

CURRICULUM VITAE

Proposed Position:

1. Family name: **BLASCHKE**
2. First name(s): **Peter Wolfgang**
3. Date of birth: 17/11/1965
4. Nationality: Austrian
5. Civil status: Allied
6. Education:



Institution	University of Natural Resources and Life Sciences, Vienna, Austria	
Date	02/85 - 06/89	09/87 - 11/94
Degrees obtained	Bachelor of Science	Master of Science
	in Water Management and Environmental Engineering	

7. Language skills (1 - excellent; 5 - basic):

Language	Reading	Speaking	Writing
German	mother tongue		
English	1	1	1
French	3	4	5
BCS	3	4	5
Russian	4	5	5
Albanian	3	5	5

8. Membership of professional bodies: Chamber of Commerce, Austria

9. Other skills: in depth knowledge of:

- MS® Word, Excel, Outlook, Power Point, Project, Visio
- ACAD (latest release), Civil3D, CESMM3

Basic knowledge of:

- MS® Access, GIS applications, processing of land survey data gained from aerial land survey by drones
- Several water supply and waste water hydraulic computer modelling programs; several calculation and administration programs for construction works' implementation and supervision

10. Present position: Project Manager/ Team Leader

11. Key Qualifications:

- ~35 years (as of BSc) of professional experience, of which more than 30 years in CEE countries, the Balkans, Caucasus region, Central Asia and Africa in the water supply & sanitation and waste sector
- Extensive experience in Team Leading and Project Management in the infrastructure and environmental sector
- Participation in a large number of procurement and tendering procedures following e.g. EC, WB, EBRD guidelines
- Highly experienced in developing of Master Plans, Feasibility Studies, Detailed Designs, Tender Documents, Procurement and Supervision of Service, Supply and Works Contracts in the infrastructure sector
- Considerable experience as Evaluator/ Observer for Service, Works and Supply tenders (total approx. 45)
- In depth knowledge of entire procurement circle (acc. to e.g. ADB, EC-PRAG, EBRD, KfW, WB) for Services, Works and Supply incl. active participation in related Contract negotiations
- Impressive experience with International Finance Institutes (ADA, ADB, EBRD, EC, EIB, KfW, SECO, WB) procedures and their project cycle management and budget support programmes
- Support to Contracting Authorities
- Management experience in institutional capacity building projects
- In depth knowledge of FIDIC (Red, Yellow, Harmonised) and other international Conditions of Contracts for Works and Supply in the infrastructure sector, mostly for water supply and wastewater projects

12. Country Experience:

Country	Date
Albania	11/ 98; 01/ 99; 01/ 00; 03 – 04/ 00; 06/ 00; 09–12/ 00; 01–12/ 01; 02/ 02; 06–08/ 02; 02–04/ 03; 07/ 03; 01/ 08 – 11/ 13; 05/ 15 – 02/ 16
Austria	02/ 1995 – 12/ 1997
Belarus	05 – 12/ 2010
Bosnia and Herzegovina	07 – 10/ 1998; 12/ 1998; 04 – 10/ 1999; 12/ 1999; 02/ 2000; 05/ 2000; 08/ 2000
Bulgaria	12/ 2002; 01/ 2003; 05/ 2003; 09/ 2003 – 12/ 2007
Croatia	05/ 2015 - 10/ 2016
Estonia	03 – 05/ 2002
Georgia	02/ 2010 – 07/ 2013; 01/ 2016 – 11/ 2017
Hungary	11/ 2002; 06/ 2003
Jordan	07/ 2010 – 01/ 2011
Kazakhstan	03/ 2017 – 02/ 2019
Kyrgyzstan	01/ 2014 – 04/ 2015
Latvia	07/ 2003
Malawi	08/ 2018 – 10/ 2022
Montenegro	05/2015 – 01/ 2016; 10/ 2022 – 05/2025
Romania	09 – 10/ 2002
Russian Federation	10/ 2011 – 08/2012
Serbia/ Kosovo	11/ 1999; 10/ 2009 – 10/ 2010
Ukraine	11/ 2008 – 02/ 2010; 06/ 2018 – 11/ 2018

