Name of Expert:	Michael Thomas WOLF
Date of Birth:	13/01/1961
Country of Citizenship:	Germany

Key qualifications:

Extensive international experience in Technical and Vocational Education and Training (TVET), covering TVET programme development and implementation, institutional strengthening, skills development, labour market and Training Needs Analysis (TNA), competency-based curriculum development, equipment planning and procurement, teacher/trainer development and industry cooperation.

Extensive experience in Asia, including long- and short-term assignments supporting TVET institutions, government programmes and skills development initiatives. Strong familiarity with competency-based skills development environment, National Occupational Standards and Qualification Packs, industry-linked training, institutional capacity development and modernisation of technical training infrastructure.

Proven expertise in identifying and developing labour market-responsive training programmes, based on Training Needs Analysis, industry consultation, occupational standards and institutional capacity assessment, and in translating training requirements into curricula, teaching and learning resources, workshop concepts and equipment requirements.

Experienced in advising and coordinating multidisciplinary international and national expert teams and providing technical guidance to TVET institutions and government counterparts throughout programme preparation and implementation.

Experience with ADB- and KfW-supported TVET operations and project preparation requirements, including institutional assessment, equipment needs analysis, procurement planning, preparation of technical specifications, Bills of Quantities, cost estimates, bidding document inputs and documentation required for loan processing.

Proven ability to translate TVET investment and procurement methodologies into structured digital workflows, including development of the **TVET Equipment Planning System (TEPS)** for equipment planning, market benchmarking, cost estimation and procurement preparation.

Education:

Institution [Date form – date to]	Degree (s) or Diploma (s) obtained:
Training Center of the Chamber of Commerce and Industry (CCI) - IHK Bildungszentrum Hof; Hof-Germany [11/1995 - 11/1996]	Certified Foreign Language Correspondent English (CCI)
Training Center of the Chamber of Commerce and Industry (CCI) - IHK Bildungszentrum Hof; Hof-Germany [09/1987 - 06/1988; weekend and evening classes]	Trainer Aptitude Examination: Qualified Trainer
Municipal School of Engineering - Städtische Technikerschule Hof; Hof-Germany [09/1986 - 07/1988]	State-Certified Engineer for Mechanical Engineering (FS Diploma); DQR/EQF Level 6
EMU Unterwasserpumpen GmbH; Vocational Training College - Staatliche Berufsschule Hof; Hof-Germany [09/1977 - 02/1981]	Skilled Worker – Engineering Fitter (Certificate of Proficiency)

Training:

Institution [Date form – date to]	Title of Training:
GIZ Academy for International Cooperation; Bad Honnef-Germany [11/2017]	Training Course: Effective Presentations in an International Context
GIZ Academy for International Cooperation; Bad Honnef-Germany [11/2017]	Training Course: Understanding Organizations-Supporting Change Processes
GIZ Academy for International Cooperation; Bad Honnef-Germany [11/2017]	Training Course: Roles and Competencies in Consulting
Open Universities Australia - Central Institute of Technology; Online study [05/2016]	Training course: Teaching Adult Learners
Open Universities Australia - TAFE SA; Online study [12/2015]	Training course: Becoming a Confident Trainer
Joemars Machinery Co. Ltd; Taiwan [03/2008]	Training Course: Programming and Operation of CNC EDM Wire Cut WT 455
Joemars Machinery Co. Ltd; Taiwan [02/2008]	Training Course: Programming and Operation of CNC EDM JMNC 32
Inwent; Bad Honnef-Germany [05/2007]	Seminar: International Development Cooperation and Islam
Industrias ROMI; Santa Barbara d'Oeste, Sao Paulo – Brazil [04/2007]	Training course: CNC Programming and CNC Machine Operation [CNC lathe ROMI E320A with FANUC 21i -TB control (ISO, Manual Guide); CNC milling machine ROMI D560 with Siemens Sinumerik 810D control (ISO, ShopMill); CNC milling machine ROMI D560 with FANUC 21i -MB control (ISO, ShopMill)]
Inwent; Bad Honnef-Germany [03/2007]	Seminar: Intercultural Communication & Management-North Africa and West Asia
Center of Competence for Grinding Technology (University of Applied Sciences Furtwangen); Schwenningen-Germany [05/2006]	Seminar: Modern Grinding and Superfinishing Technology
WZL RWTH Aachen; Aachen-Germany [03/2006]	Seminar: Materials in Production Engineering
DMG Trainings Academy Asia; Singapore [02/2005]	Training course: CNC Programming [Sinumerik Sinutrain; Heidenhain iTNC 530; Heidenhain TurnPlus]
Fraunhofer Institute; Magdeburg-Germany [11/2003]	Training workshop: Life Cycle Oriented Plant Management
TGI Thai-German Institute; Chonburi-Thailand [02/2003]	Seminar: Maintenance Management
MTS Mathematisch Technische Software Entwicklung GmbH; Berlin-Germany [09/2001]	Training course: CAD/CAM Turning and Milling; Training course: CNC Turning and Milling
DMG Trainings Academy Asia; Singapore [05/1999]	Training course: Gildemeister CTX 200 E and Deckel Maho DMU 60 T
IPZ; Hamminkeln-Dingden/Germany [06/1997]	Seminar: Vocational Training in Developing Countries
German Development Service DED; Berlin-Germany [04/1997]	Seminar: CEFE-Competency Based Economies through Formation of Entrepreneurs
Bfz e.V.; Hof-Germany [03/1995]	Advanced training course: CNC Technology
Training Center of the Chamber of Commerce and Industry (CCI) – IHK Bildungszentrum Hof; Hof-Germany [10/1994]	Training course: Staff Management

