

COMPANY PROFILE



MATHEJACONSULT



Environment & Monitoring • Coastal & Port Engineering • Hydraulics



We invite you for an inside view into our consulting company's experience and expertise in **environment & water resource management, coastal & port engineering, hydraulics & numerical modelling** and **environmental monitoring**.

We are committed to the code of best practice and environmental sustainability to provide optimal solutions for our clients.

Therefore, we operate high-end equipment for measurements and compute numerical simulations on a flexible and powerful UNIX cluster for a suite of established simulation packages (2D and 3D) for coastal engineering, hydrodynamics and sediment transport.

With our 15 years of experience with partners and clients in the industry and in the public sector we can offer tailor-made solutions for your problems.

Just take a look at our projects!



Since 2007 we are located in our new office building in Wettmar near Hannover.

The 120 sqm of office, 30 sqm for presentation & training and the 120 sqm of work shop provide the ideal infrastructure for our work.



For more information visit our website:
www.matheja-consult.de



Curriculum Vitae – Dr. Andreas Matheja:

Education

- 1984 – 1991 Technical University of Hannover,
Civil Engineering, Specialization: Water
Resources Management, Coastal
Engineering, Hydraulics
Degree: Diploma
- 1991 – 1995 PHD-Thesis on "Long-term Management
of Conjunctive Use Systems by Embed-
ding Groundwater Quality into the Multi-
objective Decision Making Process "
Degree: Dr.-Ing.



Professional Life

- 03/1991 – 04/1994 Scientist, Institute for Water Resources Management, University of
Hannover
Research Projects:
*"Optimal Management of Surface and Underground Reservoirs for
Irrigation" (EU-Program STD2)*
*"Optimal Management of a Multi-Purpose Water Resources System
for Irrigation using Ground- and Surface Water Bodies" (German
Research Foundation - DFG)*
*"Setup and Operation of a numerical Groundwater Model for a deep
going Glacial System - - Ellerbecker Rinne" (Federal Government of
Schleswig-Holstein)*
- 08/1995 – 06/1996 Leader, Groundwater Modeling Group, Geo-Infometric GmbH
Projects:
Groundwater Modell Grumsmühlen Phase II (3D-Regional Modell)
*Planning and Building a deep going horizontal Well at the Veltruper
Feld*
*Planning and Construction of a Water Distribution Network for the
Veltruper Feld*
Groundwater Modell Brochterbeck (3D-Regional Modell)
- 07/1996 – 06/1997 Scientist, Franzius-Institute for Hydraulics, Waterways and Coastal
Engineering, University of Hannover
- 07/1997 – 06/2001 Scientific Assistant, Franzius-Institut
- 07/2001 – 11/2007 Senior Researcher, Franzius-Institut
- since 12/2007 Consultant in Hydraulics, Water Resource Management, Coastal
Engineering and Port Engineering



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Staff:

Director: Dr. Andreas Matheja

Scientific Staff: Dr. Gabriele Lamparter, MSc Karoline Lillie

Head Technician: Tobias Rothhardt; Technical staff: Peter Longerich

Plus additional external Staff on Request

Equipment:

Survey Equipment

2 x Trimble DGPS 5700 (one system with radio antenna), Trimble Ltd.

Trimble DGPS 5700 (with with radio antenna), Trimble Ltd.

Trimble DGPS R6 GPS/Glonass

Tachymetric Device Geodimeter 610 (Robotic), Trimble Ltd.

Computer Technology

7 Double-Prozessor PCs, each with 4 GB RAM

4 Quad Core PCs, each with 16 GB RAM for numerical simulations

18 Quad Core Cluster Nodes, each with 8 GB RAM for numerical simulations

File Server with 16 Terra Byte capacity

A0 colour printer, A3/A4 colour printer

Bearing Equipment

Boat for hydrographic surveys and measurements (L=3,5 m, zerlegbar, Tiefgang = 0,2 m, 18 PS Tomatsu, with trailer)

Boat for hydrographic surveys and measurements (L=6,5 m, Tiefgang = 0,8 m, 2 x 60 PS Mercury, with trailer) for estuaries

Ponton (2 x 4 m) for measurements

Multi- Freqeunce Single Beam Echo Sounder BBES 200/15, Dr. Fahrenholz Ltd.

Equipment for Flow Velocity Measurements

Current meter ZS 25GFA for shallow water, Höntzsch Inc.

Current meter M1 and M5, SEBA Hydrometrie Inc.

ADCP Stream Pro, RD Instruments Teledyne Inc.

ADCP Rio Grande Workhorse, RD Instruments Teledyne Inc.

Equipment of a typical gauging station maintained by our office

Turbidity probes, Titan model (CTM 131/CTD 60M), Sea & Sun Ltd*.

Pressure sensors for waves 10 Hz and 12 x Mini Diver, Eijkelkamp / Schlumberger Ltd.*

Pressure sensors Mini Diver, Eijkelkamp / Schlumberger Ltd.*

(*typically we have about 50 pieces in stock)

Software

GIS System ArcVIEW

AutoCAD Civil 3D (drwaing , model preparation, projecting)

Janet (model preparation, grid generation)

Hydrological numerical models

MIKE 11 (unlimited) (river basin management, water levels, discharge. water quality and sediment transport in rivers and estuaries)

with coupling of surface and ground water using Visual MODFLOW)

Visual MODFLOW (groundwater modelling)

HYDRO-AS_2D (currents, discharge, dambreak, floods) using Finite-Volume-Method – FVM)

MARINA-2D (hydrodynamics, morphodynamics in rivers, estuaries and coastal areas using Finite-Element-Method -FEM)

Delft3D – 2D/3D Modelle & Delft3D Flexible Mesh (hydrodynamics, morphodynamics in rivers, estuaries and coastal areas using Finite-Difference-Method – FDM)

Evaluation software

CGS AQUA Terra (coupling of AutoCAD & Mike 11)

WISKI, Kisters AG (hydrology and tidal statistics)

DiverOffice

Quinsy Version 8.0 (echo soundings)

Davit (visulaisation and analysis of model results of Marina)

R-Studio (statistical analysis)



Projects:

2017

2017-34: Water law procedure, Liebenau II, development of the compensation concept in the area of the "Speelsmoor", Harzwasserwerke GmbH

2017-33: Drilling mud pit Siedenburg II - Preliminary risk assessment, supplementary measurements of water level, discharge and conductivity, Arcadis Germany GmbH

2017-32: Extension of the A27 park Walsrode, estimation of groundwater recharge by measuring the runoff from the existing drainage system, City of Walsrode

2017-31: Extraction and analysis of water samples at various groundwater measuring points at the Thönse excavated lake, JRS GmbH & ENGE Kies & Recycling GmbH & Co KG

2017-30: Echo sounding of the bank and parts of the Kaltenweide excavated lake, Survey Office Mentz

2017-29: Compensation pool „Ahäuser Zuschlag“: Conversion of a stepped bottom ramp made of concrete box profiles into a continuous flat bed glide with gravel fill at the Puchgraben, Niedersächsische Landesforsten, Forstamt Ankum

2017-28: Setup and Operation of groundwater auf surface water gauges for a monitoring system in the area of Wittlage (Framework Contract). Wasserverband Wittlage.

