

## Thiemo FELLNER, MSc

### Experience and References

#### **SPECIFIC COUNTRY EXPERIENCE:**

Country	Date from – Date to
Bosnia	2009 – 2010
Czech Republic	2021
Georgia	2015 – ongoing
Kazakhstan	2018 – 2021
Kyrgyz Republic	2017 - ongoing
Romania	2009 & 2022
Slovakia	2021
Tajikistan	2009 – ongoing
Ukraine	2021 – 2022
Uzbekistan	2012 – 2020

#### **LANGUAGE SKILLS: (1 - EXCELLENT; 5 - BASIC)**

Languages	Reading	Speaking	Writing
German (Native speaker)	1	1	1
English	1	1	1
Spanish	2	2	2
Italian	4	4	4
Russian	5	5	5

#### **OTHER SKILLS:**

IT- skills	MS Office, AutoCAD Civil 3D, SMS, Hydro-As-2d, HEC- RAS, HEC-HMS, Habitat Evaluation Model, ESRI ArcGIS, QGIS, Bentley WaterCAD, Adobe Photo Shop, EpaNet, Flo-2D
Driving licenses	A, B, C, F
Other skills	deepened knowledge in project management, business administration and quality management topographical surveying and technical terminology in English and Spanish

## INTERNATIONAL CONSULTANCY REFERENCES

<b>PROJECT TITLE &amp; POSITION</b>	
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<b>Client</b>	<b>Contract Value/Expert months provided</b>
<b>ASSESSMENT OF TWO LANDFILLS IN ROMANIA</b>	
PROJECT MANAGER   LANDFILL EXPERT	
04/2022 – 06/2022 Romania (2 cities) BRANTNER ENVIRONMENT GROUP, AUSTRIA	Assessment of operation, technical facilities, environmental issues, etc. at two landfills in Romania: - Compliance check of current operations with the EU LFD and Operation Permits - Technical compliance check with the EU LFD and Operation Permits - Further analysis of observations, recommendations consideration of intervention priority for the operator (immediate intervention needed, potential issue of concern for future, recommendations for optimization for future operation / aftercare)
<b>TBILISI SOLID WASTE PROJECT EXTENSION: TECHNICAL STUDY – LANDFILL LEACHATE</b>	
SOLID WASTE ENGINEER   LANDFILL EXPERT   DEPUTY TEAM LEADER	
11/2021 – ONGOING Tbilisi, <b>GEORGIA</b> City of Tbilisi EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Detailed technical study of potential options for design and installation of a new leachate management system (including the necessary upgrade of leachate collection, recirculation and the leachate treatment plant) at Didi Lilo. <ul style="list-style-type: none"><li>• Designing of a new leachate treatment system for the landfill aiming at minimising the leachate that needs to undergo treatment;</li><li>• Conduct a range of the technical studies/assessments to assess options for the enhanced upgrade of the leachate collection and treatment system;</li><li>• Assist the Company in the implementation of selected Environmental and Social (“E&amp;S”) requirements on the Original Project and Project Extension.</li></ul>
<b>RURAL WATER SUPPLY AND SANITATION PROJECT (RWSSP)</b>	
<b>CONSULTING SERVICES FOR THE DEVELOPMENT OF THE NATIONAL WATER SUPPLY AND SANITATION PROGRAM TAJIKISTAN</b>	
WATER UTILITIES OPERATION SPECIALIST	
09/2021 – ONGOING <b>TAJIKISTAN</b> WORLDBANK	Development of the new programmatic document, which will define a “national vision” for the WSS sector and lay out the trajectory of the sector’s development in achieving targets set in other strategic documents of the Republic of Tajikistan. Analysis of technical, legal, institutional, financial, economic and regulatory aspects of the water supply and sanitation sector in Tajikistan; Identification of the key gaps/challenges and assessment of the areas of focus to address those gaps within the next 10 years through a program of consistent measures formulated in a roadmap (Action Plan), taking into consideration the various risks involved, financing mechanisms, and identification of potential priority investment projects in the sector. WSS Sector Analysis; Support in formulation of the program & Development of an investment plan; Support in appraisal and design of the Framework for the WSS MIS database