Employment record:

Period	Employing organization and your title / position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
11/11/2023-ongoing	**Organization:** IPC – Internationale Projekt Consult GmbH wolter@ipcgmbh.com **Position:** Selection Pool Expert and International Technical Expert	**Serbia, Bosnia and Herzegovina**	**Project Title:** WB6 REGIONAL CHALLENGE FUND ("RCF") WB6 Chamber Investment Forum and KfW ("WB6 CIF") **Description of key responsibilities:** • Evaluation and scoring of TVET investment proposals against programme objectives and selection criteria. • Assessment of proposed training programmes, institutional capacity, industry cooperation, workplace learning and labour-market relevance. • Technical assessment of investment and equipment concepts for selected TVET consortia. • Review of proposed equipment against curricula, occupational requirements and intended training outcomes. • Preparation of recommendations for improvement of institutional and investment concepts. • Preparation and review of technical specifications, cost estimates and technical aspects of procurement documentation. • Participation in peer review and expert coordination processes.
01/08/2024-present	**Organization:** Self-employed **Position:** Freelance TVET Consultant	**Germany, Thailand**	• Providing technical advisory services in TVET development, institutional assessment, workshop and laboratory planning, equipment concepts and procurement strategies for international TVET projects. • Development and application of the **TVET Equipment Planning System (TEPS)**, a digital planning and decision-support tool for structuring TVET equipment investments, including training-programme and equipment alignment, equipment packages and technical specifications, supplier and market benchmarking, budget and cost planning, RFQ/quotation management, and procurement preparation. • Application of TEPS methodology to current TVET investment-planning assignments, supporting systematic assessment of equipment requirements, technical and commercial benchmarking, and preparation of procurement-ready equipment packages. • Preparation and review of technical specifications, Bills of Quantities, equipment concepts, workshop layouts and cost estimates for mechanical engineering, CNC machining, welding, mechatronics and related technical training areas. • Advising on modernization of TVET institutions and Centres of Competence, including alignment of curricula, occupational requirements, workshop infrastructure and training equipment.
20/06/2023-20/12/2023	**Organization:** GOPA Worldwide Consultants GmbH Elsa.Bendine@gopa.de **Position:**	**Jordan**	**Project Title:** Establishment of a new campus for Technical and Vocational Education and Training (TVET) in Amman (HTU+ TVET campus), upgrading of two selected Vocational Training Institutes (VTIs) in Irbid **Description of key responsibilities:** • Review and revision of procurement documentation for workshop and laboratory equipment for a new TVET campus and two Vocational Training Institutes.