13. Professional Experience:

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
22/10/22 – 15/05/25	Montenegro	300+	COWI hegh@cowi.com (Ms Helle Quist Hoffmann)	Team Leader	<p>EC/ IPA II: Support to Project Preparation for Environment and Climate Change Sector, Montenegro: the main focus of this technical assistance ("Project Preparation Facility Environment" - PPF) is dedicated to the development of project documentation and tender dossiers in order to ensure projects are of an appropriate maturity to receive funding. This documentation includes pre-feasibility studies, conceptual designs, feasibility studies with cost-benefit analysis, environmental impact assessments, final design, as well as preparation of tender documents in the Water Supply-, Wastewater-, Waste- and Natural Protection Sector. All project documentation that will be developed should be in accordance with rules set in IPA Implementing Regulation, PRAG or FIDIC and according to the national Law on Planning and Construction.</p> <p>Selected Sub-Projects (total 33) implemented:</p> <ul style="list-style-type: none"> ➤ WS Sub-Projects: preparation of DD and TD (Works and Supervision) for Pljevlja (~ 22,000 inhabitants) and Kolasin (~ 6,000 inhabitants); TD for Cetinje (~ 15,000 inhabitants); Inventory of Investment Needs in the WS Sector in all main Municipalities in Montenegro: 23 Pre-Feasibility Studies, Water Supply System Descriptions, CBAs, Analyses of 22 Hydraulic Models and GIS of 23 WSSs ➤ WWTP/ WW Collection Sub-Projects: preparation of CD and TD for Bijelo Polje (20,000 PE), Rožaje (20,000 PE), Cetinje (15,000 PE), Mojkovac (reconstruction; 5,250 PE) ➤ Combined WS & WW Sub-Projects: preparation of DD (WS), CD (WWTP, WW) and TD (Works and Supervision) for Plav & Gusinje (~ 20,000 inhabitants, PE), Kolasin (~ 6,000 inhabitants, 4,000 PE) and Bijelo Polje (~ 35,000 inhabitants) ➤ SW Sub-Projects: Solid Waste Landfill Mozura: FS Landfill Extension, Preliminary Design Landfill Extension, Updated FS Waste Composting Facility and Conceptual Design Waste Composting Facility ➤ Nature Sub-Projects: Rehabilitation of Biogradska Lake (incl. hydrometric, geological, geophysical, geoelectrical surveys; tracer tests); Coastal Zone Protection of Ada Bojana (incl. satellite images (interferometric data processing), sediment sampling, grain size analyses, topobathymetric and drone surveys); Salina Ulcinj (Structural Surveys, CD for ~ 31.0 km of dykes incl. related infrastructure, e.g. pumping stations, incl. photovoltaic e-supply therefor, DD for ~ 7.5 km of dykes); Flood Protection on the Bojana River, Strategic Environmental Assessment for the National Waste Management Plan of Montenegro <p>Tasks/ Activities/ Deliverables: Feasibility Studies, Designs, EIAs, Tender Documentation for Works and Services acc. to PRAG and FIDIC Red and Yellow</p>
18/04/22 – 23/02/23	Ukraine	44	CES a.helbl@ic-ces.at (Mr Andreas Helbl)	Waste Expert	<p>Private Financing: Master Plan for the City of Trostianets</p> <p>A Master Plan (MP) for the City of Trostianets/ Sumy Oblast on the North-eastern part of Ukraine is to be elaborated. The MP covers all areas of infrastructure (WS/ WW/ SW/ other infrastructural City Planning) as well as social and environmental issues. The focus is laid on energy efficient technology.</p> <p>Tasks/ Activities/ Deliverables: Input to City Masterplan for the entire Waste Sector</p>
02/03/22 – 10/10/22	Malawi	70	Commonage/ Ntchisi Forest Lodge t.bellack@roesterei-vier.de (Mr Tim Bellack)	Water Supply Expert/ Construction Supervisor/ Ranger	<p>Private Financing: Water Supply Ntchisi Forest Lodge</p> <p>Design and Construction Supervision of a rural water supply system and of a single storey building; General physical technical maintenance of infrastructure</p> <p>Tasks/ Activities/ Deliverables: Design and Construction Supervision</p>
22/08/18 – 01/03/22	Malawi	> 650	Lilongwe Water Board/ WB/ Posch & Partner schwaiger@pap.co.at (Mr Fritz Schwaiger)	Team Leader/ Procurement Expert/ Chief	<p>WB: Water Distribution Network Rehabilitation and Expansion in Lilongwe City</p> <p>The objective of this consultancy is to prepare detailed engineering designs and tender documents for water distribution pipelines and associated facilities and to supervise construction of the Works</p>

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
				Resident (FIDIC) Engineer	acc. to FIDIC Harmonised Edition 2010 (2 Works Contracts) and FIDIC Red Book 2017 (one Works Contract) The project comprises replacement of approx. 440 km of distribution pipelines (HDPE, PVC, DI: OD 63 - DN 800); establishment of pressure and leakage control system (involving installation of approx. 170 pressure reducing valves and flow meters), 2 ground tanks, 2 tower tanks, 10 pumping stations (partly to be supplied by solar power); approx. 14,700 new household connections and 60 communal water points Total costs of the project amount to ~ 55.0 MEUR Tasks/ Activities/ Deliverables: Detailed Design, Tender Documentation, Procurement Support, Construction Supervision
04/06/18 – 02/11/18	Ukraine	30	Mykolayiv Vodokanal/ EIB/ Posch & Partner schwaiger@pap.co.at	Project Manager, Procurement Expert	EIB: Procurement and Implementation Support for the Mykolayiv Vodokanal Project in Ukraine The project comprises Project Management Support to PIU, Construction Supervision and Procurement Supervision and monitoring of grant and loan expenditures Total costs of the project amount to ~ 4.0 MEUR Tasks/ Activities/ Deliverables: Contract and Financial Management, Preparation of a Supply Tender for CCTV equipment, Construction Supervision for Rehabilitation of Gravity Sewers
02/03/17 – 18/02/19	Kazakhstan	148	Semey Waterworks/ EBRD/ Posch & Partner schwaiger@pap.co.at	Team Leader, Procurement Expert	EBRD: Semey Water Project - PIU Support The Project supports priority investments in rehabilitation and modernisation of the water supply (WS) and wastewater (WW) systems (51.1 km up to DN 820 of the WSS were also implemented; for WW component only Tender Documents were prepared) of the Company, resulting in enhanced energy efficiency and reduction in water consumption and water losses in the system for approx. 320,000 inh. Total costs of the project amount to ~ 8.5 MEUR Tasks/ Activities/ Deliverables: Tender Documentation for Works (WS distribution pipelines; WW sewer, WWPS; FIDIC Red 1999), Supply (WS & WW pumps, chlorination units, maintenance vehicles, leak detection equipment, WW laboratory equipment) and Services (installation of a hydraulic modelling, GIS and SCADA system), Procurement Support
11/01/16 – 07/03/17	Georgia	56	Municipality of Batumi/ KfW/ igr AG i.tugushi@batumi.ge (Mr Jaba Tugushi)	Team Leader	KfW: Feasibility Study on Water Supply and Sanitation Systems in Semi-Urban and Rural Communities in Ajara (total population: ~ 220,000) The project comprises: <ul style="list-style-type: none"> ➤ Elaboration of basic data for the existing WS & WW infrastructure ➤ Analysis of the legal framework and development of an institutional concept for establishment of the Ajara Water Alliance ➤ Elaboration of a locally adapted technical concept to improve the existing centralized and decentralized physical infrastructure which takes into account ecological, climate related and social aspects, amongst also by implementation of Pilot Projects ➤ Development of an economic concept ➤ Assessment of capacity building needs and awareness rising activities Tasks/ Activities/ Deliverables: Feasibility Study (incl. prioritised measures), covering institutional, social, financial, technical, environmental aspects
11/01/16 – 07/11/17	Georgia	548	Municipality of Batumi/ KfW/ igr AG i.tugushi@batumi.ge	Team Leader/ Chief Resident Engineer (FIDIC Red Book 1999) Procurement Expert	KfW: Rehabilitation of Municipal Infrastructure - Batumi – Phase IV The overall programme objectives comprise the improvement of water supply & sanitation in Batumi and surrounding villages (total population: ~ 250,000), the reduction of NRW, to provide safe collection of sewerage, to provide safe disposal of sewerage, to improve Black Sea bathing water quality, to reduce poverty and improve living quality. The project comprises of two components:

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
					<p>a) Supervision of construction works for water supply and sewerage networks, which have been already designed and tendered in the frame of Phase III</p> <p>b) Preparatory Study, conceptual and final design, tendering and supervision for further rehabilitation of water supply and sewerage networks in Batumi and surrounding villages</p> <p>Total costs of the project amount to ~ 13.9 MEUR (Supervision), ~ 85.5 MEUR (Preparatory Study), ~ 18.8 MEUR (Detailed Design, Tender Documentation)</p> <p>Tasks/ Activities/ Deliverables: Construction Supervision, Preparatory Study, Detailed Design, Tender Documentation for Works (WS distribution pipelines; WW sewers)</p>
06/09/15 – 08/02/16	Albania	22	Albanian Ministry of Public Works and Transport/ KfW/ igr AG jovan.gjika@gmail.com (Mr Jovan Gjika)	Project Manager	<p>KfW: Identification of Needs for an Update for the Water Supply and Sewerage Master Plan for Albania</p> <p>KfW financed the elaboration of the Water Supply and Sewerage Master Plan for Albania in 2011/2012. By its nature a Master Plan (MP) is in need of updating in order to make utmost use of the MP as planning tool. Mainly due to a Territorial Administrative Reform, implemented in Albania in 2015, new sector investments, updated benchmarking data for the Water Utilities (WU) and examination of water supply and sewerage assets within the areas outside the jurisdiction of the WUs the needs of an update were to be identified. In addition, GIS training was to be provided.</p> <p>Tasks/ Activities/ Deliverables: Updated Master Plan</p>
15/05/15 – 11/01/16	Montenegro	43	Private Investor/ igr AG Anonymous (---); reference can be provided on demand	Senior Water Supply, Wastewater, Waste and Irrigation Expert	<p>Private Investor: Lustica Bay – Update of the Master Plan for Infrastructure, Period 1</p> <p>igr AG prepared a master plan for the infrastructural development of Lustica Bay with the emphasis placed on security of supply and disposal with optimized development cost, considering insecure electric power supply, heavy seasonal fluctuations of potable water and sewage quantities, recyclability of the purified sewage for irrigation and option for a modular expansion of the system.</p> <p>Characteristics: approx. 28,300 m waste water sewers; approx. 3,550 m irrigation lines; approx. 36,000 m potable water lines; up to 5 waste water treatment plants; pump stations (potable water and waste water); 4 potable water reservoirs; central transfer stations for 2 marinas.</p> <p>Due to changed framework conditions, igr is commissioned to prepare an update of the master plan.</p> <p>Tasks: (i) update of water supply concept, (ii) feasibility study for alternative wastewater disposal solution, (iii) update of power supply concept, (iv) waste management concept, (v) update of cost estimation</p>
02/01/14 – 30/04/15	Kyrgyzstan	459	ISDP Project Management Office within the Kyrgyz Ministry of Finance/ ADA/ eptisa pederregersbisbjerg@hotmail.com (Mr Peder Bisbjerg)	Team Leader Procurement Expert	<p>ADB: Issyk-Kul Sustainable Development Project (ISDP Phase II) – Feasibility Study and Design Consultancy (FSDC)</p> <p>The Issyk-Kul Sustainable Development Project (ISDP Phase II) is the second phase in a longer-term initiative by the Asian Development Bank (ADB) to support environmental management and to improve urban service delivery in the Issyk-Kul Oblast. The Project covered the cities of Balykchy (45,000 p.e.), Cholpon Ata (12,000 p.e.) and Karakol (70,000 p.e.). In continuation of the immediate outputs in the first phase, there was a need in Phase II to prepare feasibility studies incl. environmental impact assessments, and following this, detailed designs and tender documentation for up to three Landfills, three WWTPs (incl. sludge treatment, namely in Balykchy Sludge Drying Beds, in Cholpon Ata Solar Drying and in Karakol Solidification) and one sewerage network (Cholpon Ata). Approx. total value of Works: 54.0 MEUR; Approx. service value: 1,400,000 EUR</p> <p>Tasks: Feasibility Studies, Detailed Design & Tender Documentation</p>
11/09/12 – 10/10/13	Albania	394	Water Works Shkodra/ KfW, ADA, SECO/ JV Stucky-Dornier-Schneider Consult	Team Leader, Resident Engineer (FIDIC Red Book 1999)	<p>KfW: Water Supply and Environmental Protection Lake Shkodra</p> <p>The project aimed to ensure a sustainable, ecologically and hygienically safe water supply and wastewater collection in the city of Shkodra. This was to contribute to the environmental protection of the lake, conservation of the natural resources, reduction of the health risks of the city of Shkodra's</p>