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<b>KARAKOL WATER SUPPLY PROJECT - CORPORATE DEVELOPMENT, SOCIAL SUPPORT AND STAKEHOLDER PARTICIPATION PROGRAMME</b> DEPUTY PROJECT MANAGER   INT. ENVIRONMENTAL EXPERT & HEALTH AND SAFETY EXPERT   INT. GIS EXPERT	
04/2021 – ONGOING Karakol, <b>KYRGYZ REPUBLIC</b> EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Part I: Corporate Development Programme for the Company: development and implementation of a Financial and Operational Performance Improvement Programme ("FOPIP"), Corporate Development Programme and Capacity Building Plan Part II: Social Support Programme: development and implementation of a social support programme for low income customers Part III: Stakeholder Participation Programme: development and implementation of a Stakeholder Participation Programme, aimed at enhancing public ownership by encouraging water conservation, increasing public participation in the provision of water services and raising public awareness Project Management; Preparation of Reports; FOPIP implementation; GIS implementation; improvement of EHS capabilities
<b>PROJECT FEASIBILITY ASSESSMENT FOR THE SUSTAINABLE INFRASTRUCTURE GROUP – TBILISI MUNICIPAL SERVICES PROJECT – DUE DILIGENCE</b> DEPUTY TEAM LEADER   TRUCK FLEET   MACHINERY SPECIALIST	
12/2020 – ONGOING Tbilisi, <b>GEORGIA</b> City of Tbilisi EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Technical and Economic Feasibility of the Project for an upgrade of existing specialized vehicles, machinery and equipment for provision of basic municipal services, namely solid waste management and street lighting in the city of Tbilisi; Technical Specifications for Solid Waste Infrastructure and Vehicles; Data Collection and Evaluation; Economic and Financial Analysis; Institutional Assessment and Analysis; Due Diligence: Technical, Institutional, Environmental, Financial and Legal
<b>ASSESSMENT OF EIGHT LANDFILLS IN SLOVAKIA AND CZECH REPUBLIC</b> PROJECT MANAGER   LANDFILL EXPERT	
07/2020 – 10/2020 Slovakia (5 cities) Czech Republic (3 cities) BRANTNER ENVIRONMENT GROUP, AUSTRIA	Assessment of operation, technical facilities, environmental issues, etc. at five landfills in Slovakia and three landfills in the Czech Republic: - Compliance check of current operations with the EU LFD and Operation Permits - Technical compliance check with the EU LFD and Operation Permits - Further analysis of observations, recommendations consideration of intervention priority for the operator (immediate intervention needed, potential issue of concern for future, recommendations for optimization for future operation / aftercare)

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<b>JALAL-ABAD WATER AND WASTEWATER REHABILITATION PROJECT – PHASE II</b> <b>CORPORATE DEVELOPMENT, STAKEHOLDER PARTICIPATION AND CITY SUPPORT PROGRAMME</b> DEPUTY TEAM LEADER ENVIRONMENTAL EXPERT AND CLIMATE CHANGE EXPERT GIS EXPERT	
02/2020 – ongoing  Jalal-Abad, <b>KYRGYZ REPUBLIC</b>  EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Rehabilitate the additional water supply and wastewater networks and in the areas that were not covered under the Phase I; Continue the institutional capacity improvement of the company; Further improvement of Environmental Health and Safety (“EHS”) management capabilities and under-developed EHS management systems, and the current occupational health and safety and stakeholder engagement practices  Project Management; Preparation of Reports; GIS implementation; improvement of EHS capabilities
<b>TOKMOK WATER SUB-PROJECT CORPORATE DEVELOPMENT, SOCIAL SUPPORT AND STAKEHOLDER PARTICIPATION PROGRAMME</b> DEPUTY TEAM LEADER SENIOR ENVIRONMENTAL EXPERT GIS EXPERT	
06/2019 – 12/2021  Tokmok, <b>KYRGYZ REPUBLIC</b>  EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Rehabilitate the water supply system and selected wastewater improvements; Improve billing and collection efficiency; Improve financial and operational management; reduce water losses and install bulk meters to provide a management tool for leakage detection and control as well as consumer metering in a pilot area; improvement of Environmental Health and Safety (“EHS”) management capabilities  Project Management; Preparation of Reports; GIS implementation; improvement of EHS capabilities
<b>UST-KAMENOGORSK AND SEMEY SOLID WASTE PROJECTS - FEASIBILITY STUDY</b> DEPUTY PROJECT MANAGER TECHNICAL SPECIALIST - SWM FACILITIES DESIGN EXPERT ENVIRONMENTAL AND CLIMATE CHANGE EXPERT	
02/2019 – 06/2021  Ust-Kamenogorsk and Semey, <b>KAZAKHSTAN</b>  EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Assess the current situation and propose different options for waste management improvement;  Baseline study, project proposal, legal and institutional set-up, operational efficiency assessment, financial and economic assessment, PIP, E&S assessment