	International STE: TVET equipment & OS development		• Preparation and optimization of technical specifications, Bills of Quantities and equipment lists for mechanical engineering, welding and metalworking workshops. • Assessment of workshop layouts, equipment coordination and compliance with KfW procurement requirements. • Development of equipment planning concepts aligned with occupational standards and competency-based training requirements. • Preparation of technical recommendations for tender documentation and procurement procedures. • Review and refinement of Occupational Standards for the occupation "Craftsperson for High-Quality Metal Construction (including Welding)."
30/05/2022-29/07/2022	**Organization:** GOPA Worldwide Consultants GmbH Michael.Johnson@gopa.de **Position:** International STE: TVET equipment & curriculum development	**Tanzania**	**Project Title:** Employment and Skills for Development in Africa (E4D) **Description of key responsibilities:** • Review existing curricula and consider international best practices for the development of curricula for three short courses with a duration of 267 lessons in welding (one short course), industrial plumbing (one short course) and mechatronics (one short course). • Develop teaching guidelines for short courses in welding, industrial plumbing and mechatronics for workshop hands-on training and life skills modules. • Review the drafted lists and specifications of equipment for welding, industrial plumbing and mechatronics vocations and other relevant materials/documents; • Visit all VETA centres to review the training facilities/infrastructure (workshops, classrooms, storage facilities, power etc.), their training capacity within each vocation and class size, the availability of existing equipment, and equipment maintenance procedures and other relevant issues. • Establish separate equipment lists and specifications for the three vocations for each of the VETA Centres following the same format and which should include equipment items, specifications, number of items, estimated price (in Tanzanian shilling/EURO) and total price. The procurement specification lists should include estimated training consumables for short courses (200 hours).
21/02/2022 – 21/03/2022	**Organization:** GOPA Worldwide Consultants GmbH Michael.Johnson@gopa.de **Position:** International STE: TVET equipment	**Ukraine**	**Project Title:** EU4Skills “Better Skills for Modern Ukraine – Component 3 Modernization of VET Infrastructure” **Description of key responsibilities:** • Preparation of technical specifications for new professional training equipment (Software processing operator, CNC machine operator, car mechanic, car electrician, industrial mechanic, welder, electrician, computer maintenance technician, machine tools operator, STEM trainer and server room) at 8 Vocational Training Centres • Provision of inputs to all documents required for loan processing (procurement plans, cost estimates, etc.)
04/01/2021-28/02/2021	**Organization:** GOPA Worldwide Consultants GmbH Anna.mainka@gopa.de **Position:** International STE: TVET	**Myanmar**	**Project Title:** EU-funded project “ Institutional Strengthening & Policy Dialogue” **Description of key responsibilities:** • Development of selected priority TVET courses (competency-based student learning modules, units of work and trainer guides, student learning activities and learner outcomes, resources and materials)

			• Specification of teaching/learning resources and materials for each subject area', incl. textbooks/coursebooks, graphic materials, A/V and 'e-resources', authentic materials and subject-specific 'realia' • Preparation of teacher guidance materials for each technical area, containing course specifications, guidelines and operations, supplementary teaching/learning resources, practical course components, and assessment procedures, also in 'e-format'
13/01/2020-30/01/2020	**Organization:** AARC Consultancy – O/B CRISP Omon Narzikulov, omon@aarcconsultancy.com **Position:** International STE: TVET equipment	Georgia	**Project Title:** ADB: "TA-9790 GEO: Modern Skills for Better Jobs Sector Development Program – International Vocational Education and Training (VET)" **Description of key responsibilities:** • Provision of support for VET institutes to assess the condition of equipment and identify equipment needs for the following sectors: tourism, textiles and apparel, agriculture, viticulture, additional sectors to be identified) • Advising on selection of TVET institutes and occupational profiles to be supported • Assessment of plans/concepts/documents and of physical prerequisites of rooms/workshops/labs to be equipped • Preparation of technical specifications for required equipment (coordinated qualities and quantities of items, including technical preliminary remarks like i.e. standards, certificates, certification marks etc. for certain products and items of new equipment, furniture, TLM etc.) • Support the TRTA procurement specialist in preparing procurement packages and draft bidding documents for equipment for priority sectors • Ensuring that equipment maintenance plans, user training, and equipment maintenance and repair services form part of procurement packages • Provision of inputs to all documents required for loan processing (procurement plans, cost estimates, etc.) • Preparation of bills of quantities for goods (training equipment, TLM, furniture, suppliers' training etc.) to be procured classified by institute
06/11/2017-06/11/2022	**Organization:** Centre for Research & Industrial Staff Performance (CRISP) / CIM Teresa Geisler, teresa.geisler@giz.de **Position:** Senior Manager/International TVET Consultant	India	**Project Title:** Centre for Research & Industrial Staff Performance (CRISP) / CIM **Description of key responsibilities:** • Institutional strengthening and capacity development of CRISP and its technical and managerial staff. • Assessment of labour-market and industry requirements and organization of Training Needs Analyses with relevant industrial enterprises. • Review of occupational standards and qualification packages with regard to international comparability and industry requirements. • Development and modernization of competency-based training programmes and introduction of new training offers aligned with employment and industry needs. • Establishment and strengthening of cooperation mechanisms between TVET providers and German/European and Indian industries, including apprenticeship and workplace-learning opportunities. • Planning and modernization of workshops and laboratories, including equipment concepts, floor and equipment layouts and utility requirements.

