

LIST OF REFERENCES

TBP UPCON GmbH



Company foundation	2000 (UPCON GmbH)
Managing partner	Matthias Ungerer
Change of name	since 2008 member of TBP Group as TBP UPCON GmbH

2023

2023	Mondi, Steti, Czech Republic Water and heat balance of PM5
2023	Agrana Stärke GmbH, Aschach, Austria As-built documentation of the wastewater treatment plant Consultations for the implementation of anaerobic high-load technology
2023	WEPA Deutschland GmbH & Co. KG, Giershagen, Germany Cost study for debottlenecking of the wastewater treatment plant
2023	Hans Kolb Papierfabrik GmbH & Co.KG, Kaufbeuren, Germany Cost study for an extension of the anaerobic wastewater treatment plant
2023	Leipa Georg Leinfelder GmbH, Schwedt, Germany Feasibility study for für eine pyrolysis plant for fiber residues
2023	DS Smith Belisce, Belisce, Croatia Consultations in tendering process for anaerobic equipment

- 2023 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
As-built documentation of the wastewater treatment plant
- 2023 **Repulping Technology GmbH & Co. KG, Schiltberg, Germany**
Balancing and dimensioning of a process water treatment plant
- 2023 **Alier S.A. Rosselló, Spain**
Dynamic heat balance of the process loops of the entire paper mill
- 2023 **Sappi Ehingen GmbH, Ehingen, Germany**
Basic-Engineering for the replacement of an oxidation tank for the sulfite oxidation of the washing liquor of a flue gas desulfurization plant of the base liquor regeneration of the pulp production
- 2023 **Smurfit Kappa Herzberg Solid Board, Herzberg am Harz, Germany**
Risk assessment of an anaerobic plant
- 2023 **Glatfelter, Gernsbach, Germany**
Feasibility study for the reduction of fresh water
- 2023 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Evaluation of the wastewater facilities for the due-diligence for the takeover of a paper mill
- 2023 **Alier S.A. Rosselló, Spain**
Pre-Engineering of a new paper mill incl. anaerobic/aerobic wastewater treatment
- 2023 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Start-up of a new secondary clarifier
- 2023 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Consultations in the field of explosion protection
- 2023 **Agrana Stärke GmbH, Gmünd, Austria**
Detail-Engineering for the extension of the wastewater treatment plant

2022

- 2022 – 2023 **Sappi Alfeld GmbH, Alfeld, Germany**
Project support for the implementation of a size press and development of solutions for the pretreatment of the corresponding wastewater

- 2022 **Sappi Alfeld GmbH, Alfeld, Germany**
Concept development for the post-treatment of wastewater
- 2022 **Hamburger, Pitten, Austria**
Development of a dynamic process balance to predict the effects of an anaerobic process water kidney
- 2022 **Empacor, Bogotá, Colombia**
Design check of vendors proposals for the extension of the wastewater treatment plant
- 2022 - 2023 **Sappi Ehingen GmbH, Ehingen, Germany**
Detail-Engineering and project management for a new roll winder incl. reel and roll handling system
- 2022 **Paques Europe, Balk, Netherlands**
Consultancy in the development of a new anaerobic digester
- 2022 **DS Smith, Aschaffenburg, Deutschland**
Survey of the wastewater treatment plant, development of a complete P&I-diagram

Feasibility study for the implementation of Ultrafiltration-technology for the re-use of biological treated municipal wastewater and the cleaning of solid loaded river water for freshwater substitution
- 2022 **Heinzelpaper, Raubling, Germany**
Balance model for the optimisation of the water loop separation
- 2022 - **Buchmann Karton, Annweiler, Germany**
Basic-Engineering of the retrofit of the wastewater treatment plant, planning of an anaerobic stage, participation in approval planning
- 2022 - 2023 **DS Smith, Lucca, Italy**
Basic-Engineering for a new stock preparation line
- 2022 **Smurfit Kappa Parengo, Renkum, Netherlands**
Basic-Engineering for a denitrification stage
- 2022 **Pfleiderer, Teisnach, Germany**
Detail-Engineering of the extension of the biological wastewater treatment
- 2022 **Heinzelpaper, Raubling, Germany**
Detail-Engineering for a winder pulper
- 2022 **Hans Kolb Papierfabrik GmbH & Co.KG, Kaufbeuren, Germany**
Restructuring plan pre-acidifier on CHP-unit

- 2022 **Ahlstrom-Munksjö, Aalen, Germany**
Study factory logistics
- 2022 **DS Smith, Aschaffenburg, Germany**
Basic-Engineering for a new anaerobic reactor and the optimisation of the biogas system