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<b>SOUTH KAZAKHSTAN WATER SUPPLY PROJECT: AKTOBE, ZHAMBYL AND SOUTH KAZAKHSTAN REGIONS</b>	
INTERNATIONAL TECHNICAL SUPERVISION ENGINEER	
06/2018 – 12/2020 Aktobe, Zhanbyl and South Kazakhstan Region, <b>KAZAKHSTAN</b> SUE "Kazvodkhoz" EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Rehabilitation of water supply systems and facilities for irrigation; Development of green zone infrastructure in Aktobe; Construction of water mains and pumping stations; Reconstruction of inter-farm canals and feeding channels; Reconstruction of internal collector-drainage networks;  Support to the Project Manager and local Technical Supervision team (Technical and Financial Construction Supervision based on FIDIC, control supervision and monitoring of the implementation progress; instructions and templates for supervision of construction; preparation of progress reports; variation requests; engineers expertise)
<b>SOLID WASTE MANAGEMENT IMPROVEMENT PROJECT – CAPACITY DEVELOPMENT CONSULTANCY SERVICES</b>	
DEPUTY PROJECT MANAGER AND GIS EXPERT	
12/2017 – 12/2019 Tashkent, <b>UZBEKISTAN</b> State Unitary Enterprise "Maxustrans" ASIAN DEVELOPMENT BANK	Strengthening operation capacity of Maxustrans (extension of service area; awareness raising; improvement of management and operations; cost reduction; IT-support) and development of National Solid Waste Management Strategy  Project Management; Preparation of Reports; GIS implementation; routing optimization; mapping; support of Solid Waste Engineers and Environmental Expert
<b>ISFANA WATER PROJECT – FEASIBILITY STUDY</b>	
WATER SUPPLY & WASTEWATER EXPERT RESOURCE EFFICIENCY EXPERT	
06/2017 – 10/2017 Isfana, <b>KYRGYZ REPUBLIC</b> Isfana Water Utility EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Technical and financial feasibility assessment; Financial analysis of the Company and preparation of financial inputs; Financial analysis of the budgets of the City; Implementation strategy for the PIP; Calculation of the Bank's standard measuring indicators and SRI impact indicators; Environmental and Social Audit & Impact Assessment  Baseline Study; Technical Assessment; Conceptual Design; Hydraulic Modelling; Elaboration of Investment Programme (LTIP, PIP); Resource Efficiency Assessment
<b>TBILISI WASTE MANAGEMENT PROJECT FEASIBILITY STUDY</b>	
ENVIRONMENTAL EXPERT	
06/2016 – 12/2016 Tbilisi, <b>GEORGIA</b> City of Tbilisi EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Tender evaluation for procurement activities of new waste processing plant; Technical Specifications for Solid Waste Infrastructure and Vehicles; Data Collection and Evaluation; Economic and Financial Analysis; Institutional Assessment and Analysis; Due Diligence: Technical, Institutional, Environmental, Financial and Legal  E&S due diligence (E&S Audit & Impact Assessment); Elaboration of Environmental & Social Action Plans, Stakeholder Engagement Plans