			• Preparation of technical specifications, Bills of Quantities, procurement packages and draft bidding documents for TVET equipment in accordance with ADB and KfW procurement requirements. • Preparation of investment concepts and project implementation plans, including equipment lists, laboratory layouts, budgets and implementation schedules. • Facilitation of Training of Trainers workshops on competency-based curriculum development, assessment and CNC/manufacturing technology. • Development of teaching and learning materials in cooperation with trainers and technical specialists. • Coordination and capacity building of multidisciplinary CRISP teams involved in TVET programme development and implementation.
24/11/2018-31/12/2018	**Organization:** NIRAS IP Consult - O/B CRISP Dr. Harald Habermann, harald.habermann@ip-consult.de **Position:** International STE: TVET equipment	Ethiopia	**Project Title:** KfW: "Support of the National and Vocational Education and Training Strategy of the Government of Ethiopia" **Description of key responsibilities:** • Preparation of technical specifications for new professional training equipment (Basic Training Metal; General Manufacturing and Assembly; Conventional Machining; CNC Machining and Welding) at 6 Polytechnic Colleges in Debre Birhan, Gondar, Nekemte, Arba Minch, Kombolcha and Dire Dawa • Preparation of equipment, workshop and installation layouts (incl. mapping of facilities, taking into account existing school development plans) • Provision of inputs to all documents required for loan processing (procurement plans, cost estimates, etc.)
30/10/2017-04/11/2017	**Organization:** bbw Group Oana Steopan, oana.steopan@bbw.de **Position:** International Short-Term CNC Consultant	Slovakia	**Project Title:** Erasmus+ work-based learning project in cooperation with Schaeffler Co. Ltd. Kysuce/Slovakia **Description of key responsibilities:** • Realization of Training Needs Analysis (TNA) for Schaeffler in-house CNC trainers (Schaeffler Training Academy) • Organization and facilitation of a 1-week CNC induction training at the newly established CNC Schaeffler Training Centre
01/05/2017-27/10/2017	**Position:** Freelance consultant Self-employed	Germany	**Description of key responsibilities:** • Development of a concept and training documents for teacher training in the field of CNC technology according to German IHK standard: Job description, set-up sheet, drawings, NC programming sheet, inspection sheet, tool data sheet • Development of a guideline for organizing and implementing successful workshops and seminars • Elaboration of a concept and recommendations for an effective development of teaching/training capacities • Identification of additional capacity building measures • Design an appropriate training programme on operation, maintenance and repair of the equipment
01/01/2017-30/04/2017	**Position:** Business Consultant Self-employed	Thailand	**Description of key responsibilities:** • Provision of support for family-owned holiday resort in Chiangwhea/Udon Thani • Re-wiring of the electrical supply with regard to international safety standards • Installation of a pressure pump-driven water supply system
05/12/2016-23/12/2016	**Organization:** Bfz	China	**Description of key responsibilities:**