2017-27: Simulation of the water levels at the River Welse for a 100-year flood with Delft3D Flexible Mesh. NLWKN Betriebsstelle Brake-Oldenburg.

2017-26: Determination of the scientific background of the available water resources for the water law procedure for the Water Works Graft, Delmenhorst (Framework Contract). Stadtwerke Delmenhorst GmbH.

2017-25: Sounding of the excavated lakes Hastrasee / Langenhagen, Wegeleben and Ringelheim. Hermann Wegener GmbH & Co. KG.

2017-24: Song Hau Power Plant, Block 1 – Simulation of 3D Fluid Dynamics and Temperature Distribution at Intake/Outfall, measurements to establish boundary conditions, sounding of the riverbed and numerical modelling with Delft3D Flexible Mesh. Envi Con & Plant Engineering GmbH.

2017-23: Setup and Operation of groundwater gauges for a monitoring system in the area of the Vinnhorster Graben (Framework Contract). Gerald Baumgarte.

2017-22: Setup of Gauges at the Ahlhorner Lakes (Water Works „Großenkneten“). Oldenburgisch Ostfriesischer Wasserverband.

2017-21: Numerical simulation of the dispersion of pollutants in the Lac de la Haute Sure reservoir using a three-dimensional hydronumeric mass transport model (phase II), Syndicat des Eaux du Barrage d'Esch sur Sure, Luxemburg.



2017-20: Setup and Operation of Gauges, Discharge Measurements and hydrological Analysis at the Creek „Große Süderbäke“ to calculate Infiltration/Exfiltration to the Aquifer System of the Water Works „Westerstede“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2017-19: Water law procedure „Fuhrberger Feld“: Longterm Simulation of Water Levels and Discharges for the River System of the “Fuhse-Wietze-Wulbeck-Basin” in a coupled Groundwater-Surface-Water Model (Framework Contract). Stadtwerke Hannover AG.

2017-18: Setup and Operation of a Gauge, Discharge Measurements and hydrological Analysis at the Billerbach, the Pisserbach and the Beeke (Framework Contract). UHV Obere Fuhse.

2017-17: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2017-16: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works “Annenheide” (Framework Contract). Stadtwerke Delmenhorst.

2017-15: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2017-14: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn /Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2017-13: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke” (Framework Contract). City of Burgwedel.

2017-12: Echo Sounding excavating lake „Immensen“ (Framework Contract). Gustav Lehmann Mörtel-, Sand- und Kieswerke GmbH.

2017-11: Monitoring Wietzen/Holte: Setup and Operation of Gauges and Measurement of Discharges and Water Quality (Framework Contract). Nienburger Geflügelspezialitäten, Zentral Office Oldenburger Geflügelspezialitäten GmbH & Co. KG (Wiesenhof).

2017-10: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.

2017-09: Operation of Gauges, Discharge Measurements and hydrological Analysis for several Creeks to calculate Water Balances for the Aquifer System of the Water Works “Holdorf” (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2017-08: Monitoring the Industrial Area „Große Schneede“: Operation of Gauges, Discharge Measurements and hydrological Analysis at „Ochsenmoorgraben“ (Framework Contract). Stadt Walsrode.

2017-07: Operation of Gauges, Discharge Measurements, Monitoring of Conductivity and Calculation of Infiltration/Exfiltration to Rivers and Creeks of the Coastal Aquifer System of the Water Works „Sandeler Möns“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.



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2017-06: Monitoring of Water Levels; Measurement of Discharges, hydrological Analysis and Calculation of Infiltration/Exfiltration to the Aquifer System of the Water Works "Thülsfelde" (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband and WV Hümmling.

2017-05: Operation of Gauges, Discharge Measurements and Calculation of Exfiltration/Infiltrations to Rivers in the Catchment of the Water Works „Düshorner Heide“ (Framework Contract). Wasserversorgungsverband Landkreis Fallingbostal.

2017-04: Monitoring of several excavating lakes at Steinwedel, Aligse and Röddensen (Framework Contract). ENGE Kies- und Recycling GmbH & Co. KG.

2017-03: Operation of Gauges, Discharge Measurements and hydrological Analysis at Creek „Ahlder Bach“ near Water Works „Ahld“ (Framework Contract). Trink- und Abwasserverband Bad Bentheim, Schüttdorf, Salzbergen, Emsbüren.

2017-02: Operation of Gauges, Discharge Measurements and Calculation of Water Balances for the Compensation Pools „Krickmeere/Forest Upjever“ near Schortens, „Wildenkiel/Forest Hochsolling“ near Neuhaus and „Grasgehege“ near Radbruch/Lüneburg“, Kleine Igelriede“ near Barrage Thülsfelde and „Ahlhorner Lakes“ near Ahlhorn (Framework Contract). Niedersächsische Landesforsten.

2017-01: Monitoring of Groundwater Levels; Water Quality and Echo Sounding of excavating lakes „Engensen“, „Kohlshorn“, „Ramlingen“ and „Wackerwinkel“ (Framework Contract). Löffler Sand- und Kieswerke GmbH.

2016

2016-34: Setup and Operation of groundwater auf surface water gauges for a monitoring system in the area of Wittlage (Framework Contract). Wasserverband Wittlage.

2016-33: Flood risk mitigation and water quality of gauges in Hannover. Stadtentwässerung Hannover.

2016-32: Simulation of the water levels at the River Welse for a 100-year flood with Delft3D Flexible Mesh. NLWKN Betriebsstelle Brake-Oldenburg.