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			Frank.Ehrlicher@srp-consult.de (Mr Frank Ehrlicher)		population (100,000 inhabitants) and its visitors. Services included: i) Construction Supervision of Works for the Water Supply and Wastewater System Shkodra (rehabilitation works and new construction; "Water and Sewerage Shkodra"); ii) Construction Supervision of Works for the Wastewater System Shiroke (new construction of sewer network and WWTP incl. sludge drying beds; "Sewerage and WWTP Shiroke"; 2,000 p.e.); iii) Construction Supervision of Installation Works of total approx. 15,500 Water Meter ("Installation of Water Meters"); all Works Contracts are based on FIDIC Red Book. Approx. total value of Works: 23.0 MEUR; Approx. service value: 875,000 EUR <u>Tasks:</u> Construction Supervision for Water Supply, Wastewater and WWTP
15/08/12 - 20/03/17	numerous	75	Associated member of igr AG www.igr.de (Mr Hubert Bruch)	Head of International Department (ceased to exist)	Acquisition in the Water/ Wastewater Sector (mainly) in Balkan, Caucasus Area and Central Asia Preparation of ~ 25 Eol and approx. 10 Service Tenders (Technical and Financial Proposals) Clients: numerous IFIs such as WB, EIB, EBRD, EC-D, KfW, ADC, ADB <u>Tasks:</u> review of Terms of Reference, Feasibility Studies and other strategic documents; Technical and Financial Proposal preparation; Composing and writing of Technical Proposals and calculation of Financial Proposals
11/05/98 – 31/08/03 and 01/01/08 – 30/08/12	numerous	>100 and 160	iC consulenten p.woetzing@ic-group.org (Mr Peter Wötzing)	Procurement Expert	Acquisition in the Water/ Wastewater Sector (mainly) in Balkan and Caucasus Area Preparation of ~ 135 Eol and approx. 40 Service Tenders (Technical and Financial Proposals) Clients: numerous IFIs such as WB, EIB, EBRD, EC-D, KfW, ADC, ADB <u>Tasks:</u> review of ToR, Feasibility Studies and other strategic documents; Technical and Financial Proposal preparation; Composing and writing of Technical Proposals and calculation of Financial Proposals
02/07/11 – 04/08/12	Russia	38	Water Works Lipetsk/ EBRD/ iC consulenten p.woetzing@ic-group.org	Procurement Expert	EBRD: Lipetsk Waste Water Treatment Plant Design, Procurement and Contract Supervision (of two FIDIC Red Books) for the rehabilitation of the Plant (250,000 m³/d; sludge drying beds) for the town and environment of Lipetsk (500,000 inhabitants). Approx. service value: 535,000 EUR <u>Tasks:</u> Conceptual Design, Detailed Design, Project Controlling, Site Supervision, Technical Consultancy, Tendering, Tendering Consultancy
07/03/11 – 26/09/12	Albania	345	Albanian Ministry of Public Works and Transport/ KfW/ iC p.woetzing@ic-group.org	Project Manager, Team Leader Water Supply	KfW: Water Supply and Sewerage Master Plan for Albania The objectives of the study are related to the national sector objectives, namely to contribute to a sufficient provision of drinking water for the Albanian citizens (approx. 3.0 million) and the industry of the country and to protect the environment by proper wastewater collection and treatment, incl. sludge management. Secondary objective is the preparation of the EU accession process (in particular in meeting environmental standards). A main objective is also the development of a Prioritisation System in order to rank all identified Investment Projects in the Water and Wastewater Sector acc. to depoliticised needs. Technical, socio-economic, geo-hydraulic, environmental and financial/economic criteria are to be considered in line with the Water Policy, Strategy, Legal and Institutional Framework in Albania. Approx. service value: 2.0 MEUR <u>Tasks:</u> Preparation of Master Plan water supply/wastewater for entire territory of the Republic of Albania
21/02/10 - 18/04/13	Georgia	444	Municipality of Rustavi/ EBRD/ iC p.woetzing@ic-group.org	Project Manager, Team Leader, Procurement Expert, Tender Evaluator, Contract Expert,	EBRD: Rustavi Solid Waste - PIU Support In order to improve the environmental situation in Rustavi and surroundings, the Project included the following components: ➤ Review and update of existing documentation in regards to requirements of EC Directives ➤ Design, Tender Documentation, Procurement Support and Construction Supervision (FIDIC Red) of a new landfill and all compulsory infrastructure constructions ➤ Purchasing all necessary operational equipment

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
				The Engineer (FIDIC Red Book)	<ul style="list-style-type: none"> ➤ Rationalisation of waste services through designation of the landfill as the single landfill for waste disposal for Rustavi and Gardabani (total 140,000 inhabitants) ➤ Institutional strengthening/ capacity building of the waste monitoring and enforcement section of the municipal department of environment <u>Tasks:</u> Detailed design, procurement support (amongst: Tender evaluator for 1 Works and 2 Supply tenders), supervision (FIDIC Red), institutional strengthening
17/12/10 - 02/02/11	Albania	12	Eden - Environment - Centre for Development, Education & Networking/ iC p.woetzinger@ic-group.org	Project Manager, Trainer in Procurement	<i>AL Funds: Training in Programme and Tender Evaluation</i> The assignment can be shortly described as provision of training (in form of presentation, role plays and practicing evaluation of concrete examples) in how to 'Becoming an Evaluator'. <u>Tasks:</u> Training & Capacity Building; Procurement
07/06/10 - 06/12/10	Jordan	42	European Commission/ iC p.woetzinger@ic-group.org	Project Manager, Contract and Procurement Expert, Tender Evaluator	<i>EC: Technical Assistance to EC-D for Zarqa Water Project</i> Technical Assistance Water Supply, Procurement (independent evaluator as per EC PRAG) and Contracting Support for the Service Tender Water loss reduction in Zarqa: Managing Jordan's scarce water resources in areas of concentrations of Iraqis (ca 950,000 inhabitants) Approx. service value: 26,000 EUR <u>Tasks:</u> Institutional Strengthening, service tender evaluation (independent evaluator), procurement support, drafting of ToR for TA for project implementation
05/05/10 - 12/11/10	Belarus	72	Water Works Slonim and Baranovichi/ EBRD/ iC p.woetzinger@ic-group.org	Team Leader	<i>EBRD: Slonim and Baranovichi Biogas Sub-Projects – Feasibility Studies</i> The Sub-Projects would be the EBRD's first biogas investments in Belarus and are intended to finance biogas (generated from the WWTP via anaerobic digestion of WW sludge) combined heat and power improvements for Baranovichi (180.000 p.e.) and Slonim (65.000 p.e.) whilst reducing the operating costs and harmful discharges to the Schara and Neman Rivers, which are part of Baltic Sea catchment basin. <u>Tasks:</u> Feasibility Studies; incl. ESAPs and SEPs
01/11/09 – 17/02/11	Kosovo	66	World Bank/ iC p.woetzinger@ic-group.org	Team Leader	<i>WB: Technical Assistance and Training for Municipalities in Management of Publicly Owned Enterprises</i> Increasing the quality of municipal public services, ensuring consistency among the laws that make up the legal framework on municipal Publicly Owned Enterprises (POEs; in the sectors of district heating, waste collection, water supply and wastewater collection/ treatment), ensuring adequate monitoring of POEs' financial management and service delivery, building managerial capacity by provision of training for approx. 20 POEs in the disciplines of regulatory oversight, economic and financial restructuring for efficient service delivery and corporate governance and management of municipal POEs. Approx. service value: 100,000 EUR <u>Tasks:</u> Training, Institutional Strengthening
06/05/09 – 22/02/12	Albania	72	European Commission/ iC p.woetzinger@ic-group.org	Water Supply Expert, Procurement Expert, Contract Expert	<i>EC: Design and Supervision of Works for Reconstruction of Roads and Water Supply Distribution Network of the Village Marqinet 1 and Llanaj Neighbourhood</i> Design, preparation of works tender dossier and supervision of the main and internal roads of the village Marqinet 1 and Llanaj neighbourhood (total approx. 5,000 inhabitants) including water distribution system and sewerage system, following PRAG and EC Conditions of Contract. Approx. service value: 80,000 EUR <u>Tasks:</u> Procurement following PRAG