	Dr. Tido Janssen, t.janssen@sbvtc.com **Position:** International STE: TVET		• Organization and facilitation of a 3-week CNC training course (turning and milling) for 23 students in preparation for AHK (German Chamber of Foreign Commerce) examination • Preparation of training and exam documents for trainers and students • *In cooperation with Shanghai Bavarian Vocational Training Consulting SBVTC
18/06/2016- 17/07/2016	**Organization:** GIZ InS Chariklia Antonoglou, litza.antonoglou@giz.de **Position:** International STE: TVET	India	**Project Title:** GIZ-IS: "Karnataka German Multi Skill Development Centers" **Description of key responsibilities:** • Review of the existing draft curricula of manufacturing related courses (Tool & Die Making, CNC Manufacturing, Manufacturing Technology) • Provision of suggestions of improvements as per international standards with regard to Competency-Based Training (CBT) • Development of 2 CBT curricula for CNC turning and CNC milling in cooperation with KGTTI trainers • Elaboration of Training Needs Analysis (TNA) among KGMSDC trainers at Karnataka German Technical Training Institute KGTTI Bangalore, KGTTI Hubli, KGTTI Belgaum, KGTTI Mangalore and KGTTI Gulbarga • Organization and facilitation of a 1-week "Training of Trainers (ToT)" workshop for KGTTI trainers based on TNA findings • Introduction of a trainee assessment and evaluation system • Elaboration of a concept and recommendations for teaching/training capacities • Identification of additional capacity building measures
15/01/2015- 30/06/2016 (165 days)	**Organization:** Mott MacDonald/Cambridge Education Jurgita Volkute, jurgita.volkute@camb-ed.com **Position:** Senior Short-Term Expert in Skills Development	India	**Project Title:** EU: "India-EU Skills Development Project" **Description of key responsibilities:** • Conducted labour-market analysis through questionnaires, company visits and structured interviews with employers. • Conducted Training Needs Analyses for trainers and assessors at seven TVET institutions across India. • Assessed practical and theoretical competencies of teaching staff against curriculum and occupational requirements. • Reviewed National Occupational Standards and Qualification Packs for selected industrial occupations. • Developed competency-based curricula aligned with occupational standards and industry requirements. • Developed training programmes for trainers and assessors and trained approximately 120 trainers/master trainers.
01/03/2012- 30/06/2014	**Position:** Business Consultant	Thailand	**Description of key responsibilities:** • Development of business plans and construction layouts for a family-owned holiday resort near Udon Thani and a guesthouse with restaurant, library and convention center in Chiang Khan/Mekong Region
03/06/2012- 23/06/2012	**Organization:** IP Consult Wolfgang Haag, haag@ip-consult.de **Position:** International STE: TVET	Vietnam	**Description of key responsibilities:** • Fact-finding mission at the Polytechnical College Hai Phong • Preparation of a project implementation concept for the metal training sector
27/11/2011- 10/12/2011	**Organization:** PEM Consult Marita Muenks marita.muenks@pem-consult.de	Albania	**Project Title:** GIZ: "Vocational Education in North Eastern Albania" **Description of key responsibilities:** • Establishment of a workshop management system in five different project schools in Peshkopi, Kukes and Shkoder (textile, metalworking, electrical engineering, wood processing

	International STE: TVET		and office administration)
06/11/2011-26/11/2011	**Organization:** IP Consult Wolfgang Haag, haag@ip-consult.de **Position:** International STE: TVET	Kosovo	**Project Title:** GIZ: "Promotion of Centres of Competence in the Context of a Vocational Education and Training Reform in Kosovo" **Description of key responsibilities:** • Review of the service portfolio in the area of metal working (including welding technology) at the 2 vocational training schools MSS Sthjefen Gjecovi, Pristina and TSS Gani Qavderbasha, Prizren • Development of proposals for the further market-oriented development of the portfolio • Review the National Qualification Framework in the field of metalworking in comparison with European standards
01/05/2011-30/08/2011	**Organization:** Sequa Annette von Blanckenburg, annette.blanckenburg@sequa.de **Position:** International STE: TVET	United Arab Emirates	**Description of key responsibilities:** • Elaboration of a project survey at the "ADVETI Al Ain and Al Gharbia Vocational Education and Training Institutes" in the fields of didactics, teaching methods, teaching and learning materials, training programs, industrial placements, technical equipment, job opportunities, assessment criteria, administration and marketing • Preparation of a "Lessons Learned" report
11/04/2010-26/04/2010	**Organization:** GTZ InS **Position:** International STE: TVET	Vietnam	**Project Title:** GTZ InS: "Technical and Vocational Education and Training Bac Kan" **Description of key responsibilities:** • Preparation of equipment specifications for tendering: machine tools and accessories; workshop furniture and equipment
01/09/2009-28/02/2010	**Organization:** MCE Industrietechnik Austrian Development Agency **Position:** Project Coordinator	Vietnam	**Description of key responsibilities:** • Coordinating the work of 7 international and 3 local staff • Responsible for coordinating, direction, training and capacity building of team members • New procurement: supply, installation and commissioning of workshop and laboratory equipment for 7 vocational training schools of the Ministry of Defence in Hanoi, Hai Phong, Thai Nguyen, Bien Hoa and Vinh Long • Review the status quo of curriculum development related to the occupations and teaching professions • Supervision the development of curricula in the fields of mechanical engineering, electrical engineering and electronics, welding, air conditioning and refrigeration and motor vehicle technology
29/05/2007-30/04/2009	**Organization:** CIM **Position:** Technical Adviser and Trainer	Egypt	**Description of key responsibilities:** • Provision of advice for the management of the Ministry of Trade and Industry, the Productivity and Vocational Training Department (PVTD) and Staff Training Institute (STI), and 5 vocational training institutes in Cairo, Alexandria and Asyut • Coordination and capacity development of STI team members through training, coaching, and direction • Coordination the cooperation with Japan International Cooperation System (JICS), ROMI Machine Tools S.A./Brazil and GOODWAY Technologies/Egypt • Organization and implementing basic and advanced training courses for the teaching staff of STI and participants from other educational institutes and industrial enterprises in the field of CNC technology • Planning of technical and educational equipment; preparing equipment specifications for tendering; planning CNC machining workshops and CNC laboratories and preparing