2016-31: Determination of the scientific background of the available water resources for the water law procedure procedure for the Water Works Graft, Delmenhorst (Framework Contract). Stadtwerke Delmenhorst GmbH.

2016-30: 3D-flow measurements (ADCP) during a flood event ant the upper River Rhine between Constance-DE und Basel-CH. SEBA Hydrometrie GmbH & Co. KG.

2016-29: Sounding of the excavated lakes Hastrasee / Langenhagen, Wegeleben and Ringelheim. Hermann Wegener GmbH & Co. KG.

2016-28: Sounding of the harbor in Conakry, Guinea. INROS Lackner SE.

2016-27: Measurement of a groundwater gauges for the Waterworks "Munster-Bispingen". Stadtwerke Munster-Bispingen GmbH.



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2016-26: Song Hau Power Plant, Block 1 – Simulation of 3D Fluid Dynamics and Temperature Distribution at Intake/Outfall, measurements to establish boundary conditions, sounding of the riverbed and numerical modelling with Delft3D Flexible Mesh. Envi Con & Plant Engineering GmbH.

2016-25: Setup and Operation of groundwater gauges for a monitoring system in the area of the Vinnhorster Graben (Framework Contract). Gerald Baumgarte.

2016-24: Extension of the Wind Farm „Karstädt-Blüthen-Premelin“: Design of a Crane Habitat near Strehlen (Compensation Measure). Windplan Blüthen-Waterloo GmbH & Co. KG.

2016-23: Setup of Gauges at Ahlhorner Lakes (Water Works „Großenkneten“). Oldenburgisch Ostfriesischer Wasserverband.

2016-22: Echo Sounding, Measurement of Water Levels, ADCP Current Measurements and Setup a Water Balance for the Barrage „Lac de la Haute Sure“. Syndicat des Eaux du Barrage d’Esch sur Sure, Luxemburg.

2016-21: Setup and Operation of Gauges, Discharge Measurements and hydrological Analysis at the Creek „Große Süderbäke“ to calculate Infiltration/Exfiltration to the Aquifer System of the Water Works „Westerstede“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2016-20: Water law procedure „Fuhrberger Feld“: Longterm Simulation of Water Levels and Discharges for the River System of the “Fuhse-Wietze-Wulbeck-Basin” in a coupled Groundwater-Surface-Water Model (Framework Contract). Stadtwerke Hannover AG.

2016-19: Setup and Operation of a Gauge, Discharge Measurements and hydrological Analysis at Billerbach (Framework Contract). UHV Obere Fuhse.

2016-18: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2016-17: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works “Annenheide” (Framework Contract). Stadtwerke Delmenhorst.

2016-16: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2016-15: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn /Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2016-14: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke” (Framework Contract). City of Burgwedel.

2016-13: Echo Sounding excavating lake „Immensen“ (Framework Contract). Gustav Lehmann Mörtel-, Sand- und Kieswerke GmbH.

2016-12: Monitoring Wietzen/Holte: Setup and Operation of Gauges and Measurement of Discharges (Framework Contract). Nienburger Geflügelspezialitäten, Central Office Oldenburger Geflügelspezialitäten GmbH & Co. KG (Wiesenhof).



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2016-11: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.

2016-10: Operation of Gauges, Discharge Measurements and hydrological Analysis for several Creeks to calculate Water Balances for the Aquifer System of the Water Works “Holdorf” (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2016-09: Monitoring the Industrial Area „Große Schneede“: Operation of Gauges, Discharge Measurements and hydrological Analysis at „Ochsenmoorgraben“ (Framework Contract). Stadt Walsrode.

2016-08: Operation of Gauges, Discharge Measurements, Monitoring of Conductivity and Calculation of Infiltration/Exfiltration to Rivers and Creeks of the Coastal Aquifer System of the Water Works „Sandeler Möns“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2016-07: Monitoring of Water Levels; Measurement of Discharges, hydrological Analysis and Calculation of Infiltration/Exfiltration to the Aquifer System of the Water Works “Thülsfelde” (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband and WV Hümmling.

2016-06: Operation of Gauges, Discharge Measurements and Calculation of Exfiltration/Infiltrations to Rivers in the Catchment of the Water Works „Düshorner Heide“ (Framework Contract). Wasserversorgungsverband Landkreis Fallingb. b. d. L.

2016-05: Monitoring of several excavating lakes at Steinwedel, Aligse and Röddensen (Framework Contract). ENGE Kies- und Recycling GmbH & Co. KG.

2016-04: Operation of Gauges, Discharge Measurements and hydrological Analysis at Creek „Ahlder Bach“ near Water Works „Ahld“ (Framework Contract). Trink- und Abwasserverband Bad Bentheim, Schüttdorf, Salzbergen, Emsbüren.

2016-03: Operation of Gauges, Discharge Measurements and Calculation of Water Balances for the Compensation Pools „Krickmeere/Forest Upjever“ near Schortens, „Wildenkiel/Forest Hochsolling“ near Neuhaus and „Grasgehege“ near Radbruch/Lüneburg“, „Kleine Igelriede“ near Barrage Thülsfelde and “Ahlhorner Lakes” near Ahlhorn (Framework Contract). Niedersächsische Landesforsten.

2016-02: Monitoring of Groundwater Levels; Water Quality and Echo Sounding of excavating lakes „Engensen“, „Kohlshorn“, „Ramlingen“ and “Wackerwinkel” (Framework Contract). Löffler Sand- und Kieswerke GmbH.

2016-01: Long term Monitoring of Water Levels at “Trunnenmoor” (Swamp) (Framework Contract). National Fond for Nature (NABU) – Office Burgwedel.

2015

2015-29: Extension of the Offshore Basis Cuxhaven: Calculation of Current Velocities in the Elbe Estuary between Großer Vogelsand and Brunsbüttel to simulate Ship Manoeuvring in the Ship Simulator of MTC/Hamburg: Niedersachsen Ports GmbH & Co. KG.



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2015-28: Setup of Gauges at Ahlhorner Lakes (Water Works „Großenkneten“). Oldenburgisch Ostfriesischer Wasserverband.

2015-27: Echo Sounding, Measurement of Water Levels, ADCP Current Measurements and Setup a Water Balance for the Barrage „Lac de la Haute Sure“. Syndicat des Eaux du Barrage d’Esch sur Sure, Luxemburg.