2021

- 2021 **SFT Group Kamenskaya, Kuvshinovo, Russland**
WWTP-audit
- 2021 **Empacor, Bogotá, Colombia**
Pre-study for the optimisation of the anaerobic/aerobic wastewater treatment
- 2021 **Knauf Petroboard, St.Petersburg, Russia**
Feasibility study for the optimisation of the reject handling
- 2021 **UPM, Steyrermühl, Austria**
Feasibility study extension waste water treatment
- 2021 **Kama Karton, Krasnokamsk, Russia**
Consultations wastewater treatment
- 2021 - 2022 **Extr:act e.V., Frankfurt, Germany**
Consultations, lab trials and operation of an anaerobic/aerobic pilot plant with contaminated wastewater
- 2021 **Schoellershammer GmbH & Co. KG, Düren, Germany**
Detail-Engineering for a disc thickener
- 2021 - 2023 **Model Sachsen Papier, Eilenburg, Germany**
Detail-Engineering of the extension of the wastewater treatment plant
- 2021 **Hamburger, Pitten, Österreich**
Detail-Engineering of the conversion of a primary clarifier into a secondary clarifier
- 2021 - 2022 **Kiefel, Freilassing, Germany**
Detail-Engineering for a modular stock preparation plant
- 2021 **Bukoza, Henovce, Slovakia**
Feasibility study for the rebuild of the wastewater treatment plant

- 2021 **Ambro, Suceava, Romania**
Feasibility study for a process water treatment plant
- 2021 **Ahlstrom-Munksjö, Aalen, Germany**
Heat balance and basic-Engineering wastewater cooling
- 2021 **DS Smith, Zarnesti, Romania**
Detail-Engineering for the extension of the biological wastewater treatment plant
- 2021 **Papierfabrik Adolf Jass GmbH&Co.KG, Fulda, Germany**
Basic-Engineering for the rebuild of the stock preparation plant
- 2021 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Basic-Engineering of a new anaerobic/aerobic wastewater treatment plant including tertiary treatment
- 2021 **Hamburger, Pitten, Austria**
Conceptual study for the extension of the anaerobic stage
- 2021 **SFT Group Aleksinskaya, Aleksin, Russia**
Check of suppliers engineering for a new wastewater treatment plant
- 2021 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Consultations in anaerobic waster treatment and water laws
- 2021 **Kartonfabrik Porstendorf GmbH, Porstendorf, Germany**
Consultations in operator obligations
- 2021 **Schoeller Technocell GmbH & Co. KG, Günzach, Germany**
Consultations in water loop management and waste water treatment

2020

- 2020 - 2023 **Südstärke GmbH, Sünching, Germany**
Licensing procedure regarding German waste water legislation and concept development of a new waste water treatment plant including tertiary treatment stage
- 2020 **Neuköllner Spezialpapierfabrik NK GmbH & Co. KG, Berlin, Germany**
Check of hall and hood verntilation system by measurements, concept development

- 2020 **Repulping Technology GmbH & Co. KG, Schiltberg, Germany**
Consultations in water loop management
- 2020 **Schoellershammer GmbH & Co. KG, Düren, Germany**
Consultations in biogas treatment
- 2020 **Kama Karton, Krasnokamsk, Russia**
Engineering check of suppliers documentation for a new waste water
treatment plant
- 2020 **Papierfabrik Palm, Eltmann, Germany**
Pre-Engineering in the area of waste water treatment
- 2020 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau,
Germany**
Licensing procedure regarding German waste water legislation
- 2020 **Papierfabrik Jass Schwarza GmbH & Co.KG, Rudolstadt, Germany**
Detail-Engineering for a new sludge centrifuge
- 2020 - 2021 **VPK Paper NV, Oudegem, Belgien**
Check of hall and hood ventilation system by measurements, concept
development
- 2020 -2021 **Mayr Melnhof, Gernsbach, Germany**
Concept development for rain water retention from waste paper storage,
consultations regarding German waster legislation
- 2020 - 2021 **Klinge Paperwerke GmbH & Co. KG, Weener, Germany**
System analysis by measurements of the vacuum plant, concept
development and preparation of a heat balance of the paper production
process
- 2020 **Drewsen Spezialpapiere GmbH & Co. KG, Lachendorf, Germany**
Process-Detail-Engineering for a new MBBR-reactor as tertiary waste water
treatment stage
- 2020 **Papierfabrik Adolf Jass GmbH&Co.KG, Fulda, Germany**
Concept development and Detail-Engineering retrofit biogas plant

Concept development of a new waste water cooling system
- 2020 **DS Smith, Zarnesti, Romania**
Preparation of tender documents for the extension of waste water plant by an
anaerobic system and rebuild of an aeration tank into a secondary clarifier

- 2020 **SFT Group Aleksinskaya, Aleksin, Russia**
Comparison of offers for the installation of a biological waste water treatment plant, consultation
- 2020 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Consultations at the waste water treatment because of nitrogen problems
- 2020 **Smurfit Kappa, Cerro Gordo, Mexico**
Suppliers-Engineering for the installation of an anaerobic waste water treatment system
- 2020 **N.N., Germany**
Feasibility study for a new PM
- 2020 **Papierfabrik Palm, Descartes, France**
Detail-Engineering for the extension of the anaerobic waste water treatment
- 2020 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Implementation of the approval procedure according to § 16 BImSchG for the reconstruction of board machine KM3
- 2020 **Solidus Solutions Board B.V., Bad Nieuweschans, The Netherlands**
COD balance of the board production at increased capacity and different waste paper qualities