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03/06/08 - 29/09/10	Ukraine	243	Europolis Real Estate Asset Management GmbH/ EBRD/ iC p.woetzinger@ic-group.org	Team Leader, Procurement Expert, Tender Evaluator	Private Investor/ EBRD: Cargo Centre Kiev Super-supervision/Project Management of logistic centre "Cargo Centre Kiev"; investment volume approx. 220 MEUR. Approx. service value: 800,000 EUR <u>Tasks:</u> Project Management, Tendering/ Procurement Support (Tender Evaluator for a Works tender)
10/12/08 - 09/09/10	Albania	56	European Commission/ iC p.woetzinger@ic-group.org	Team Leader, The Engineer (EC CoC), Contract Expert	EC: Supervision of the Renovation Works at Regional Vocational Educational Training Centres (RVETC) in Albania Preparation of design and tender dossiers for works and equipment following PRAG contract conditions and Supervision of Works of total 4 RVETCs in Korca, Vlora and Elbasan; investment volume approx. 1.2 MEUR; Approx. service value: 200,000 EUR <u>Tasks:</u> Construction Supervision
01/01/08 – 10/04/09	Albania	189	General Directorate for Water Supply and Sewerage/ iC p.woetzinger@ic-group.org	Project Manager, Water Supply Expert	AL Funds: Feasibility Study for Water Supply in Durres and Kavaja Durres is the main port of Albania and the country's second largest city, with a present population of about 320,000 including the Communes. The Durres Water Works serves also the neighbouring Municipality of Kavaja with an estimated present population of about 60,000. Being a popular recreation area the population may during the summer holiday weekends increase by 100,000 to 150,000. The water supply till the target year of 2036 shall be observed in course of the Feasibility Study. Approx. service value: 235,000 EUR <u>Tasks:</u> Feasibility Study, Review of existing documents, Field Measurements, Preliminary Design, Hydraulic Calculations of WS Network
01/09/03 – 31/12/07	Bulgaria	1,487	European Commission Delegation Sofia/ Bulgarian Ministries of Environment and Water, of Regional Development and Public Works, of Finance ruud.van-enk@ec-europa.eu (Mr Ruud van Enk)	Project Manager/ Resident Technical Assistant (FIDIC Red and Yellow)/ Advisor/ Procurement Expert/ Independent Observer	EC <ul style="list-style-type: none"> ➤ Monitoring and steering to the Bulgarian ISPA (2000 - 2006) environment program in the sectors of water, wastewater, waste & air (total estimated investment volume approximately 380 MEUR) in the time period from 09-2003 till 12 2006 ➤ Monitoring and steering of PHARE projects in the area of internal market (among projects for public finance, public administration reform, agriculture), in the time period from 01-2007 till 12-2007 <p>The above two positions contained the responsibilities:</p> <ul style="list-style-type: none"> ➤ Administration and financial management of EU financial assistance projects (Bulgaria 2003 – 2007 et al) ➤ Support to EU Contracting Authorities (Bulgaria 2003 – 2007 et al), namely Ministry of Environment & Water, Ministry of Regional Development & Public Works and Ministry of Finance ➤ Know-how transfer to/ training of Bulgarian line ministries with focus on compliance with EU regulations, PRAG and technical state of art ➤ Assessing, reviewing, commenting and approving of approximately 8 feasibility studies, approx. 18 conceptual/ detailed designs and tender documents in the Water Supply/ Wastewater and Waste Sector (all for urban and surrounding rural areas) ➤ Regular site visits for supervision of the Works supervised by Resident Engineers ➤ Elaboration of approx. 25 Terms of References for Service Tenders ➤ Conception of ISPA Financing Memoranda for urban and rural areas in the water supply/ wastewater sector, incl. procurement strategies ➤ Active participating in service, works and supply tender evaluations: Independent Observer for approx. 15 tender evaluations following EC PRAG rules ➤ Assessing and approval of tender evaluation reports for service, works and supply ➤ All the above in assuring quality of technical content and compliance with EU regulations