2015-26: Setup and Operation of Gauges, Discharge Measurements and hydrological Analysis at the Creek „Große Süderbäke“ to calculate Infiltration/Exfiltration to the Aquifer System of the Water Works „Westerstede“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2015-25: Water law procedure „Fuhrberger Feld“: Longterm Simulation of Water Levels and Discharges for the River System of the “Fuhse-Wietze-Wulbeck-Basin” in a coupled Groundwater-Surface-Water Model (Framework Contract). Stadtwerke Hannover AG.

2015-24: Water law procedure „Burgdorfer Holz“: Additional hydrological Investigations for the River „Seebeeke“ to optimize Groundwater Management and available Water Resources. Wasserverband Peine.

2015-23: Setup and Operation of a Gauge, Discharge Measurements and hydrological Analysis at Billerbach (Framework Contract). UHV Obere Fuhse.

2015-22: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2015-21: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works “Annenheide” (Framework Contract). Stadtwerke Delmenhorst.

2015-20: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2015-19: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn /Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2015-18: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke“ (Framework Contract). City of Burgwedel.

2015-17: Echo Sounding Mining Pit „Immensen“ (Framework Contract). Gustav Lehmann Mörtel-, Sand- und Kieswerke GmbH.

2015-16: Monitoring Wietzen/Holte: Setup and Operation of Gauges and Measurement of Discharges (Framework Contract). Nienburger Geflügelspezialitäten, Zentral Office Oldenburger Geflügelspezialitäten GmbH & Co. KG (Wiesenhof).

2015-15: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.



2015-14: Operation of Gauges, Discharge Measurements and hydrological Analysis for several Creeks to calculate Water Balances for the Aquifer System of the Water Works "Holdorf" (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2015-13: Measurement of Water Levels, Discharges and River Cross Sections to setup and calibrate a Groundwater Model for the Aquifer System of the Water Works "Haren". Trink- und Abwasserverband „Bourtanger Moor“

2015-12: Monitoring the Industrial Area „Große Schneede“: Operation of Gauges, Discharge Measurements and hydrological Analysis at „Ochsenmoorgraben“ (Framework Contract). Stadt Walsrode.

2015-11: Measurement of Water Levels, Discharges and River Cross Sections to setup and calibrate a Groundwater Model for the Aquifer System of the Water Works "Haselünne". Trink- und Abwasserverband „Bourtanger Moor“

2015-10: Extension of the Wind Farm „Karstädt-Blüthen-Premplin“: Design of a Crane Habitat near Strehlen (Compensation Measure). Windplan Blüten-Waterloo GmbH & Co. KG.

2015-09: Monitoring of Water Levels; Measurement of Discharges, hydrological Analysis and Calculation of Infiltration/Exfiltration to the Aquifer System of the Water Works "Thülsfelde" (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband and WV Hümmling.

2015-08: Echo Sounding of the Mining Pit „Schliekum“. Hermann Wegener GmbH & Co. KG.

2015-07: Operation of Gauges, Measurement of Discharges and Conductivity and Calculation of Infiltration/Exfiltration to the Coastal Aquifer of the Water Works „Sandeler Möns“ (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2015-06: Operation of Gauges, Discharge Measurements and Calculation of Exfiltration/Infiltrations to Rivers in the Catchment of the Water Works „Düshorner Heide“ (Framework Contract). Wasserversorgungsverband Landkreis Fallingb. b. d. A.

2015-05: Monitoring of several Mining Pits at Steinwedel, Aligse and Röddensen (Framework Contract). ENGE Kies- und Recycling GmbH & Co. KG.

2015-04: Operation of Gauges, Discharge Measurements and hydrological Analysis at Creek „Ahlder Bach“ near Water Works „Ahldede“ (Framework Contract). Trink- und Abwasserverband Bad Bentheim, Schüttdorf, Salzbergen, Emsbüren.

2015-03: Operation of Gauges, Discharge Measurements and Calculation of Water Balances for the Compensation Pools „Krickmeere/Forest Upjever“ near Schortens, „Wildenkiel/Forest Hochsolling“ near Neuhaus and „Grasgehege“ near Radbruch/Lüneburg“, „Kleine Igelriede“ near Barrage Thülsfelde and „Ahlhorner Lakes“ near Ahlhorn (Framework Contract). Niedersächsische Landesforsten.

2015-02: Monitoring of Groundwater Levels; Water Quality and Echo Sounding of Mining Pits „Engensen“, „Kohlshorn“, „Ramlingen“ and „Wackerwinkel“ (Framework Contract). Löffler Sand- und Kieswerke GmbH.

2015-01: Longterm Monitoring of Water Levels at "Trunnenmoor" (Swamp) (Framework Contract). National Fond for Nature (NABU) – Office Burgwedel.



2014

2014-27: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer "Fuhse/Wietze" (Framework Contract). Stadtwerke Hannover AG.

2014-26: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works "Annenheide" (Framework Contract). Stadtwerke Delmenhorst.

2014-25: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2014-24: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn /Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2014-23: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke“ (Framework Contract). City of Burgwedel.

2014-22: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.

2014-21: Monitoring Wietzen/Holte: Setup and Operation of Gauges and Measurement of Discharges (Framework Contract). Nienburger Geflügelspezialitäten, Zentral Office Oldenburger Geflügelspezialitäten GmbH & Co. KG (Wiesenhof).

2014-20: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase IX: Implementation of privileged Measures. Stadtwerke Hannover AG.

2014-19: Operation of Gauges, Discharge Measurements and hydrological Analysis for several Creeks to calculate Water Balances for the Aquifer System of the Water Works "Holdorf" (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2014-18: Measurement of Water Levels and Discharges in Rivers and Creeks to setup and calibrate a Groundwater Model for the Aquifer System of the Water Works "Haren". Trink- und Abwasserverband „Bourtanger Moor“

2014-17: Design of Countermeasures against Bridge Scour of 2nd River Niger Bridge in Asaba-Onitsha/Nigeria –Phase II – „Incremental Concrete Launching Bridge“. Julius Berger International GmbH.

2014-16: Monitoring Industrial Area „Große Schneede“: Operation of Gauges, Discharge Measurements and hydrological Analysis at „Ochsenmoorgraben“ (Framework Contract). Stadt Walsrode.

2014-15: Measurement Campaigns in Dry and Rainy Season (Echo Sounding, Water Levels, Discharges by ADCP, Sediment Diameters) and Setup, Calibration and Operation of a 3D Sediment Transport Model (DELFT3D) to calculate Scour near Bridge Piers of the 2nd River Niger Bridge in



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Asaba-Onitsha/Nigeria –Phase II – „Incremental Concrete Launching Bridge“. Julius Berger International GmbH.