2019

- 2019 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Basic- and Detail-Engineering for the level increase of aerobic waste water treatment for the cellulose mill and municipalities (Hrbolotova plant)
- 2019 **DS Smith, Zarnesti, Romania**
Basic-Engineering for the extension of waste water treatment by an anaerobic system and rebuild of an aeration tank into a secondary clarifier
- 2019 **SFT Group Kartontara, Maikop, Russia**
Feasibility study of a new waste water and fresh water treatment for a new paper machine on existing plot and on new industrial area
- 2019 **Papierfabrik Adolf Jass GmbH&Co.KG, Fulda, Germany**
Preparation of a P&I diagram for the biogas plant
- 2019 **Drewsen Spezialpapiere GmbH & Co. KG, Lachendorf, Germany**
Concept study for the upgrade of the waste water treatment plant

- 2019 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Hydraulic check of activated sludge system
- 2019 **Papierfabrik Palm, Eltmann, Germany**
Consultation waste water treatment
- 2019 **Mondi, Steti, Czech Republic**
Trouble-shooting waste water cooling
- 2019 **Proletariy, Surash, Russia**
Feasibility study of a new waste water treatment for a new paper machine
- 2019 **Badenkarton, Gernsbach, Germany**
Consultation waste water treatment
- 2019 – 2020 **Knauf Petroboard, St.Petersburg, Russia**
Preparation of tender documents for a tertiary waste water treatment step
- 2019 **UIPSA, La Pobla de Claramunt, Spain**
Environmental study for the installation of a new paper machine on a new industrial plot in comparison with the installation on the existing site
- 2019 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Check of Suppliers Engineering of the fresh water preparation for the new PM19
- 2019 **Heinzelpaper, Raubling, Germany**
Detail-Engineering for the implementation of a DAF in white-water system of PM5
- 2019 **Mondi Tire Kutsan, Tire, Turkey**
Trouble-shooting at the anaerobic waste water treatment
- 2019 **Smurfit Kappa, Hoya, Germany**
Consultation for the substitution of a derelict combined aeration and settler
- 2019 – 2021 **Carl Macher GmbH & Co.KG, Köditz/Brunnenthal, Germany**
Concept study, Basic- and Detail-Engineering of the rebuilding of the waste water treatment plant with following subprojects:
- Reinstallation of a lime trap
 - New biogas treatment (flare, buffer, extension washer, dryer)
 - New anaerobic reactors
 - Rebuild of former anaerobic reactors into aerobic system
 - Rebuild of one batchwise aeration (SBR) into continuous operation
 - Rebuild of one SBR into secondary clarifier
 - Reinstallation of a sand filter

- 2019 **Papierfabrik Jass Schwarza GmbH & Co. KG, Rudolstadt, Germany**
Process balance for COD and Calcium
- 2019 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Survey of DAF unit for waste water treatment
Trouble-shooting at the waste water treatment because of nitrogen problems
- 2019 – 2021 **Hamburger, Pitten, Austria**
Basic- and Detail-Engineering for a DAF and rotary drum filters and the rebuilding of the former preclarifier into a secondary clarifier
- 2019 - 2020 **Smurfit Kappa, Cerro Gordo, Mexico**
Detail-Engineering of an upgrade of PM5

2018

- 2018 **Hamburger, Pitten, Austria**
Basic- and Detail-Engineering for the substitution of the well water system
- 2018 **Papierfabrik Palm, Descartes, France**
Concept study for the extension of the anaerobic waste water treatment
- 2018 – 2019 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Implementation of the approval procedure according to § 16 BImSchG for the reconstruction of paper machine PM4
- 2018 **Mayr Melnhof, Gernsbach, Germany**
Consultations on pulping system
- 2018 - 2019 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Study of the licensing aspects of a new paper machine
- 2018 **Südzucker AG, Plattling, Germany**
Preparation of a P&I diagram for the production process
- 2018 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Risk analysis for burning of explosive exhaust air
- 2018 **Schoellershammer GmbH & Co. KG**
Study on rebuilding the stock preparation

- 2018 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Basic- and Detail-Engineering for a sedimentation tank for separation of sludge granules
- 2018 **Pappenfabrik Tullau, Karl Kurz GmbH & Co. KG, Tullau, Germany**
Technical expertise with assessment of value for a second-hand dryer section
- 2018 **Dr. Franz Feurstein GmbH, Traun, Austria**
Consultation licensing procedure waste water treatment
- 2018 **Hamburger Rieger GmbH, Gelsenkirchen, Germany**
Pipe planning for adaption of vacuum system
- 2018 **Papierfabrik Palm, Eltmann, Germany**
Study heat balance
- 2018 **Smurfit Kappa, Hoya, Germany**
Consultation for the extension of biogas treatment
- 2018 – 2019 **Hans Kolb Papierfabrik GmbH & Co.KG, Kaufbeuren, Germany**
Licensing procedure incl. Environmental impact study for the capacity increase based on a new shoe-press
- 2018 **Ecopaper, Zarnesti, Romania**
Audit waste water treatment

Feasibility study
- 2018 **Heinzelpaper, Laakirchen, Austria**
Loop analysis of water cycles for smell reduction
- 2018 **Smurfit Kappa, Gernsbach, Germany**
Consultation waste water treatment
- 2018 - 2020 **Carl Macher GmbH & Co.KG, Köditz/Brunnenthal, Germany**
Consultation water rights

Conception rebuilt waste water treatment
- 2018 **Hamburger Rieger GmbH, Gelsenkirchen, Germany**
Feasibility study for a new fresh water treatment plant
- 2018 **Hamburger Rieger GmbH, Gelsenkirchen, Germany**
Process water balance and action plan for fresh water savings and flow equalization of effluent water
- 2018 **Union Industrial de Papel S.A., Pobra de Claramunt, Spain**