			layouts • Development of curricula and training documents for instructors and participants • Maintenance management • Drafting a manual about the organization and implementation of competency-based training courses at PVTD training institutions
25/10/2006-30/11/2006	**Organization:** GTZ Dr. Horst Sommer, horst.sommer@giz.de **Position:** International STE: TVET	Vietnam	**Project Title:** GTZ: "Promotion of Technical and Vocational Education and Training (TVET) **Description of key responsibilities:** • Analysis of the training needs at 5 TVET institutions (CNC turning, CNC milling) • Introduction a competency-based curriculum for CNC turning and CNC milling • Drafting a lesson plan and preparing course materials • Organization of a 2-week training course for 20 participants
04/09/2006-29/09/2006	**Organization:** GOPA Greta von Zehmen, greta.vonzehmen@gopa.de **Position:** International STE: TVET	China	**Project Title:** GTZ: "VQEP-Vocational Qualification and Employment Promotion in the Western Regions of China", Xi'an, Shaanxi Province **Description of key responsibilities:** • Analysis of the training needs on both the demand side (industrial enterprises) and supply side (vocational training institute) in the field of CNC turning • Development of a competency-based curriculum for CNC turning • Development of a training session plan based on the curriculum • Development of training materials (handouts, slides, etc.) • Definition of requirements for the implementation of further training, taking into account linkages to the industry
01/2006 – 10/2006	**Organization:** STELLA Keramik GmbH, Schwarzen-bach/ Saale	Germany	Production of precision grinding wheels for the metalworking industry; • Supporting the company's regular and new customers in Germany and abroad; • Organising in-house grinding tests; • Organizing grinding tests at customers` sites; • Documentation of grinding test results; • Providing technical support to the company's field sales force; • Process and applications engineering.
01/10/2001-30/09/2005	**Organization:** CIM Heike Sondermann, heike.sondermann@giz.de **Position:** Technical Adviser CAD/CAM-CNC and Quality Management to University of Technical Education Hung Yen	Vietnam	**Project Title:** GTZ: "Vocational Education Programme Vietnam"; contracted by CIM **Description of key responsibilities:** • Planning the measuring and testing lab, preparing the layouts and equipment specifications for tendering • Organization and implementing training courses for teachers of the CAD/CAM-CNC Technology Centre, participants from other educational institutions and industrial companies • Handling new procurement (supply, training, maintenance) • Coordinating the implementation of a maintenance management system in cooperation with the Thai-German Institute Chonburi/Thailand, DMG Singapore and Fraunhofer IFF Magdeburg • Compiling teaching documents and drafting a glossary in Vietnamese-German-English in the fields of testing and measuring, CAD/CAM-CNC and maintenance management