2014-14: Measurement of Water Levels and Discharges in Rivers and Creeks to Setup a Groundwater Model for the Aquifer System of the Water Works „Haselünne“. Trink- und Abwasserverband „Bourtanger Moor“

2014-13: Monitoring of Water Levels; Measurement of Discharges, hydrological Analysis and Calculation of Infiltration/Exfiltration to the Aquifer System of the Water Works “Thülsfelde” (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband and WV Hümmling.

2014-12: Echo Sounding of the Mining Pit „Wietzensee“. Hermann Wegener GmbH & Co. KG.

2014-11: Federal Ministry of Education and Research: Project NAWAK: Measurement of Water Levels and Discharges to calculate Infiltration/Exfiltration to the Coastal Aquifer of the Water Works „Sandeler Möns“, Monitoring of Conductivity and Setup a Modeling Framework for the River System. Oldenburgisch Ostfriesischer Wasserverband.

2014-10: Measurement of Water Levels and Discharges to calculate Infiltration/Exfiltration for the Aquifer System of the Water Works „Walsrode“. Stadtwerke Böhmetal GmbH.

2014-09: Echo Sounding of the Mining Pit „Negenborn“. GP Günter Papenburg AG.

2014-08: Setup of a 3D hydronumerical Model (DELFT 3D) and Simulation of Scour near Bridge Piers of the 2nd River Niger Bridge in Asaba-Onitsha/Nigeria –Phase II – „Incremental Concrete Launching Bridge“. Julius Berger International GmbH.

2014-07: Setup and Operation of Gauges, Discharge Measurements and Calculation of Exfiltration/Infiltrations to Rivers in the Catchment of the Water Works „Düshorner Heide“. Wasserversorgungsverband Landkreis Fallingbostal.

2014-06: Monitoring of several Mining Pits at Steinwedel, Aligse and Röddensen (Framework Contract). ENGE Kies- und Recycling GmbH & Co. KG.

2014-05: Operation of Gauges, Discharge Measurements and hydrological Analysis at Creek „Ahlder Bach“ near Water Works „Ahld“ (Framework Contract). Trink- und Abwasserverband Bad Bentheim, Schüttdorf, Salzbergen, Emsbüren.

2014-04: Calculation of Mass Balances for the Feasibility Study „Re-Connection of the Wrauster Meander to the River Elbe“. Stiftung Lebensraum Elbe e.V.

2014-03: Operation of Gauges, Discharge Measurements and Calculation of Water Balances for the Compensation Pools „Krickmeere/Forest Upjever“ near Schortens, „Wildenkiel/Forest Hochsolling“ near Neuhaus and „Grasgehege“ near Radbruch/Lüneburg“ (Framework Contract). Niedersächsische Landesforsten.

2014-02: Monitoring of Groundwater Levels; Water Quality and Echo Sounding of Mining Pits „Engensen“, „Kohlshorn“, „Ramlingen“ and „Wackerwinkel“ (Framework Contract). Löffler Sand- und Kieswerke GmbH.



2014-01: Longterm Monitoring of Water Levels at "Trunnenmoor" (Swamp) (Framework Contract). National Fond for Nature (NABU) – Office Burgwedel.

2013

2013-19: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer "Fuhse/Wietze" (Framework Contract). Stadtwerke Hannover AG.

2013-18: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works "Annenheide" (Framework Contract). Stadtwerke Delmenhorst.

2013-17: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2013-16: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn/Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2013-15: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke“ (Framework Contract). City of Burgwedel.

2013-14: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.

2013-13: Monitoring Wietzen/Holte: Setup and Operation of Gauges and Measurement of Discharges (Framework Contract). Nienburger Geflügelspezialitäten, Zentral Office Oldenburger Geflügelspezialitäten GmbH & Co. KG (Wiesenhof).

2013-12: Simulation of Water Levels and Current Velocities for different Extreme Events and Design of Protection Measures for Abutments, Revetments, Bridge Foundations and Ramps at 2nd River Niger Bridge in Asaba-Onitsha/Nigeria. Julius Berger International GmbH.

2013-11: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“– Phase VIII: Implementation of privileged Measures. Stadtwerke Hannover AG.

2013-10: Setup and Operation of Gauges and Measurement of Discharges at "Wildenkiel" near Neuhaus/Solling. Lower Saxony State Forests.

2013-09: Echo Sounding of a Mining Pit near Immensen. Gustav Lehmann Mörtel-, Sand- und Kieswerke GmbH.

2013-08: Monitoring of several Mining Pits at Steinwedel, Aligse and Röddensen (Framework Contract). ENGE Kies- und Recycling GmbH & Co. KG.

2013-07: Setup and Operation of Gauges, Measurement of Discharges and Calculation of Discharges for a Water Balance at „Grasgehege“ near Radbruch/Lüneburg. Lower Saxony State Forests.

2013-06: Setup of a hydronumerical 3D Model (DELFT 3D) and Simulation of Bridge Scour for the 2nd River Niger Bridge at Asaba-Onitsha/Nigeria. Julius Berger International GmbH.



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2013-05: Setup and Operation of Gauges, Measurement of Discharges and Calculation of a Water Balance for „Krickmeere“ at Forest Upjever near Schortens. Lower Saxony State Forests.

2013-04: ADCP Measurements at three pre-evaluated Sites for an In-Stream River Turbine at the River Nile / Uganda downstream Haven Falls. KSB AG.

2013-03: Setup and Operation of Gauges and Evaluation of different Variants for a Revitalization of „Kreuzholzmoor“ near Rehburg-Loccum. Lower Saxony State Forests.

2013-02: Feasibility Study for the Revitalization of Wrauster Bogen at the River Elbe downstream Geesthacht – Setup of a hydrodynamic 3D Model and Optimization of different Alternatives. Stiftung Lebensraum Elbe e.V..

2013-01: Compensation Pool „Nienburger Bruch“: Feasibility Study for a Revitalization of „Bärenfallgraben“. Lower Saxony State Forests.

2012

2012-16: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer „Fuhse/Wietze“ (Framework Contract). Stadtwerke Hannover AG.

2012-15: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works „Annenheide“ (Framework Contract). Stadtwerke Delmenhorst.