Feasibility study for a new PM, gas turbine with recovery boiler, reject-combustion and waste water treatment

- 2018 **DS Smith, Lucca, Italy**
Detail-Engineering extension anaerobic system
- 2018 **Mayr Melnhof, Gernsbach, Germany**
Detail-Engineering waste water cooling and buffer
- 2018 **Heinzelpaper, Raubling, Germany**
Detail-Engineering of several modifications of stock preparation
- 2018 **Papierfabrik Palm, Descartes, France**
Audit water loops and waste water treatment
- 2018 - 2020 **Papierfabrik Palm, Aalen, Germany**
Basic-, Detail-Engineering and technological support in permitting process for a new waste water treatment plant and a new fresh water treatment plant
Installation supervision and Start-up support

2017

- 2017 **UIPSA, La Pobla de Claramunt, Spain**
Feasibility study of a new anaerobic/aerobic waste water treatment for a new paper machine
- 2017 – 2020 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Basic- and Detail-Engineering, tender of a new anaerobic/aerobic waste water treatment plant incl. sludge treatment and fresh water preparation for the new PM19
- 2017 - 2018 **Hamburger, Pitten, Austria**
Loop analysis of water circles, lime problems
- 2017 **Papierfabrik Wattens, Wattens, Austria**
Trouble-shooting sludge press
- 2017 **NN.**
Consultation new paper machine
- 2017 **Nine Dragons, Dongguan, China**
Consultation denitrification waste water

- 2017 **Heinzelpaper, Raubling, Germany**
Study smell reduction
- 2017 **Knauf Petroboard, St.Petersburg, Russia**
Consultations fresh water treatment
- 2017 - 2018 **Pro-Gest, Mantua, Italy**
Layout planning stock preparation
- 2017 **Smurfit Kappa, Hoya, Germany**
Budgeting Upgrade Biogas washer
- 2017 **Pappenfabrik Tullau, Karl Kurz GmbH & Co. KG, Tullau, Germany**
Technical expertise regarding a second-hand dryer section
- 2017 **Papierfabrik Jass Schwarza GmbH&Co.KG, Rudolstadt, Germany**
Basic- and Detail-Engineering for a new anaerobic plant, biogas treatment and CHP
- 2017 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Detail-Engineering for a new biogas treatment plant and extension anaerobic system
- 2017 **Mondi Syktyvkar, Syktyvkar, Russia**
Consultation HD Towers
- 2017 **Systec Plastics, Eisfeld, Germany**
Basic-Engineering and pilot plant for a new aerobic waste water treatment plant
- 2017 **Papierfabrik Adolf Jass GmbH&Co.KG, Fulda, Germany**
Detail-Engineering for the exhaust-air system on a wwtp
- 2017 **Dunapack Dentas Packaging, NN., Turkey**
Basic-Engineering of a new waste water treatment plant and fresh water preparation for a new packaging paper mill
- 2017 **Aviretta GmbH, Ettringen, Germany**
Detail-Engineering of a second aeration basin
- 2017 **Hamburger Rieger GmbH, Trostberg, Germany**
Fresh water balance and Detail-Engineering transferbelt cooling

2016

- 2016 **DS Smith, Lucca, Italy**
Bottleneck analysis of waste water treatment regarding production increase
- 2016 **Ecopaper, Zarnesti, Romania**
Evaluation of waste water treatment within a due diligence report
- 2016 - 2017 **Pro-Gest, Mantua, Italy**
Detail-Engineering piping planning for a new OCC stock preparation plant
- 2016 - 2017 **Heinzelpaper, Raubling, Germany**
Balancing and Detail-Engineering in water loop management
- 2016 - 2017 **Mayr Melnhof, Gernsbach, Germany**
Feasibility study for the optimisation of the water loops
- 2016 - 2017 **Knauf Petroboard, St.Petersburg, Russia**
Basic-Engineering for the retrofit of the wwtp
- 2016 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Approval planning for water rights of river water usage
- 2016 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Detail-Engineering of the extension of the anaerobic stage of the wwtp, as-built-documentation
- 2016 - 2018 **Leipa Georg Leinfelder GmbH, Schwedt, Germany**
Project expertise rebuild PM5 from press paper to packaging
- 2016 **NN.**
Master plan for the expansion of a paper mill
- 2016 - 2020 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Basic- and Detail-Engineering including building design for the expansion of the process water treatment plant (expansion anaerobic treatment and biogas scrubber, new construction of intermediate cooling, conversion of an UASB plant to activated phase, conversion of an activation tank to final clarification)
- 2016 **Mondi Syktyvkar, Syktyvkar, Russia**
Basic-Engineering for the extension of the sludge presses including the installation of sludge thickeners, the new construction of a nutrient storage and dosing, the conversion of the intermediate clarifiers and the upgrades of

sludge recirculation of the second biological stage, the expansion of the sand trap with a floating sludge removal