			• Participation in a field study about the exemplary development and implementation of a maintenance management system in 50 vocational training schools in Vietnam • Coordination of the PPP project "Web-based Training Life Cycle Plant Management" in cooperation with InWEnt GmbH, Fraunhofer IFF Magdeburg, Thai-German Institute Chonburi/Thailand (TGI Chonburi) and Vocational Education Development Center Malang/ Indonesia (VEDC Malang) • Coordination of the PPP project "Education and training of vocational teachers and the development of country-specific teaching and learning materials for CAD/CAM and CNC" in cooperation with MTS GmbH/Berlin and the University of Technical Education HCMC
01/04/1997-30/09/2001	**Organization:** German Development Service (DED) Elke Striewe, elke.striewe@giz.de **Position:** Technical Adviser	Vietnam	**Project Title:** GTZ: „Vocational Education Programme Vietnam" **Description of key responsibilities:** • Coordination of the setting-up of the in 1997/1998 newly built Technology Centre for the training of teaching staff, engineers and skilled workers • Installation and starting-up of equipment • Development of the conceptual design for the implementation of vocational training courses and advanced training measures in the field of CNC technology at the Technical Teachers Training College No. 1 Hung Yen/SR Vietnam • Coordination and provision of capacity building for CNC department team members • Compilation of teaching documents in Vietnamese language for basic training metal working; conventional machining, manufacturing technology, measuring and testing and CNC technology • Planning the CNC workshop and the CNC programming laboratory and preparing equipment specifications for tendering
01/09/1992-31/03/1997	**Organization:** Schleifscheibenfabrik Alfons Schmeier GmbH & Co.KG **Position:** Head of Finishing and Dressing Department	Germany	**Description of key responsibilities:** • Management of the department • Production of precision grinding wheels for the metalworking industry • Optimizing production sequences; process and applications engineering
01/01/1990-30/06/1992	**Organization:** DED **Position:** Technical Adviser to German Development Service (DED)	Thailand	**Project Title:** Development cooperation with the Maintenance and Supply Division (MSD) and the Technical College Minburi under supervision of the Department of Vocational Education (DoVE) **Description of key responsibilities:** • Drafting technical drawings according to international standards for the production of spare parts for machine tools • Provision of advice of the MSD staff in the field of repairing and maintaining machine tools • Provision of advice for the teaching staff of Technical College Minburi on improving the teaching environment and on implementing new curricula for metal working and mechanical engineering within the project Dual Vocational Training Thailand (supported and managed by GTZ)
01/07/1989-31/12/1989	**Organization:**	Germany	**Description of key responsibilities:** • Production of precision grinding wheels for the metalworking industry

	Schleifscheibenfabrik Alfons Schmeier GmbH & Co.KG **Position:** Assistant to the Technical Director		• Process and applications engineering
01/09/1988-31/05/1989	**Organization:** Paul Kiefel GmbH **Position:** Applications Engineer	Germany	**Description of key responsibilities:** • Production of thermoforming machines • In-house quality inspections of new thermoforming machines • Commissioning of machines at customers' sites in Germany and abroad (Austria, France) • Applications engineering
01/03/1981-15/09/1986	**Organization:** EMU Unterwasserpumpen GmbH **Position:** Setter and Operator	Germany	**Description of key responsibilities:** • Production of water pumps • Setting up and operating NC and CNC engine lathes for the production of water pump parts • Operating boring, milling and grinding machines • Quality assurance

Membership in Professional Associations and Publications: UNEVOC, Development Aid, Association for Talent Development (ATD), Canadian Vocational Association (CVA)

Language skills (indicate only languages in which you can work) on a scale of 1 to 5 (1 – basic; 5 – excellent):

Language	Reading	Speaking	Writing
German	Mother tongue		
French	3	2	2
English	5	5	5
Vietnamese	4	4	4

Other skills

- Extensive international experience in **TVET modernization** across Europe, Asia and Africa.
- Extensive experience in **planning workshops, laboratories and Centres of Competence** for vocational education institutions.
- Preparation of **technical specifications, Bills of Quantities, equipment lists, procurement plans and cost estimates for donor-funded TVET projects.**
- Comprehensive knowledge of KfW, ADB, EU and GIZ procurement procedures for workshop and laboratory equipment.
- Experience in **workshop layouts, utility planning, installation concepts and commissioning of training equipment.**
- Strong background in procurement, bid evaluation and quality assurance for TVET equipment projects.
- **Curriculum development, occupational standards, competency-based training (CBT), Training Needs Analysis (TNA) and teacher training.**
- Integration of **sustainable technologies, digital manufacturing and Industry 4.0 concepts** into TVET equipment planning and training environments.
- Development and application of the **TVET Equipment Planning System (TEPS)** for integrated equipment needs assessment, technical specification, supplier/market benchmarking, cost planning, RFQ management and procurement preparation.