2012-14: Operation of Gauges and hydrological Analysis at the Rivers „Wulbeck“ and „Wietze“ (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2012-13: Operation of Gauges, Discharge Measurements and hydrological Analysis for the Water Works „Ahlhorn /Denghauser Mühlbach“ (Framework Contract). Agrarfrost GmbH & Co. KG.

2012-12: Operation of Gauges, Discharge Measurements, hydrological Analysis and Calculation of Infiltration/Exfiltration in Rivers for the Water Works „Burgdorfer Holz“ (Framework Contract). Wasserverband Peine.

2012-11: Echo Sounding of the Sand Pit „Engensen“. Ingenieur- und Vermessungsbüro Drecoll.

2012-10: Operation of Gauges, Discharge Measurements and hydrological Analysis for the River „Hengstbeeke“ (Framework Contract). City of Burgwedel.

2012-09: Setup and Operation of Gauges, Measurement and Calculation of Discharges at „Grasgehege“. Lower Saxony State Forests.

2012-08: Echo Sounding of several Lakes near Aligse, Kolshorn und Engensen. Ingenieur- und Vermessungsbüro Drecoll.

2012-07: Setup and Operation of Gauges, Measurement and Calculation of Discharges at „Großes Holz“. Lower Saxony State Forests.



MATHEJACONSULT

2012-06: ADCP Measurements at potential Sites for an In-Stream River Turbine at the River Nile / Uganda downstream Jinja near Haven Falls. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

2012-05: River Bed and Shore Protection for Sagbama at Forcados River / Nigeria – Prestudy with Preliminary Data. Julius Berger International GmbH.

2012-04: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“– Phase VII: Implementation of privileged Measures. Stadtwerke Hannover AG.

2012-03: Development, Setup and Operation of a Offshore Platform to measure Wave Heights, Tidal Water Levels and climate Data near Borkum. Patzold, Köbke und Partner Engineers / EWE AG.

2012-02: Evaluation of potential Sites for an In-Stream River Turbine at the River Nile / Uganda downstream Jinja near Haven Falls. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

2012-01: Setup and Operation of 2 Gauges at Deelschlot (Framework Contract). Oldenburgisch-Ostfriesischer Wasserverband and Wasserverband Hümmling.

2011

2011-14: Operation of Gauges, Discharges Measurements, hydrological and statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2011-13: Operation of Gauges, Discharge Measurements, hydrological and statistical Analysis for the Aquifer System of the Water Works “Annenheide” (Framework Contract). Stadtwerke Delmenhorst.

2011-12: Sediment Transport and Hydrodynamics in the Elbe Estuary between Geesthacht and Scharhörn after Construction of DOW Jetty near Stade. Ports of Lower Saxony GmbH & Co KG.

2011-11: Setup, Operation and Statistical Analysis of 3 Gages - WW Nethen (Framework Contract). Oldenburgisch Ostfriesischer Wasserverband.

2011-10: Setup, Operation and Statistical Analysis of 3 Gages - WW Burgdorfer Holz (Framework Contract). Wasserverband Peine.

2011-09: Discharge Measurements at Ems-Jade-Canal. Niedersachsen Wasser Kooperations- und Dienstleistungsgesellschaft mbH.

2011-08: Monitoring of Water Levels at the River Hengstbeeke (Framework Contract). City of Burgwedel.

2011-07: Alternatives for River Bed Development at the River „Seebeck“ near Well III. Wasserversorgungsverband Landkreis Fallingb. b. d. See.

2011-06: Setup and Operation of 2 Gauges at Denghauser Mühlbach (Framework Contract). Agrarfrost GmbH & Co. KG.



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2011-05: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase VI: Implementation of privileged Measures. Stadtwerke Hannover AG.

2011-04: Setup and Operation of 2 Gauges at Wulbeck and Wietze (Framework Contract). Unterhaltungsverband Nr. 46 „Wietze“.

2011-03: Monitoring of Currents in the Entrance of Amerikahafen using a horizontal ADCP moving over the water depth. Ports of Lower Saxony GmbH & Co KG.

2011-02: Monitoring of Water Levels at Dünsener Bach (Framework Contract). Stadtwerke Delmenhorst.

2011-01: ADCP-measurements near Offshore-Berth 1 at CT1 / RWE Baustelle - Bremerhaven. Sterk Spezialtiefbau GmbH.

2010

2010-16: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2010-15: Optimization of Drainage and Weir Operation for the Flood Polder „Klein Ilsede“. Unterhaltungsverband „Obere Fuhse“.

2010-14: Variation of Water Levels after Revitalization of River Banks at the River Eiter between Holschenböhl and L331. Mittelweserverband.

2010-13: Longterm Monitoring of Water Levels at “Trunnenmoor” (Swamp). National Fond for Nature (NABU) – Office Burgwedel.

2010-12: Transport and Drift of Fish Spawn in the River Elbe. DOW Deutschland Anlagengesellschaft mbH and E.ON Kraftwerke GmbH.

2010-11: Simulation of Currents in the River Elbe between Rhinplate and Lühesand for Ship Handling Simulation (CAPESIZE and BULK CARRIER-Elbe_{max}) at the Jetty of DOW Anlagengesellschaft mbH. Niedersachsen Ports GmbH & Co. KG.

2010-10: Wetland “Michelsweg” near Nienhagen. Ingenieurbüro Baarck.

2010-09: ADCP-measurements at “Amerikahafen” and in the Entrance of “Fischereihafen” to improve Maintenance Dredging by Water Injection. Ports of Lower Saxony GmbH & Co KG.

2010-08: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase V: Implementation of privileged Measures. Stadtwerke Hannover AG.

2010-07: Extension of Europakai / Berth 4 considering Berths 8 and 9 – Simulation of Tidal Currents. Ports of Lower Saxony GmbH & Co KG.

2010-06: Setup, Operation and Statistical Analysis of Groundwater Gauges. Stadtwerke Delmenhorst GmbH.



2010-05: Industrial Power Plant of DOW Deutschland Anlagengesellschaft mbH at Stade/Bützfleth – Hydrodynamic Effects and Impact on Sediment Transport – „Raumordnungsverfahren“. DOW Deutschland Anlagengesellschaft mbH.

2010-04: Setup, Operation and Statistical Analysis of 5 Gauges at River Hengstbeeke. Stadt Burgwedel.