- 2016 **Mayr Melnhof, Gernsbach, Germany**
Consultations and Trouble-shooting in the waste water treatment sector
- 2016 **Hamburger Rieger GmbH, Trostberg, Germany**
Consultations, study concerning the anaerobic waste water treatment plant
- 2016 **Econvert Water&Energy, Heerenveen, Netherlands**
Revision of the supplier engineering for the delivery of an anaerobic plant for a German paper mill
- 2016 **Hamburger, Pitten, Austria**
Detail-Engineering and preparation of tender documents for a new auxiliary products storage for the waste water treatment plant
- 2016 **Saica, El Burgo de Ebro, Spain**
Feasibility study for the water circuit separation of three paper machines
- 2016 **Mondi Syktyvkar, Syktyvkar, Russia**
Basic-Engineering for the optimization and automation of the fresh water preparation
- Feasibility study for the expansion of waste water treatment plant at increased production output
- 2016 **Glatfelter, Gernsbach, Germany**
Feasibility study for the reduction of the effluent heat load
- 2016 **Jadepack, Varel, Germany**
Consultations for the approval procedure for a new roll coating plant facility
- 2016 **Heinzelpaper, Raubling, Germany**
Detail-Engineering for the water circuit cleaning with micro flotation and channel water separation for two production lines
- Surveillance of the annual shutdown of the in-house purification plant
- 2016 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Feasibility study for the expansion of the waste water treatment plant in case of the mill extension with additional grades
- Measuring of odors and evaluation of actions regarding future odor emissions, support for approval procedure
- Consultations for the new construction of an anaerobic/aerobic waste water

treatment plant of a new paper machine with use of waste paper

- 2016 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Basic planning of a rain retention basin for the waste water storage
- 2016 - 2018 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Implementation of the approval procedure according to § 16 BImSchG for the reconstruction of a reject pelletizing plant and the extension of the process water treatment plant

2015

- 2015 **Mondi Syktyvkar, Syktyvkar, Russia**
Action plan for fresh water savings
- 2015 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Feasibility study for the reconstruction of the aerobic part of the factory-owned waste water treatment plant
- 2015 **Swiss Quality Paper AG, Balsthal, Switzerland**
Assessment concerning the EU Ecolabel
- 2015 **Tecnokarton, Mayen, Germany**
Feasibility study for the conversion of the waste water cooling in order to observe the hygiene requirements
- 2015 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Feasibility study for the expansion of the waste water treatment plant in case of the mill extension with additional grades
- 2015 **Julius Schulte Söhne GmbH & Co. KG, Düsseldorf, Germany**
Feasibility study for the separation of the water circuits of two paper machines
- 2015 **August Köhler, Greiz, Germany**
Assessment concerning the EU Ecolabel
- 2015 - **Mondi Syktyvkar, Syktyvkar, Russia**
Basic- and Detail-Engineering for a rebuild of the waste water treatment
- 2015 **Papierfabrik Julius Schulte Söhne GmbH & Co. KG, Düsseldorf, Germany**
Feasibility study for the loop separation of two process lines

- 2015 **NN.**
Feasibility study for the anaerobic treatment of condensates of the evaporation plant of a sulphate cellulose mill
- 2015 - 2016 **DS Smith, Aschaffenburg, Germany**
Basic- and Detail-Engineering for the extension of the aerobic part of the wwtp including the design of a new secondary clarifier (suction scrapper) and the extension of the biogas washers, erection supervision
- 2015 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Feasibility study for the extension of the wwtp (anaerobic reactors, aerobic plant, secondary clarifiers, biogas treatment)
Consultations for the reject minimization
- 2015 **Albert Köhler, Gengenbach, Germany**
Preparation of a drainage plan of the complete mill
- 2015 **Uniboard, Cairo, Egypt**
Basic-Engineering of a new aerobic wwtp by usage of second-hand compounds
- 2015 - 2016 **Smurfit Kappa, Gernsbach, Germany**
Consultations and Trouble-shooting in the field of waste water treatment
- 2015 **Vogt-Plastic, Rheinfelden, Germany**
Consultations in the field of aerobic waste water treatment

2014

- 2014 **Südzucker AG, Zeitz, Germany**
Preparation of tender documentation for an aerobic waste water treatment and a drinking water preparation from river water for a new starch factory
- 2014 - 2015 **Aviretta GmbH, Ettringen, Germany**
Basic- and Detail-Engineering, erection supervision and start-up of the conversion of the stock preparation of the PM4 from newspaper print to corrugated base paper including the new construction of an anaerobic waste water pre-treatment with biogas handling
- Licensing procedure regarding German legislation of the complete project including rebuild of paper machine (shifting of press section, installation of film press)

- 2014 - 2016 **Hamburger, Pitten, Austria**
Preparation of tender documents and Detail-Engineering of the extension of the anaerobic wwtp with biogas washer and usage in mills steam block, Detail-Engineering of all other components of the rebuild of the wwtp, risk assessment, erection supervision
- 2014 **Mondi Headquarter, Vienna, Austria**
Cost study for a new wwtp of a new paper mill for packaging board
- 2014 **Mondi Ruzomberok, Ruzomberok, Slovakia**
Technical assessment for minimization of smell at the aerobic wwtp
- 2014 - 2015 **Dunapack Dentas Packaging, Denizli, Turkey**
Study of the rebuild of the wwtp after implementation of water loop separation of stock preparation and paper machine
- 2014 **Tecnokarton, Mayen, Germany**
Basic-Engineering of the rebuild of stock preparation for optimization of water management
- 2014 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Licensing procedure regarding German legislation and Detail-Engineering for exhaust air burning of an anaerobic wwtp in onsite steam boiler
- 2014 **Dunapack Dentas Packaging, Corlu, Turkey**
Basic- and Detail-Engineering, erection supervision and start-up of a rebuild of a primary clarifier into a suction scrapper secondary clarifier with tertiary sand filtration of effluent water
- 2014 **N.N, Germany**
Basic-, Detailengineering and tender documents of a drinking water plant (precipitation/flocculation and reverse osmosis) and a complete aerobic wwtp for the process water of a new starch plant (wheat)
- 2014 - 2015 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Basic- and Detail-Engineering of the extension of the anaerobic/aerobic wwtp
Technical support for licensing procedure (capacity increase of mill)