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<b>NUREK WATER AND WASTEWATER FEASIBILITY STUDY</b>	
ENVIRONMENTAL EXPERT	
08/2015 – 12/2015 Nurek, <b>TAJIKISTAN</b> City of Nurek EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Baseline Study; Review of institutional, legal, financial, technical, environmental and social situation; Technical assessment of water supply and wastewater services; Priority & Long-term investment strategy; Financial analysis; Environmental & Social Audit and Impact Assessment; Financial and Economic Analysis incl. Tariffs and Affordability  Baseline Study; Technical Assessment; Investment Programme; Environmental & Social Audit and Impact Assessment; Environmental and Social Action Plan (ESAP)
<b>KHUJAND SOLID WASTE SUB PROJECT, PHASE II FEASIBILITY STUDY</b>	
LANDFILL DESIGN EXPERT   ENVIRONMENTAL EXPERT	
08/2015 – 11/2015 Khujand, <b>TAJIKISTAN</b> City of Khujand EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Baseline Study; Project Proposal; Environmental and Social Due Diligence (ESDD); Project Implementation Plan; Institutional Reform Update: Business plan & potential of PPP; Financial and Economic Analysis incl. Tariffs and Affordability  Baseline Study; Preliminary Landfill Design; Investment Proposal; E&S Audit and Impact Assessment; PR Compliance Assessment; Environmental and Social Action Plan (ESAP); Stakeholder Engagement Plan (SEP)
<b>ALAT &amp; KARAKUL WATER SUPPLY PROJECT</b>	
WATER SUPPLY EXPERT   ENVIRONMENTAL EXPERT	
06/2015 – 04/2017 Alat & Karakul; <b>UZBEKISTAN</b> Bukhara "Suvokova" (BVK) WORLD BANK	The Project rehabilitated and expanded water treatment, transmission and distribution infrastructure to restore or provide potable water service to 232,000 residents in the Alat and Karakul districts of the Bukhara region.  Review of FS; Water supply concepts; general and detailed design, Hydraulic Modelling; division manager design teams; elaboration of bidding documents (technical specifications, bills of quantity & drawings)
<b>KHOROG SOLID WASTE MANAGEMENT - E&amp;S DUE DILIGENCE PROJECT</b>	
PROJECT MANAGER & ENVIRONMENTAL EXPERT	
12/2014 – 02/2015 Gorno Badakhshan, <b>TAJIKISTAN</b> EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	E&S due diligence with special regards to the existing landfill & dumpsite as well as the future sanitary landfill  Project Management; E&S Audit & Impact Assessment; Elaboration of Environmental & Social Action Plans; Stakeholder Engagement Plans

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<b>TAJIK WATER II - DUE DILIGENCE OF 20 CITIES OF TAJIKISTAN</b>	
ENVIRONMENTAL EXPERT   CLIMATE CHANGE EXPERT	
03/2014 – 10/2014 <b>TAJIKISTAN</b> KMK Tajikistan EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Preparation of a Phase II Investment Programme; Environmental and Social Audit and Impact Assessment; Creditworthiness and Financial Analysis and EIRR calculations; Legal Due Diligence & Institutional Analysis; Assessment of equitable access and Water Safety Plan development  E&S due diligence; Environmental and Social Management Plans; E-H-S Programme; Climate Change resilience; recommendations on Water Safety Plans; staff trainings
<b>SYRDARYA WATER SUPPLY PROJECT</b>	
WATER SUPPLY AND SEWERAGE EXPERT   ENVIRONMENTAL EXPERT	
09/2013 – 01/2018 Gulistan, <b>UZBEKISTAN</b> Syrdarya Reg. Production Enterprise Suvokova WORLDBANK	Assistance in physical investments (investments planning, detailed design, preparation of bidding documents, construction supervision); Institutional development services (institutional assessment, technical assistance for improvement of utility management, training of utility staff, preparation of awareness campaigns, etc.); Preparation of Feasibility Study for future sewerage and sanitation investments  Environmental and Social Appraisal, E&S impact assessment; Modelling and planning of water distribution networks of several cities and villages; Feasibility Study for Sewage Solutions; preparation of GIS maps and elevation models; ACAD & GIS trainings with Suvokova staff
<b>CENTRAL TAJIK WATER – COOPERATE DEVELOPMENT PROJECT</b>	
ENVIRONMENTAL EXPERT   IT EXPERT   GIS APPLICATION TRAINER	
06/2013 – 04/2014 Central <b>TAJIKISTAN</b> KMK Tajikistan EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Implementation of the Water Sector Development Strategy: Establishment of Central Tajik Regional Water and Sewage Companies (RWSC); Corporate Development Programme for the Central Tajik RWSC and the Operational units Gissar, Shahrinav, Somonyion and Tursunzoda; Support of the Central Tajik RWSC in transformation process and initial operations; Development of a Medium-Term Corporate Development Plan; Capacity Building Programme; Enhance Financial Management Capacity in KMK  E&S impact assessment, Environmental and Social Management Plans, E-H-S Programme; Preparation of GIS-“water cadastres”, Training of local KMK employees in GIS application