2010-03: Report on Impacts of an intense Rainfall at the Crossing of B226 / DB Bochum-Langendreer/Witten at 07/21/2003. Westfälische Provinzial Versicherung AG.

2010-02: Revitalization of Wiesenbach. City of Isernhagen.

2010-01: Impact of the Sewage Plant Wettmar on Water Levels at Hengstbeeke – Monitoring and hydrodynamic Simulation. City of Burgwedel.

2009

2009-16: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer „Fuhse/Wietze“ (Framework Contract). Stadtwerke Hannover AG.

2009-15: Monitoring of deep going Vessels (POSTPANMAX and Bulkers) at Berth 8 near Cuxhaven. Ports of Lower Saxony GmbH & Co. KG.

2009-14: Transient Simulation of Bridge Scour at Osborne Bridge Lagos /Nigeria. Bilfinger & Berger Group.

2009-13: Flood Risk (HQ₁₀₀-Event) at Eschbach, Bargeriede, Kienmoorgraben, Aldorfer Bach, Flöthe, Streekfleet and Uchter Mühlenbach. NLWKN, Office Sulingen.

2009-12: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase IV: Implementation of privileged Measures. Stadtwerke Hannover AG.

2009-11: Consultancy for the Implementation of River Information Services in Inland Navigation. Kisters AG.

2009-10: Lomé Container Terminal – Longterm Morphodynamic Analysis for a Breakwater for Longshore Currents and their Interaction with Waves. INROS Lackner AG.

2009-09: Re-Substitution of Groundwater used for Irrigation by Infiltration. Agricultural Council of Lower Saxony.

2009-08: Design of a Damm in the River Wulbeck to reactivate „Wulbecksgrabens“ - Monitoring of Water Levels and Discharge (2009-2012). Enercity AG.

2009-07: Simulation of Currents in the River Elbe in Front of Berth 9 / Cuxhaven for Ship Handling Simulation. Ports of Lower Saxony GmbH & Co. KG.

2009-06: Morphological Development near Berth 9 at Offshore Basis Cuxhaven. Ports of Lower Saxony GmbH & Co. KG.

2009-05: ADCP-Measurements and Site Inspection for River Turbines in the River Rhine. KSB AG.

2009-04: Swell and Surge at Berth 9 at the Offshore Basis Cuxhaven for special Quai Variants. F + Z Baugesellschaft mbH.



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2009-03: ADCP-Measurements, Water Level Measurements and Echo Soundings at Hydro Electric Power Plants Inga I + II / Democratic Republic of Kongo. Fichtner GmbH & Co. KG.

2009-02: Variation of Water Levels in the River Hengstbeeke after Extension of Sewage Plant Burgwedel. City of Burgwedel.

2009-01: Flood Risk (HQ₁₀₀-Event) at Flachs bäke, Randgraben, Huntloser Bach, Dünsener Bach, Heidkruger Bäke, Berne, Kimmer Bäke and Welse. NLWKN – Office Oldenburg.

2008

2008-18: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer "Fuhse/Wietze" (Framework Contract). Stadtwerke Hannover AG.

2008-17: Messung von Hochwasserabflüssen an Wulbeck und Wietze. Stadtwerke Hannover AG.

2008-16: Parking Place Baumaschinen Könicke – Dimensioning of the Drainage System. Baumaschinen Könicke.

2008-15: Risk Potential of a HQ₁₀₀-Flood in the River Aller near Winsen/Aller. City of Winsen/Aller.

2008-14: Risk Potential of a HQ₁₀₀ Flood in the River Aller near Hambühren. Gemeinde Hambühren.

2008-13: Spreading of cleaned Waste Water in the Hamme-Lesum Estuary near Ritterhude. Public Services Osterholz-Scharmbeck GmbH.

2008-12: Measurement of Water Levels and Discharges (11 Locations) in the Wietze Catchment. Stadtwerke Hannover AG.

2008-11: Simulation of Currents and Water Levels for a Revitalization of a meandering stretch of the River Wietze near Langenhagen / Wietze Park. Community of Isernhagen.

2008-10: Design of a dynamic Mooring System for Waves induced by passing POSTPANMAX Ships for Berth K1 at Stade-Bützfleth. Electrabel Deutschland AG.

2008-09: Masterplan „River Wietze“. Unterhaltungsverband Nr: 46 „Wietze“.

2008-08: Redirection of Waste Water Treatment Plants Engensen, Thönse, Wettmar to the Waste Water Treatment Plant Burgwedel – Influences on Water Levels of Hengstbeeke, Wulbeck and Burgwedel – Masterplan "Waste Water Treatment Burgwedel". City of Burgwedel.

2008-07: Morphodynamics at a temporary Sheet Pile Wall near the Entrance of the Offshore Basis Port Cuxhaven – Construction Phase. F+Z Baugesellschaft mbH, Bilfinger & Berger Group.

2008-06: Waves and Currents in the Entrance of the Offshore Basis Hafen Cuxhaven during the Passage of fast going Ships (POSTPANMAX Ships and Bulk Carrier). Ports of Lower Saxony GmbH & Co. KG.



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2008-05: Influence of a Redirection of Discharges from the Waste Water Treatment Plant Wettmar on Water Levels in Trunnenmoor. City of Burgwedel.

2008-04: Regional Management of Climate Change in the Metropolregion Hannover-Braunschweig-Göttingen. Enercity AG and German Ministry of Education and Research.

2008-03: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase III: Implementation of privileged Measures. Wasserverband Peine.

2008-02: Morphological Development in the Entrance of the Offshore Basis Port Cuxhaven – Stability Breakwater “East”. Ports of Lower Saxony GmbH & Co. KG.

2008-01: Mixing and Temperature Distribution of Cooling Water at the Outlet of the Power Plant Dörpen / Ems River. BKW FMB Energie AG/Bern and ENBW AG/Stuttgart.

2007

2007-08: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2007-07: Water Levels and Discharges at Ehlbeekgraben – Phase I. City of Burgwedel.

2007-06: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“ – Phase II: Transient Simulation of Measures. Wasserverband Peine.

2007-05: Simulation of Currents in the River Elbe in Front of Berth 8 / Cuxhaven for Ship Handling Simulation. Ports of Lower Saxony GmbH & Co. KG.

2007-04: Morphodynamic Simulation for Berth 8 at Offshore Basis Cuxhaven. Ports of Lower Saxony GmbH & Co. KG.