2013

- 2013 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure regarding German environmental legislation for a new waste paper storage

- 2013 **Speisereste Kloh, Moosinning, Germany**
Consultations about the biogas plant (agricultural sector)
- 2013 **Mondi Swiecie, Swiecie, Poland**
Trouble-shooting and consultations waste water treatment plant
- 2013 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Consultations waste water treatment plant
Feasibility study biomethane production
- 2013 **Tecnokarton, Mayen, Germany**
Survey water system and water balance
- 2013 **Hamburger, Pitten, Austria**
Basic-Engineering and piping planning for the rebuild of the effluent treatment plant
- 2013 **Mondi Syktyvkar, Syktyvkar, Russia**
Consultation for the waste water treatment
- 2013 **Mondi Tire Kutsan, Tire, Turkey**
Trouble-shooting at start-up of an anaerobic reactor and consultation regarding optimization of water loops
- 2013 **Dentas Packaging, Denizli, Turkey**
Survey of the waste water treatment plant, feasibility check for an extension
- 2013 **Dentas Packaging, Corlu, Turkey**
Survey of the waste water treatment plant, consultation

2012

- 2012 - 2013 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure regarding German environmental legislation in the field of waste water treatment
- 2012 **Vogt-Plastic, Rheinfelden, Germany**
Complete engineering of an activated sludge process
- 2012 - 2014 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Consultations to permission issues and measuring of exhaust air
- 2012 **Mondi Syktyvkar, Syktyvkar, Russia**
Feasibility study for the optimization of the waste water treatment plant of

an integrated pulp and paper mill with the effluents of the town Syktyvkar

- 2012 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Consultations to waste water treatment
- 2012 **Hamburger, Pitten, Austria**
Licensing documents for the extension of the waste water treatment plant with new anaerobic reactors, a biological washer of biogas, a block heat and power plant, the rebuild of an anaerobic reactor into a new activated sludge basin and the rebuild of a preclarifier into a new secondary clarifier
- 2012 **Mondi Raubling, Raubling, Germany**
Detail-Engineering of measures for reduction of fresh water consumption
- 2012 **Confidential**
Feasibility study for a waste water treatment plant for a new integrated production of sulphate cellulose and liner in Romania
- 2012 **Hamburger Rieger GmbH, Trostberg, Germany**
Consultation to waste water treatment
- 2012 **Tecnokarton, Mayen, Germany**
Survey of production circulation water
- 2012 **Mondi Frantschach, St. Gertraud, Austria**
Feasibility study for a capacity increase of a production of sulphite cellulose
- 2012 **Uniboard, Cairo, Egypt**
Feasibility study for the relocation of an used waste water treatment plant

2011

- 2011 **Confidential**
Feasibility study for a production line of transformer board
- 2011 - **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Basic- and Detail-Engineering retrofit aeration to secondary clarifier
- 2011 - **Egger Austria, St. Johann, Austria**
Installation and start-up of a semi-industrial aerobic pilot waste water treatment plant
- 2011 **Hamburger, Pitten, Austria**
Feasibility study of an extension of an anaerobic waste water treatment plant with new block heat and power plant

- 2011 **Duropack, Belisce, Croatia**
Feasibility study of an extension of a waste water treatment plant
- 2011 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Subsidies application and investment report for a new power plant, a new stock preparation line and the lengthening of a paper machine
- 2011 **Confidential**
Feasibility study of a factory for pressboard
- 2011 **Voith Bayreuth, Germany**
Detail-Engineering suction fan for a carton mill in Russia

2010

- 2010 - 2011 **Mondi Swiecie, Swiecie, Poland**
Consultations regarding process water circuits and waste water treatment
Study for reconstruction of the waste water treatment
- 2010 - 2011 **Mondi Swiecie, Swiecie, Poland**
Basic- and detail-engineering for the rebuild of the established back sludge system and the 1st aeration step
- 2010 - 2011 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Realization of a request for change of the water-juridical permission and transfer of the discharging position after WHG in conjunction with NWG
Request for exemption from the bans and rules of the NWattNPG on NWattNPG in conjunction with BNatSchG for the transfer of the discharging position in the Wadden Sea
- 2010 **Hamburger Hungária, Dunaújváros, Hungary**
Study for optimization of an aerobic waste water treatment of effluent of recycled fiber paper mill, cellulose production and virgin fiber paper mill
- 2010 **Egger Romania, Radauti, Romania**
Consultations regarding process water and waste water system chipboard factory and glue production
- 2010 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure for rebuild PM5
- 2010 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Planning of average caused rebuild of anaerobic/aerobic waste water treatment