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
					<p>Specific projects treated from 2003 till 2007 (only main Contracts listed; all acc. to PRAG):</p> <ol style="list-style-type: none"> 1. <i>Procurement and Management of five ISPA Environment Applications for funding by EC under structural funds in the water sector</i> (amongst for Sofia (~ 1,200,000 inh.), Rousse (~ 145,000 inh.) and Bourgas (~ 200,000 inh.) 2. <i>Procurement, Management and Works Supervision (FIDIC Red Book) for Construction of six Waste Disposal Sites in regional capitals in Bulgaria</i> 3. <i>Procurement, Management and Contract Supervision (FIDIC Yellow Book) for three Technical Assistance Contracts in 12 towns in Bulgaria, two Supervision Contracts for 9 towns in Bulgaria, amongst in Sevlievo (~ 35,000 inh.), Sliven (~ 120,000 inh.), Montana (~ 50,000 inh.), and two Supervision Contracts for 9 towns in Bulgaria</i> 4. <i>Procurement, Management and Works Supervision (FIDIC Yellow Book) for two Wastewater Treatment Plants Stara Zagora (~ 140,000 inh.), Dimitrovgrad (~ 50,000 inh.) and one Sewerage Network</i> 5. <i>Procurement and Management for</i> <ul style="list-style-type: none"> • <i>one Wastewater Collection and Treatment Works Contract for 6 towns in Bulgaria</i> • <i>two Technical Assistance Contracts for integrated water projects for 6 towns in Bulgaria</i> • <i>two Technical Assistance Contracts for waste related projects in one town respectively 18 existing dumpsites situated in five regions of Bulgaria</i> 6. <i>Institutional Strengthening for preparation and implementation of ISPA/ Cohesion and Structural Funds in the sector Environment</i>
2003	Albania	~ 60	European Commission/ iC p.woetzinger@ic-group.org	Project Manager, Wastewater Expert, The Resident Engineer (FIDIC Red Book)	<p>EC: Supervision of Lezhe Waste Water Emergency Works</p> <p>The works to be supervised concentrated on the improvement of main collector sewers, construction of new and rehabilitation of existing sewerage pumping stations and discharge points and by thus improvement of the environment in Lezhe and surroundings. The services comprise design review, assistance during procurement and supervision of civil, mechanical and electrical works acc. to FIDIC Red Book, in the town of Lezhe (ca 17,000 inh). Approx. service value: 220,000 EUR</p> <p>Tasks: Contractual Consulting (based on PRAG Conditions of Contract), Site Supervision, Site Supervision Mechanical and Electrical</p>
2003	Romania	~ 30	Central Finance and Contracts Unit (CFCU)/ iC p.woetzinger@ic-group.org	Wastewater Expert, Procurement Expert	<p>EC: Technical Assistance for the Management and Supervision of ISPA Contracts in Pascani –Romania/ Waste Water Treatment Rehabilitation Project</p> <p>The ISPA measure shall support the development of municipal utilities in Pascani (ca 53,000 inhabitants) and the over-all plans for regional development in the county of Iasi. The project consisted of two parts: i) Water Transmission Main between Motca and Pascani including all pumping stations, sumps and chlorination equipment and ii) Upgrades of the Waste Water Treatment Plant at Pascani (ca 80,000 p.e.; 22,550 m3/d; sludge drying beds) and of key sewers. Approx. service value: 1,200,000 EUR</p> <p>Tasks: Detail Design, ISPA proposal evaluation, Project Management, Site Supervision (FIDIC Yellow Book), Tendering, Tendering Consultancy, Training & Capacity Building</p>
2002 - 2003	Bulgaria	~ 60	European Commission Sofia/ iC p.woetzinger@ic-group.org	Project Manager, Procurement Expert, Tender Evaluator, Waste Expert, Contract Expert	<p>EC: Regional Waste Disposal Sides located in Montana, Rousse, Pernik, Sevlievo, Silistra and Sozopol - Bulgaria</p> <p>The European Commission (EC) supports the construction of 6 regional landfills (Works acc. to FIDIC Red Book) in Montana (ca 45,000 inh), Rousse (ca 155,000 inh), Pernik (ca 80,000 inh), Sevlievo (ca 25,000 inh), Silistra (ca 50,000 inh) and Sozopol (ca 7,000 inh) under the ISPA programme.</p>

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					Services: Technical Assistance to to EC/ CA, Procurement (Evaluation as an independent evaluator) and Contracting Support for the Works Tender according to EC PRAG guidelines. <u>Tasks:</u> ISPA Works Tender Evaluation under PRAG Rules/ FIDIC Red Book
2002 - 2003	Albania	~ 100	European Commission/ iC p.woetzinger@ic-group.org	Team Leader Water Supply, Procurement Expert, Contract Expert	EC: Water Supply Emergency Works, Gjirokaster The project served to extend and improved the water supply infrastructure (including wells, pumping stations, disinfection, reservoirs, ca 45 km transmission/ distribution lines) in the town of Gjirokaster, located in Southern Albania with a population of approx. 32,000. Services include detail design, preparation of tender documents and construction supervision. Approx. service value: 500,000 EUR <u>Tasks:</u> Design, Preparation of Tender Documents acc. to PRAG and CESMM3
2002 - 2003	Latvia	~ 25	Ministry of Environmental Protection and Regional Development, Republic of Latvia/ iC p.woetzinger@ic-group.org	Procurement Expert, Water and Wastewater Expert	EC: Improvement of water supply and waste water situation in 18 municipalities in the river basins of Eastern Latvia and Rezekne The project comprises 18 municipalities in the river basins of Eastern Latvia as well as the city of Rezekne (total population ca 250,000). The overall objective of the project was to improve the water supply and waste water situation in the beneficiary municipalities to a level, which is in conformity with the EU Directives for potable water quality (Directive 98/83/EC and Directive 80/68/EEC), the EU Directive for Urban Wastewater Treatment (Directive 91/271/EEC and the Directive for the Protection of the Environment when Sewage Sludge is used for Agriculture (Directive 86/278/EEC). Approx. service value: 3,200,000 EUR <u>Tasks:</u> Project co-ordination, design and preparation of tender dossiers acc. to EC PRAG Rules; FIDIC Red & Yellow Book
2002	Hungary	~ 22	European Commission Budapest/ iC p.woetzinger@ic-group.org	Project Manager, Procurement Expert, Tender Evaluator Wastewater Expert, Contract Expert	EC: Waste Water Treatment and Sewage System-Torniszentmiklos Micro Region/Hungary The project encompassed a waste water treatment plant and sewage system in the Region of Torniszentmiklos serving for Hungarian and cross border Slovenian population (total population approx 8,500). Financing comes from the EC/PHARE. Services: Technical Assistance to EC/ CA; Wastewater/WW Treatment, Procurement (independent evaluator as per EC PRAG) and Contracting Support for a Works Tender. <u>Tasks:</u> Tender Evaluator, Institutional Strengthening, PHARE Works Tender Evaluation under PRAG Rules; FIDIC Red Book, procurement support
2002	Romania	~22	Central Finance and Contracts Unit (CFCU)/ iC p.woetzinger@ic-group.org	Procurement Expert, Tender Evaluator, Water Supply Expert, Contract Expert,	EC: Upgrading of Water and Wastewater System in Iasi, Tender Evaluation Pumping Stations The EC has approved ISPA funding for works of the "Upgrading and Automating the Pacurari, Aurora and Mijlociu Pumping Stations, Iasi" (total ca 300,000 inhabitants). Services: Tender Evaluator, Technical Assistance to EC/ CA; Water Supply, Procurement (independent observer as per EC PRAG) and Contracting Support for a Works Tender. Approx. service value: 9,000 EUR <u>Tasks:</u> ISPA Works Tender Evaluation under PRAG Rules; FIDIC Red Book
2002	Romania	~22	Central Finance and Contracts Unit (CFCU)/ iC p.woetzinger@ic-group.org	Project Manager, Procurement Expert, Tender Evaluator, Water Supply Expert, Contract Expert	EC: Piatra Neamt Waste Management, Procurement Support for TA Management and Supervision of ISPA Contracts - Service Under the EC ISPA funded measure the Service Tender Technical Assistance for management & supervision of ISPA Contracts in Piatra Neamt (total ca 85,000 inhabitants) of the subsequent works contract are to be assigned Services: Tender Evaluator, Technical Assistance to EC/ CA; Waste, Procurement (independent observer as per EC PRAG) and Contracting Support for a Service Tender. <u>Tasks:</u> ISPA Service Tender Evaluation under PRAG Rules