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<b>KURGAN TYUBE SOLID WASTE – FEASIBILITY STUDY</b>	
LANDFILL DESIGN EXPERT   ENVIRONMENTAL AND RESETTLEMENT EXPERT	
09/2012 – 04/2013 Kurgan-Tyube, <b>TAJIKISTAN</b> KMK Tajikistan EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Baseline study of the solid waste sector; Project proposal and environmental / social screening; Institutional reform proposal; Financial and economic analysis; Resettlement Action Plan  Data assessment of the present situation; Conceptual Design of a landfill for the city of Kurgan Tyube; Environmental and Social Appraisal; E&S impact assessment; climate change resilience of the proposed measures; Resettlement Action Plan
<b>KHATLON WATER FEASIBILITY STUDY</b>	
ENVIRONMENTAL AND CLIMATE CHANGE EXPERT	
07/2012 – 12/2012 Khatlon Region, <b>TAJIKISTAN</b> Vodokanal Tajikistan EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Baseline Study (Technical and Socio-economic Data, Climate Change Impacts); Project Proposal; Environmental and Social Due Diligence (ESDD); Project Implementation Plan  Environmental and Social Due Diligence (E&S Audit, E&S Analysis, EBRD PRs compliance table, Environmental and Social Action Plan, Stakeholder Engagement Plan); workshops with key stakeholders; climate change resilience of the proposed measures
<b>MUNICIPAL INFRASTRUCTURE DEVELOPMENT FARKHOR: INFRASTRUCTURE REHABILITATION WATER AND WASTE - FEASIBILITY STUDY AND ENGINEERING DESIGNS</b>	
WATER SUPPLY EXPERT   RESETTLEMENT EXPERT	
10/2011 – 08/2012 Farkhor, <b>TAJIKISTAN</b> Vodokanal Farkhor WORLDBANK	Technical Specifications for Solid Waste Infrastructure and Vehicles; Environmental and Social Assessments; Due Diligence: Technical, Institutional, Environmental, Social, Financial and Legal; Technical Studies and Preliminary Design for Water Supply, Solid Waste and Sanitation, Institutional Study  Assessment of existing technical facilities water supply and sanitation; Data Compilation; Definition of measures for future technical improvements; Support of local experts on detailed design of water supply infrastructure; Environmental Audit and Analysis.
<b>KHUJAND SOLID WASTE MANAGEMENT PROJECT - FEASIBILITY STUDY</b>	
LANDFILL DESIGN EXPERT	
03/2011 – 09/2011 Khujand, <b>TAJIKISTAN</b> Motorpool Khujand EUROPEAN BANK FOR RECONSTRUCTION & DEVELOPMENT	Baseline study of the solid waste sector; Project and investment proposal; environmental/social screening; Institutional reform proposal; Financial and economic analysis  Data assessment of the present situation; Conceptual Landfill Design; Investment Proposal; Environmental and Social Appraisal; E&S impact assessment; climate change resilience of the proposed measures; Waste Management Strategy for the city