- 2010 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Basic- and detail-engineering for rebuild and extension of roll handling PM4 and PM5
- 2010 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure for rebuild of PM4 and two new stock preparation lines
Subsidy planning
- 2010 - 2012 **KPK Knauf, St. Petersburg, Russia**
Licensing procedure, Basic- and Detail-Engineering, purchasing management, construction and assembly supervision of a new winder including reel- and roll handling with roll transportation bridge

2009

- 2009 - 2010 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Licensing procedure, Basic- and Detail-Engineering, Start-up assistance of an anaerobic for narrowing of water loops and indirect discharge
- 2009 - 2010 **Hamburger Hungária, Dunaújváros, Hungary**
Study for a lime disposal in water system
- 2009 **KPK Knauf, St.Petersburg, Russia**
Study of anaerobic/aerobic waste water treatment
- 2009 **Hamburger Hungária, Dunaújváros, Hungary**
Consultations regarding process water circuits and waste water treatment
- 2009 **Confidential**
Construction of a rabble rake device and bottom scrapper
- 2009 **Hans Kolb GmbH, Papierfabrik, Kaufbeuren, Germany**
Troubleshooting at anaerobic/aerobic waste water treatment plant
- 2009 **KPK Knauf, St.Petersburg, Russia**
Study for the water management in conjunction with an on-site survey and drawing up of a balance sheet for the whole process
- 2009 **Papierfabrik Julius Schulte Söhne GmbH & Co. KG, Düsseldorf, Germany**
Study for product exchange between two paper mills within Schulte group
- 2009 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Consultations regarding phosphor problems in the established process water treatment

- 2009 **TBP Piesslinger GmbH, Linz, Austria**
Planning support tank storage OMV Schwechat, Austria
- 2009 **Hamburger Hungária, Dunaújváros, Hungary**
Consultation regarding waste water treatment plant
- 2009 **Van Houtum Papier, Swalmen, Netherlands**
Consultation regarding waste water treatment (trickling filter)
- 2009 **Siemens AG, Industrial waste water treatment, Erlangen, Germany**
Consultation regarding narrowing of water loops in a newsprint-paper mill in Spain

2008

- 2008 - 2009 **KPK Knauf, St.Petersburg, Russia**
Feasibility study for the rebuild of BM1 and BM2
- 2008 - 2009 **Dunapack Paper and Packaging Ltd, Dunaújváros, Hungary**
Basic-Engineering for an anaerobic process of water treatment of waste water of waste paper processing
Support of Starting-up
- 2008 **Wellpappenverband, Bonn, Germany**
Consulting for waste water order
- 2008 **Hans Kolb GmbH, Papierfabrik, Kaufbeuren, Germany**
Support the Starting-up micro flotation for the loop treatment
- 2008 **Confidential**
Basic-Engineering of loop disconnection
- 2008 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Basic- und Detail-Engineering, Management of purchase, manufacturing supervision of a new winder including reels, cores and rolls
- 2008 **Voith Environmental Systems, Ravensburg, Germany**
Pre-Engineering of an extension of anaerobic waste water treatment plant of an eastern European paper mill
- 2008 **Confidential**
Basic-Engineering for an implementation of a water recirculation loop
- 2008 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Basic-Engineering of a new winder including the handling of reels, cores and rolls

- 2008 **Knauf Engineering GmbH, Iphofen, Germany**
Update of a feasibility study for a complete board mill for gypsum plasterboard and test liner in Eastern Europe
- 2008 **Hager & Elsässer GmbH, Stuttgart, Germany**
Detail-Engineering of the anaerobic part, biogas utilization, wastewater warming and micro flotation for a wastewater treatment plant of Rubezhnoye Paper mill in the Ukraine

2007

- 2007 - 2009 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Over-all project planning of the expansion of an anaerobic/aerobic wastewater treatment plant including effluent cooling and biogas utilization
- 2007 - 2008 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure for the extension of the mill capacity
Licensing procedure for the extension of the mill installation of a lime trap
- 2007 - 2008 **TBP Piesslinger GmbH, Linz, Austria**
Planning support for the construction of the PM7 Dunaújváros, Hungary
- 2007 **Rosegg-Spezialpappen GmbH, Austria**
Dimension and loop mass balance for a study of waste water treatment with following Engineering, manufacturing supervision and initiation of aerobic, double-stage raw effluent treatment plant
- 2007 **Voith Environmental Systems, Ravensburg, Germany**
Pre-Engineering anaerobic brewery waste water Chile
- 2007 **Knauf Integral KG, Satteldorf, Germany**
Consultations water loops treatment
- 2007 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Evaluation of the current situation for the existent UASB-reactor
- 2007 **Dunapack Paper and Packaging Ltd, Dunaújváros, Hungary**
Basic-Engineering of an aerobic waste water treatment plant
- 2007 **Albert Köhler, Gengenbach, Germany**
Building of a new concept for the heat balance of the total plant
- 2007 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Building of a new concept for the heat balance of the total plant

- 2007 **Julius Schulte Trebsen GmbH & Co. KG, Trebsen, Germany**
Feasibility study for the expansion of the current location
- 2007 **Viochartiki S.A. Papermill, Athen, Greece**
Consultation and Balancing for water management
Consultation for heat exchange in a waste water plant heat recovery and the current gas prices whose processing and prominence