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2002	Estonia	~80	European Commission/ Safege/ iC p.woetzing@ic-group.org	Team Leader Water Supply, Procurement Expert	EC: Expansion of Valga Water Network and Sewerage Valga , with a population of some 15,000, needs considerable expansion of its water supply and sewerage system (currently 23 km and 26 km respectively). The assignment included the preparation of design documents and tender dossiers in line with FIDIC CoC (Red Book) and ISPA standards. Approx. service value: 195,000 EUR <u>Tasks:</u> Consulting, Design, Preparation of Tender Documents acc. to PRAG and FIDIC Red Book
2002	Slovenia	~22	STRABAG AG/iC p.woetzing@ic-group.org	Procurement Expert, Contract Expert	EC: WWTPs in Slovenje Gradec and Slovenska Bistrica To support the client in the preparation of tender documents for the subject WWTPs (20,000 p.e., 30,000 p.e. respectively; both sludge drying beds), managerial and engineering services were provided. Investment volume EUR 12 mill. (70 % ISPA funding). Approx. service value: 155,000 EUR <u>Tasks:</u> Consulting Support in preparation of tender documents (FIDIC Yellow Book)
2000 – 2001	Kosovo	~80	European Agency for Reconstruction/ KfW/ iC p.woetzing@ic-group.org	Team Leader Water Supply, Procurement Expert	EC/ KfW: Rehabilitation of Urban Water Supplies and Sanitation II (WSS II) The program includes the preparation and implementation of water sector improvement measures in the towns Prishtine, Fushe Kosova, Obiliq, Podujeve, Glllogoc, Lipjan, Mitrovica, Vushtrri, Skenderaj and Leposavic (total population approx. 710,000). Approx. service value: 1,800,000 EUR <u>Tasks:</u> Feasibility Study, Preliminary Design, Detail Design, Tendering, Procurement, Supervision, Institutional Strengthening
2000 - 2001	Albania	~180	Albanian Ministry of Public Works/Austrian Ministry of Foreign Affairs/ iC p.woetzing@ic-group.org	Team Leader, Procurement Expert, Tender Evaluator, Contract Expert	ADA: Shkodra Region – Water Supply for the Villages Barbullush, Bushat, Ranxa and Ana Malit The four villages (total population ca 14,000) are located in the immediate surroundings of Shkodra and do not dispose of public water supply systems. To improve the quality of water supply, new infrastructure including wells, pumping stations, disinfection, reservoirs and transmission/distribution pipelines (total approx. 40 km) were built. Approx. service value: 290,000 EUR <u>Tasks:</u> Feasibility Study, Preliminary Design, Detailed Design, Tender Documents, Tender Evaluator (2 Works), Site Supervision (FIDIC Red Book)
2000	Albania	~20	Medecins Sans Frontieres/ iC p.woetzing@ic-group.org	Procurement Expert, Water Supply Expert	Medicine Sans Frontier: Water Supply Kakac and Pirc – Design and Tendering Phase Review of the technical tender documents for the planned rehabilitation of the water supply systems (total approx. 20 km of transmission/distribution mains, reservoirs) for the towns of Kakac and Pirc (ca 800 and 2,000 inhabitants), located in the eastern part of Albania. Approx. service value: 30,000 EUR <u>Tasks:</u> Engineering Consulting
1999 - 2001	Albania	~90	Albanian Ministry of Public Works/ Austrian Federal Chancellery/ iC p.woetzing@ic-group.org	Project Manager, Team Leader Water Supply, Procurement Expert, Tender Evaluator,	ADA: Water Supply of the Town of Lac Rehabilitation of the water supply system (pumping station, disinfection, total approx. 10 km transmission mains, reservoirs) of Lac, improvement of infrastructure and management of the water works, and provision of water supply to the neighbouring village Sanxhak (total population approx. 15,000). Approx. service value: 140,000 EUR <u>Tasks:</u> Feasibility Study, Preliminary Design, Detailed Design, Tender Documents, Tender Evaluator (2 Works), Site Supervision (FIDIC Red Book)
1998 - 2000	Albania	~60	Albanian Ministry of Public Works and Transport/ World Bank/ iC p.woetzing@ic-group.org	Team Leader Water Supply; Procurement Expert	WB: Water Supply and Waste Water Infrastructure for the Towns of Saranda and Fier Improvement of the water supply (wells, mains, pumping stations, reservoirs) and waste water (pumping stations, sewers) infrastructure in Saranda and Fier (ca 20,000 and 60,000 inhabitants respectively) by means of identifying priority measures based on existing feasibility studies <u>Tasks:</u> Feasibility Studies Review, Preliminary Design, Detailed Design, Tender Documentation
1998 - 2000	Bosnia-Herzegovina	~180	Open City Konjic, BiH/ Austrian Federal Chancellery/ iC	Team Leader Water Supply, Procurement	ADA: Improvement of Water Supply, Waste Water Infrastructure and Solid Waste Management for the Town of Konjic

