>▪ TVET system in Germany: general overview, permeability of educational pathways</li> <li>▪ Dual training: conceptual background, regulatory framework, didactical approach, financing mechanisms</li> <li>▪ Learning venues in dual TVET and framework curriculum</li> </ul>	
	<i>Lunch break</i>	
Afternoon	<b>TVET for sustainable development goals – Seminar:</b> <ul style="list-style-type: none"> <li>▪ TVET for green economy in Germany: overview of training specialties</li> <li>▪ Sustainable development across the curriculum, cross-cutting sustainability competencies in TVET</li> <li>▪ Greening TVET institutions: towards a new learning culture</li> </ul> <b>Reflection of the day and lessons learned: Moderated discussion</b>	HIBB – Senior Expert for Sustainable Development in TVET (tbc)

Day 2, 05.05.2020

## Objectives:

- Participants gain insight into the roles and responsibilities of major partners of dual TVET, with emphasis on the close cooperation of vocational schools and in-company training.
- Participants are familiar with the school-based and company-based curricula.
- Participants understand approaches for innovating and greening TVET curricula.

Time	Programme	Involved Institution
Morning	<b>Public private partnership: cooperation between vocational schools and companies (in-company training) – Seminar</b> <ul style="list-style-type: none"> <li>▪ Major partners involved in dual TVET</li> <li>▪ Role and responsibilities of Chambers as key players</li> <li>▪ Harmonisation between companies and vocational schools</li> <li>▪ Companies' assessment as learning venues</li> <li>▪ Monitoring of training quality, independent examination and certification of qualifications.</li> </ul>	Hamburg Chamber of Commerce (HK)
	<b>New skills and emerging jobs for green economy: Overview</b> <ul style="list-style-type: none"> <li>▪ Clusters of occupations for green economy: renewably energy generation, energy efficiency and smart consumption</li> </ul>	
		Renewable Energy Hamburg Cluster Agency, HK

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Time	Programme	Involved Institution
	<ul style="list-style-type: none"> <li>Approaches of Innovating TVET curricula and integrating new occupations/ green skills in TVET</li> <li>Role of employers</li> </ul>	Mr. Jan Rispens, Managing Director
	<i>Lunch break</i>	
<b>Afternoon</b>	<p><b>Learning enterprise and apprenticeship model:</b>  <b>Site visit to a hi-tech enterprise</b> being a learning venue of the dual TVET</p> <ul style="list-style-type: none"> <li>Activity profile, key figures and qualification structure of the enterprise: self-presentation</li> <li>Apprenticeship: legal basis, learning arrangements and teaching approach, discussions with apprentices and trainers</li> <li>Guided tour through the enterprise</li> </ul> <p><i>Reflection of the day and lessons learned: Moderated discussion</i></p>	Hi-tech enterprise (specialization: renewable energy generation or energy efficiency)

**Day 3, 06.05.2020**

## Objectives:

- Participants gain knowledge about TVET best practices in the field of renewable energy, skills development and vocational guidance approaches.
- Participants are familiar with in-company training for green economy.

Time	Programme	Involved Institution
<b>Morning</b>	<p><b>Practical arrangements of TVET for green economy:</b>  <b>Site visit to a vocational school</b></p> <ul style="list-style-type: none"> <li>History, profile and key figures of the school: self-presentation by the school principal and discussion with principal/ teachers</li> <li>Learning arrangements, facilities and equipment: guided tour</li> <li>Competency based approach and teaching methods: analysis of a framework curriculum for a "green" occupation</li> </ul>	Vocational School (specialization of training: renewable energy generation or energy efficiency)
	<i>Lunch break</i>	
<b>Afternoon</b>	<p><b>Continuing vocational training:</b>  <b>Site-visit to an inter-company competence centre</b></p> <ul style="list-style-type: none"> <li>Self-presentation of the centre, guided tour through training facilities</li> <li>Target groups and types of training programmes</li> <li>Vocational guidance best practices</li> </ul>	Inter-company competence centre

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Day 4, 07.05.2020

## Objectives:

- Participants are familiar with principles and basic tools of quality management in vocational schools.
- Participants understand current issues and trends of TVET digitalization in Germany.

Time	Programme	Involved Institution
Morning	<b>Quality Management at TVET schools - Seminar</b> <ul style="list-style-type: none"> <li>▪ Tasks and responsibilities of IfBQ</li> <li>▪ Performance indicators in TVET</li> <li>▪ Approaches to monitoring and evaluation of learning outcomes at TVET schools</li> </ul>	Hamburg Institute for Training Monitoring, Evaluation and for Quality development (IfBQ)
<i>Lunch break</i>		
Afternoon	<b>Digitalisation in German TVET: Challenges and solutions - Interactive workshop</b> <ul style="list-style-type: none"> <li>▪ Digitalisation and automation: opportunities and risks for TVET</li> <li>▪ Learning potential of virtual and augmented reality</li> </ul> <p><i>Reflection of the day and lessons learned: Moderated discussion</i></p>	IfBQ – Senior Expert for Digital Innovations (tbc)

Day 5, 08.05.2020

## Objectives:

- Participants gain knowledge about TVET best practices in the field of renewable energy, sustainable construction and smart water technology.
- Participants draw conclusions on lessons learned and applicability of German TVET experience for green economy in their home countries.

Time	Programme	Involved Institution
Morning	<b>Site visit to the innovation park for smart water technologies and energy efficiency:</b> <ul style="list-style-type: none"> <li>▪ Presentation of the park: history, activities, key figures</li> <li>▪ Qualification structure of employees</li> <li>▪ Training concept, skills development programmes</li> <li>▪ Guided tour through the park</li> </ul>	Park of Sustainable Water Technologies
<b>Lunch break</b>		
Afternoon	<b>Concluding workshop</b> <ul style="list-style-type: none"> <li>▪ Lessons learned - wrap up discussion on the applicability of TVET elements for green economy in the participating countries</li> <li>▪ TVET Hamburg: international cooperation potential</li> <li>▪ Awarding certificates</li> </ul>	GFA Consulting Group

## TVET Hamburg

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