## NATIONAL CONSULTANCY REFERENCES

Date	Location	Client	Position	PROJECT TITLE Description of performed tasks
02/2022 – 04/2022	Tadten, Burgenland, Austria	Energie Burgenland Green Energy GmbH	Project Manager Flood Protection Expert	SOLAR POWER PLANT “TADTEN”, HYDROLOGICAL AND HYDRAULIC ANALYSIS Hydrological and hydraulic modelling; flood risk assessment, assessment of impacts from the solar power plant to the hydrological situation in the region
08/2021 – 09/2022	Ulrichskirchen – Schleinbach, Austria	Mag. H. Kühschelm	Project Manager Flood Protection Expert	FLOOD PROTECTION FOR A PRIVATE PROPERTY FROM SURFACE WATERS Hydrological and hydraulic modelling; design of flood protection measures approval procedures / permit notice
04/2021 – 12/2021	Angern, Austria	Government of Lower Austria WG Angern West	Construction Supervision Expert Irrigation Expert	IRRIGATION SYSTEM “ANGERN A. D. MARCH” Tendering and Construction Supervision for the new irrigation system of Angern West
10/2020 – 07/2022	Mistelbach, Austria	Government of Lower Austria City of Mistelbach	Project Manager Hydrological and Flood Protection Expert	FLOOD PROTECTION FROM SURFACE WATERS IN “LANZENDORF” Hydrological and hydraulic modelling; design of a retention basins and flood protection measures approval procedures / permit notice
08-2020 – 12/2021	Baumgarten, Austria	Government of Lower Austria WG Baumgarten	Project Manager Hydraulic and Irrigation Expert	IRRIGATION SYSTEM “BAUMGARTEN” Redesign pumping station; approval procedures - water abstraction permit
07-2020 – 03/2021	Arnsdorf / Rossatz, Austria	Government of Lower Austria WG Arnsdorf	Project Manager Hydraulic and Irrigation Expert	IRRIGATION SYSTEM “ARNSDORF” Hydraulic design and modelling of the irrigation system; approval procedures - water abstraction permit
10/2019 – 06/2021	Zissersdorf, Austria	Government of Lower Austria WG Zissersdorf	Project Manager Hydraulic and Irrigation Expert	IMPLEMENTATION OF IRRIGATION SYSTEM “ZISSERSDORF” Project Management; technical and financial construction supervision
10/2017 – 12/2018	Seitzersdorf - Wolfpassing, Austria	Biohof Anzböck	Hydraulic and Irrigation Expert	IRRIGATION SYSTEM “SEITZERSDORF” Hydraulic design and modelling of the irrigation system; pump dimensioning; design of the pumping station
09/2015 – 08/2019	Zissersdorf, Austria	Government of Lower Austria WG Zissersdorf	Project Manager Hydraulic and Irrigation Expert	IRRIGATION SYSTEM “ZISSERSDORF” Project Management; Hydraulic design and modelling of the irrigation system; pump dimensioning; design of the pumping station
06/2016 – 12/2017	Eichgraben, Austria	Avalanche- & Torrent Control Austria	Hydrological Expert	HYDROLOGIC ANALYSIS FOR THE CATCHMENT AREA OF THE TORRENT “ANZBACH” hydrologic modelling; definition of critical water discharge figures; hydraulic longitudinal profile