2007-03: ADCP-Measurements in the River Elbe near Stadersand. Ports of Lower Saxony GmbH & Co. KG.

2007-02: Two-Frequency Echo Sounding of the Lake „Steinhuder Meer“. Domänenamt Hannover.

2007-01: Mixing and Distribution of Cooling Water in the River Elbe and River Schwinge near Power Plant Stadersand. E.ON Kraftwerke GmbH.

2006

2006-12: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2006-11: Calculation of Flood Levels at the River Wietze. Region Hannover.



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2006-10: Measurement of Embankments and Bathymetry of the River Wörpe between Heidberger Straße and Grasberg. WBV Teufelsmoor.

2006-09: Echo Sounding of the River Leine at Culverts Letter, Marienwerder and Lohnde and Simulation of Bed Stability. Stadtentwässerung Hannover.

2006-08: Simulation of Flood Levels in the River Weser – Identification of potential Risk. County of Nienburg/Weser.

2006-07: Operational Monitoring and Integrated Operation of Pumping from the Groundwater System „Fuhse-Wietze“– Phase I: Development of Measures. Wasserverband Peine.

2006-06: Measurement of Topography and Bathymetry at Hengstbeeke and Rixförder Graben. Enercity AG.

2006-05: Revitalization and Dewatering River Banks of the River Wietze near Langenhagen – Simulation of Water Levels and Monitoring of Surface Water Levels, Discharges and Groundwater Levels. Stadt Langenhagen.

2006-04: Measurement of Water Levels at NNQ for the Catchment of the River Wietze. Stadtwerke Hannover AG.

2006-03: Measurement of Topography and Bathymetry in the Inland Delta of the River Wümme. Unterhaltungsverband Untere Wümme.

2006-02: Discharge Capacity of the Outlet System at Purification Plant „Thönse“. City of Burgwedel.

2006-01: Reduction of Sedimentation and Maintenance Dredging at Jetty 1, 1a, 2 and 3. Wilhelmshavener Raffeneriegesellschaft GmbH & Co KG.

2005

2005-08: Operation of Gauges, Discharges Measurements, Statistical Analysis and Calculation of Infiltration/Exfiltration for Groundwater Aquifer “Fuhse/Wietze” (Framework Contract). Stadtwerke Hannover AG.

2005-07: River Bed / Shore Protection for Gbaran / Ubie Plant at Nun River / Nigeria. Bilfinger & Berger Bauaktiengesellschaft, Auslandsbereich HNL-Nigeria.

2005-06: Echo Sounding the digging „BAB-Abfahrt Braunschweig Hafen“ and Calculation of rest-volume. August Kahlfeldt & Co.

2005-05: Simulation of Flood Levels at the River Aller between Flettmar and Weir Celle. Regional Administration of Lüneburg.

2005-04: Intensity and Distribution of Rainfall at Flaesheim/Arenbergstraße / 02.05.1998. Landesbetrieb Straßenbau Nordrhein-Westfalen.

2005-03: Discharge Capacity of the River Hamme. Wasser- und Bodenverband Teufelsmoor.



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2005-02: Protection of National Parks (GR-Gebiet) „Hammeniederung“ – Implementation of Measures for Biodiversity – „Breites Wasser“ and „Altarme“. County of Osterholz-Scharmbeck.

2005-01: 2-Frequency Echo Sounding of the River Hamme / 22 km. Wasser- und Bodenverband Teufelsmoor.

2004

2004-06: Evaluation of the Report “Flood Protection for Celle Region”: Rahmenentwurf der Stadt Celle, Teil I: Gesamtplanung und Teil II: Hydraulische Berechnung in der 11. Ausfertigung vom Februar 2002. Administrations of Flotwedel, Hambühren, Winsen/Aller and Wietze.

2004-05: Reasons for Flood Risks and Damages in „Südohe Winsen (Aller), Bebauungsplan Nr. 9. City of Winsen/Aller.

2004-04: Flood Plain Estimation and Runoff Capacity at Südohe and Westohe. City of Winsen/Aller.

2004-03: Hydraulic Engineering for two Bridges crossing the River Wietze. City of Langenhagen.

2004-02: Evaluation of the Report “Flood Protection for Region Celle”: 1. Planfeststellungsabschnitt von Boye bis zur Fuhsemündung, Teil I: Gesamtplanung und Teil II: Hydraulische Berechnung in der 4. Ausfertigung vom August 2003. Administrations of Flotwedel, Hambühren, Winsen/Aller and Wietze.

2004-01: Feasibility Study for Sustainable and Efficient Flood Management of the River Aller. Administrations of Flotwedel, Hambühren, Winsen/Aller and Wietze.

2003

2003-01: Scour Protection for TOMBIA – Bridge at NUN River / Nigeria. Bilfinger & Berger Bauaktiengesellschaft, Auslandsbereich HNL-Nigeria.

2001

2001-03: Horizontal Accuracy of Dredging at BAB A7 – New Elbe Tunnel (1. - 3. Pipe) – Building of a Guiding Construction for Anchor Losses. Heinrich Hirdes GmbH.

2001-02: Measures against Sedimentation in the Branch Roheide of the River Ems. City of Meppen.

2001-01: Possibilities and Economic Perspectives for a Containerterminal in Minden. Mindener Versorgungs- und Verkehrs GmbH.

2000

2000-01: Influence of Sand and Gravel Exploration on Floods in the River Leine near Schlickum – Schulenberg. Ingenieurbüro Dr.-Ing V. Patzold.



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1999

1999-01: Minimization of Air Inflow in a Storage System of a Hopper-Dredger. Krupp-Fördertechnik GmbH & Co KG.



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Development of the River Saar between GÜdingen and Konz since Usage for Inland Navigation. Federal Institute of Hydrology - Koblenz. Franzius-Institute for Hydraulics and Coastal Engineering, University of Hannover.

Design and Optimization of Ground Sills In the River Aller. Agency for the Construction of – MLK Minden. Franzius-Institute for Hydraulics and Coastal Engineering, University of Hannover.

Feasibility Study on the Implementation of an internet-based River Information System (RIS) for Mosel/Saar and Weser. Federal Institute of Hydrology - Koblenz. Franzius-Institute for Hydraulics and Coastal Engineering, University of Hannover.

Reduction of Sedimentation and Dredging in Neustadt Port – Port Community Bremen City. Port Authority of Bremen. Franzius-Institute for Hydraulics and Coastal Engineering, University of Hannover.

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