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
			p.woetzing@ic-group.org	Expert, Tender Evaluator, Resident Engineer	Improvement and extension of the existing infrastructure of the town of Konjic (ca 30,000 inhabitants), including water supply (disinfection, transmission/distribution pipes, reservoirs, water meters), waste water (sewers), and solid waste measures (collection improvement measures). <u>Tasks:</u> Feasibility Study, Preliminary Design, Detailed Design, Tender Documents, Tender Evaluation, Tender Evaluator (1 Works, 3 Supplies) Site Supervision (FIDIC Orange Book)
1998	Bulgaria	~30	Finanzierungs GmbH and Vienna Business Agency, Austria/ iC p.woetzing@ic-group.org	Water Supply Expert, Contract Expert	Sofia Water and Waste Water Concession Project Support to the Sofia (total population approx. 1,280,000) Water Works in the preparation of tender documents for the concessions for municipal water and sewerage services. <u>Tasks:</u> Due Diligence of Sofia Water Works status (physically, technically and financially)
1998	Slovenia (Services delivered from Austria)	~30	European Commission/ PHARE Programme /iC p.woetzing@ic-group.org	Waste Water/Waste Water Treatment Expert	Wastewater Treatment and Sewage System for the Towns of Bovec and Kobarid Extension of the existing sewage system and construction of waste water treatment plants incl. sludge treatment for Bovec (ca 6,500 p.e.) and Kobarid (ca 4,000 p.e.) to ensure sustainable development of the Triglav National Park. Approx. service value: 200,000 EUR <u>Tasks:</u> Preliminary Design, Detailed Design, Management Consulting, Concession Models
1997	Austria/ Hungary	~100	Bundesimmobiliengesellschaft (BIG), Austria/ DI Klestil office@klestil.co.at	Infrastructural Expert, Procurement Expert, Resident Engineer	Border Customs Office, Upgrading of Infrastructure – Austria/ Hungary, Area Deutschkreutz & Area Nickelsdorf Improvement and extension of the customs office area to the best available technology incl. infrastructure for water, wastewater, gas, electricity separated waste system and access roads <u>Tasks:</u> Consulting, Design, Tender Documents, Construction Supervision; application of ÖVGW standards
1997	Austria	~200	Public Enterprise for Electric Supply (EVN), Austria/ DI Klestil office@klestil.co.at	Waste Expert, Procurement Expert, Resident Engineer	Caloric Power Plant Theiß – Upgrading of Infrastructure and Solid Waste Infrastructure Improvement and extension of the caloric power plant in Theiß to the best available technology incl. infrastructure for water, wastewater, contaminated fluids, gas, electricity, mineral oil separators, access roads and construction of office facilities, garages and workshops; Design for a hazardous waste dumpsite for the products of the flue gas desulphurization plant of the caloric power plant of Theiß <u>Tasks:</u> Consulting, Design, Tender Documents, Construction Supervision
1995 - 1996	Austria	~700	Municipalities Leopoldsdorf, Weikersdorf, Tallesbrunn, Gießhübl, Sierndorf; all Austria/ DI Kernstock office@kernstock-zt.at	Water Supply/ Wastewater Engineer, Tender Evaluator	Expansion and Rehabilitation of the existing drainage and water supply systems and reconstruction of the wastewater treatment plants including sludge treatment, all related buildings and infrastructure measures of Leopoldsdorf, Weikersdorf, Tallesbrunn, Gießhübl, Sierndorf <u>Tasks:</u> Consulting, Design, Tender Documents (amongst Tender Evaluator), Construction Supervision; application of ÖVGW standards (equal to DWA standards)
07-08/91	Austria	~60	Schüffl-Forsthuber Salzburg/Austria office@isf.co.at	Water/ wastewater Engineer	Water Treatment and Sewage for Najmah <u>Tasks:</u> Component Design
03/1989 - 08/1994	Austria	~ 660	Vienna Administration Water Supply Department; www.wien.gv.at/wienwasser	Researcher	Study for virological efficiency of ultraviolet disinfection treatment of Vienna drinking water <u>Tasks:</u> Research
09/91 - 02/92; 11/90 - 06/91; 11/89 - 06/90; 10/88 - 01/89; 09/87 - 06/88	Austria	~ 210	University of Natural Resources and Applied Life Sciences, Vienna/Austria; www.boku.ac.at	Student Assistant	Preparation of several projects studies concerning water supply, wastewater, wastewater treatment, waste, civil construction, roads and bridges <u>Tasks:</u> Design

Date from - to	Location	Total p-d	Company& Ref Contact	Position	Description
07-08/90	China (Services delivered from Austria)	~ 60	Aqua Engineering Salzburg/Austria (company ceased to exist)	Wastewater Engineer	<i>Waste Water Treatment Plant for Nanjing; Waste Water Treatment Plant for Beijing</i> <u>Tasks:</u> Component Design

Mostly applied abbreviations:

ADA ... Austrian Development Agency; ADB ... Asian Development Bank; EC ... European Commission; KfW ... Kreditanstalt für Wiederaufbau; WB ... World Bank

p-d ... person days

SW ... Solid Waste; WS ... Water Supply; WW ... Wastewater; CBA ... Cost Benefit Analyses; DD ... Detailed Design; TD ... Tender Documentation

14. Other relevant information (e.g., Publications):

- Honorary Citizenship of Barbullush, District Shkodra/Albania, since 2001; granted due to personal commitment for improving of Barbullush population's welfare in the water supply sector.
- Publications: Study for virological efficiency of ultraviolet disinfection treatment of Vienna's drinking water (08/1994)