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11/2015 – 12/2017	Höbersbrunn, Austria	Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FROM SURFACE WATERS IN "HÖBERSBRUNN" Hydrological and hydraulic modelling; design of a retention basins and flood protection measures preparation of GIS maps and elevation models
08/2015 – 12/2017	Prinzendorf, Austria	Government of Lower Austria	Project Manager Flood Protection Expert	FLOOD PROTECTION FROM THE TORRENT "ESELBACH" Hydrological and hydraulic modelling; design of a retention basins and flood protection measures preparation of GIS elevation models
08/2013 – 12/2017	Erlauf Austria	Government of Lower Austria	Project Manager Flood Protection Expert Construction Supervision Expert	CONSTRUCTION SUPERVISION OF THE CONSTRUCTION SITE "FLOOD PROTECTION ERLAUF" detailed design, preparation of bidding documents and construction supervision for the construction of the flood protection in Erlauf, Lower Austria
07/2014 – 11/2016	St. Gotthard, Austria	Avalanche- & Torrent Control Austria	Hydrological Expert	HYDROLOGIC ANALYSIS FOR THE CATCHMENT AREA OF THE TORRENT "ESCHELBACH" hydrologic modelling; analysis of possible sites for the construction of retention basins and flood protection measures; elaboration of concepts for flood protection preparation of GIS elevation models
07/2013 – 07/2016	Vienna, Austria	Ökoreal - Audit City of Vienna	Environmental and Risk Expert	LIFE+: IMPLEMENTATION OF AN INTEGRATED LAKE MANAGEMENT OF THE URBAN LAKE "ALTE DONAU":
08/2013 – 12/2015	Walding Austria	Avalanche- & Torrent Control Austria	Flood Protection Expert	FLOOD PROTECTION FROM THE TORRENT "LEITNERBACH" Hydrological and hydraulic modelling; design of a retention basins and flood protection measures preparation of GIS elevation models
11/2012 – 12/2015	Perg Austria	Avalanche- & Torrent Control Austria	Flood Protection Expert	FLOOD PROTECTION FROM THE TORRENT "TOBRABACH" hydraulic modelling; design of a retention basins and flood protection measures
10/2012 – 10/2014	Angern/March Austria	WA3 – Government of Lower Austria	Project Manager Hydraulic Expert	IRRIGATION SYSTEM FOR AN IRRIGATION AREA OF 3,3 KM <sup>2</sup> IN "ANGERN / MARCH" Project Management; Hydraulic modelling of the irrigation system; pump dimensioning; design of the pumping station; preparation of GIS elevation models

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01/2013 – 06/2013	Feldkirchen Austria	Avalanche- & Torrent Control Austria	Hydrological Expert	HYDROLOGIC ANALYSIS FOR THE CATCHMENT AREA OF THE TORRENT “FREUDENSTEINER-BACH” hydrologic modelling; analysis of possible sites for the construction of retention basins and flood protection measures preparation of GIS elevation models
10/2012 – 12/2013	Weinviertel Austria	WA3 – Government of Lower Austria	Construction Coordination & Supervision Engineer	RENATURATION OF THE RIVER “WEIDENBACH” Preparation of a “health and safety – plan” for 2 river construction sites; Construction supervision with special regard to health and safety on the river “Weidenbach” in Reyersdorf & Stripfing
10/2012 – 12/2013	Ulrichskirchen, Austria	WA3 – Government of Lower Austria	Construction Coordination & Supervision Engineer	FLOOD PROTECTION “KRONBERG” Preparation of a “health and safety – plan” for a retention basin construction site; Construction supervision with regard to health and safety in Kronberg
05/2012 – 11/2012	Pabneukirchen, Austria	Avalanche- & Torrent Control Austria	Flood Protection Expert	FLOOD PROTECTION FROM THE TORRENT “FORSTBACH” Hydrological and hydraulic modelling; design of a retention basins and flood protection measures preparation of GIS elevation models
04/2012 – 09/2012	St. Gotthard, Austria	Avalanche- & Torrent Control Austria	Construction Coordination & Supervision Engineer	FLOOD PROTECTION FROM THE TORRENT “ESCHELBACH” Preparation of a “health and safety – plan” for the construction of a retention basin in “St. Gotthard” on the river Eschelbach; construction supervision; preparation of GIS elevation models
10/2011 – 07/2012	Weinviertel, Austria	WA3 – Government of Lower Austria	Construction Coordination & Supervision Engineer	RENATURATION OF THE RIVERS “PULKAU” AND “PORRAUBACH” Supervision of 2 river construction sites with regard to health and safety on the rivers “Porraubach” and “Pulkau”
10/2011 – 09/2012	Mautern, Austria	Avalanche- & Torrent Control Austria	Bedload management & Flood Protection Expert	FLOOD PROTECTION AND BEDLOAD CONTROL FROM THE TORRENT “STEINBRUCHBACHL” Hydraulic modelling, Design of a retention basin for bedload and design of flood protection measures preparation of GIS elevation models
10/2011 – ongoing	Bad Kreuzen, Austria	Avalanche- & Torrent Control Austria	Flood Protection Expert	FLOOD PROTECTION AND BEDLOAD CONTROL FROM THE TORRENT “BADBACH” Hydraulic and hydrological modelling, Design of a retention basin and design of flood protection measures preparation of GIS elevation models
09/2011 – 07/2012	Furth, Austria	Municipality of “Furth”	Hydro Power Expert	REHABILITATION OF THE HYDRO POWER PLANT FURTH Estimation of the maximum capacity of the power plant; Dimension of the hydraulic plant parts; Design of a fish ladder

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09/2011 – 12/2013	Gmünd, Austria	WA3 – Government of Lower Austria	Bedload Management Expert	FEASIBILITY STUDY FOR A BEDLOAD MANAGEMENT STUDY FOR THE RIVER BASIN OF THE “LAINSITZ” AND THE “BRAUNAUACH” Hydrological modelling and calculation of bedload transport-, erosion-, and deposition processes; Conceptual Design of bedload management measures
09/2011 – 06/2012	Klein- Harras, Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FROM SURFACE WATER AFTER HEAVY RAINFALLS FOR THE TOWN OF “KLEIN- HARRAS” Hydrological modelling, design of a retention basin preparation of GIS elevation models
06/2011 – 09/2011	Graz, Austria	Avalanche- & Torrent Control Austria	Flood Protection Expert	FEASIBILITY STUDY - FLOOD PROTECTION SYSTEM FOR THE SETTLEMENT OF “MARIA TROST” Hydrological modelling, conceptual design of retention basins and design of flood protection measures preparation of GIS elevation models
05/2011 – 06/2011	Krems, Austria	Court of Krems	Flood Protection Expert	EXPERT TESTIMONY FOR AN INUNDATION IN THE CITY OF “KREMS”; Hydraulic modelling; Designation and geo-referenced mapping of flood plains, calculation of other flood scenarios
04/2011 – 09/2011	Neufelden, Austria	Avalanche- & Torrent Control Austria	Bedload management & Flood Protection Expert	FLOOD PROTECTION AND BEDLOAD CONTROL FROM THE TORRENT “PÜRNSTEINRUNSE” Design of retention basins for bedload and design of flood protection measures preparation of GIS elevation models
11/2010 – 09/2011	Hollenstein/Y, Austria	Avalanche- & Torrent Control Austria	Bedload management & Flood Protection Expert	FLOOD PROTECTION AND BEDLOAD CONTROL FROM THE TORRENT “KRENNGRABEN” Hydraulic modelling, Design of a retention basin for bedload and design of flood protection measures preparation of GIS elevation models
2010	Kronberg Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FROM SURFACE WATER AFTER HEAVY RAINFALLS FOR THE TOWN OF “KRONBERG” Hydrological modelling, design of a retention basin, surface drains and discharge systems preparation of GIS elevation models
2010	Erlauf Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FOR THE TOWN OF “ERLAUF” Designation and geo-referenced mapping of flood plains, designation of water depths during flood for prospective building projects, Flood Risk Assessment
2010	Reichenau Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FOR THE TOWN OF “REICHENAU” Designation and geo-referenced mapping of flood plains, designation of water depths during flood for prospective building projects

Date	Location	Client	Position	PROJECT TITLE Description of performed tasks
2009 - 2010	Gaweinstal Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FROM SURFACE WATER AFTER HEAVY RAINFALLS FOR THE TOWN OF "GAWEINSTAL" Hydrological modelling, design of a retention basins and discharge systems
2009	Martinsdorf Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FOR THE MUNICIPALITY OF "MARTINSDORF" Changes in an existing project Expert of flood protection, CAD, hydraulic engineering and environment
2009	Ulrichskirchen Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FLOOD PROTECTION FOR THE MUNICIPALITY OF "ULRICHSKIRCHEN" Hydrological and hydraulic modelling, other hydraulic calculations and river engineering
2009	Karlstein Austria	WA3 – Government of Lower Austria	Flood Protection Expert	FEASIBILITY STUDY FOR A FLOOD PROTECTION SYSTEM FOR THE TOWN OF "KARLSTEIN" Site investigation for retention basins, land use and soil classification, hydrological modelling and cost accounting

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