2006

- 2006 - 2007 **Mondi Shanduka Newsprint, Durban, South Africa**
Feasibility study for the rebuild of a newsprint machine and the extension of the recycled fiber plant
- 2006 - 2007 **Dunapack Paper and Packaging Ltd, Dunaújváros, Hungary**
Basic-Engineering of an anaerobic/aerobic waste water treatment for mixed effluents of a board mill, a mill for graphic paper and cellulose
- 2006 **Metsä Tissue, Raubach, Germany**
Basic-Engineering of the expansion of a stock preparation line for DIP
- 2006 **Thüringer Hygiene Papier, Wernshausen, Germany**
Analysis of paper machine standstill periods
- 2006 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure for an intermediate reject store
- 2006 **MD Albruck, Albruck, Germany**
Basic-engineering of a bleaching chemicals storage including dosing devices
- 2006 **Albert Köhler, Gengenbach, Germany**
Supervision of the disassembling of a fourdrinier board machine
- 2006 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Consultancy to sludge treatment
- 2006 **Pappenfabrik Tullau, Karl Kurz GmbH & Co. KG, Tullau, Germany**
Engineering and reassembly of the dryer section with heat recovery
- 2006 **Albert Köhler, Gengenbach, Germany**
Design of waste water treatment and heat recovery
Thermodynamical survey of the mill board and card board production
Survey of process design of the mill board and card board production

- 2006 **Dunapack Paper and Packaging Ltd, Budapest, Hungary**
Project management of the construction of an anaerobic/aerobic waste water treatment plant
- 2006 **Dunapack Paper and Packaging Ltd, Dunaújváros, Hungary**
Consultations regarding the waste water treatment
- 2006 **Umbria Filler, Nocera, Italy**
Study of calcium carbonate use
- 2006 **Siemens AG, Industrial waste water treatment, Erlangen, Germany**
Planning and building of an MBR-experimental plant

2005

- 2005 - 2006 **St. Petersburg Cardboard and Printing Plant, St. Petersburg, Russia**
Consultations on the field of production increase and to optimize quality of the board production
- 2005 - 2006 **Siemens AG, Industrial waste water treatment, Erlangen, Germany**
Consultations
- 2005 - 2006 **Niederauer Mühle GmbH, Kreuzau, Germany**
Analysis of water loops for optimization of circle water management and reduction of disturbances by smell and expert opinion for licensing procedure of a new production line
- 2005 **Niederauer Mühle GmbH, Kreuzau, Germany**
Stock-taking of water loops and responsibility for a series of exact measurements and balancing of impurities with the aim of optimization of water management and reduction of disturbances by smell
- 2005 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Consultation for the extension of the waste water treatment plant in the stages of anaerobic treatment and secondary clarifier
Licensing procedure regarding European law for the extension of the waste water treatment plant with additional anaerobic reactors and a secondary clarifier
- Licensing procedure regarding European law for a rebuild of board machine KM3 in the coating and drying section

- 2005 **Knauf Engineering GmbH, Iphofen, Germany**
Feasibility study, basic engineering and cost investigation with high degree of accuracy for a complete board mill for Gypsum board and Testliner in Eastern Europe
- 2005 **Viochartiki S.A. Papermill, Athens, Greece**
Consultations for sludge treatment and water management

2004

- 2004 - 2006 **Viochartiki S.A. Papermill, Athens, Greece**
Assembly planning and –supervision of anaerobic reactors and biogas scrubber, Start-up support
- 2004 - 2005 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Engineering and reassembly of the vat formers
- 2004 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Technical support to licensing procedure regarding European law and for the dealing with CO2-certificates
- 2004 **Pappenfabrik Tullau, Karl Kurz GmbH & Co. KG, Tullau, Germany**
Technical support to licensing procedure regarding European law and for the dealing with CO2-certificates
- 2004 **Texon Möckmühl GmbH & Co. KG, Möckmühl, Germany**
Study of chemical-biological waste water treatment
Erection of a waste water buffer with mechanical water treatment

2003

- 2003 – 2004 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Rebuilding of the pope reel winder
- 2003 - 2004 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Detail-engineering, Projecting, Project coordination of a roll handling and transport system including the core handling for the PM4 and the new PM5, and for the chemical dosing station as well as the water cooling system for the PM5

- 2003 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Planning of a new production water buffer (3000 m³) for the PM5
- 2003 **Stora Enso Kabel GmbH & Co. KG, Hagen, Germany**
Environmental study about impacts of the waste water treatment plant
(According to European law)
- 2003 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Water cycle analysis, conception of reject- and waste water treatment
Measurement of the contamination of production water cycles for KM3
- 2003 **Dunapack Paper and Packaging Ltd, Budapest, Hungary**
Pre-engineering of a anaerobic/aerobic waste water treatment plant,
Technological support for the licensing procedure
- 2003 **Pappenfabrik Trauchgau, Karl Kurz GmbH & Co. KG, Trauchgau, Germany**
Rebuilding of the press section
- 2003 **Dunapack Paper and Packaging Ltd, Dunaújváros, Hungary**
Study for improvement of an existing aerobic waste water treatment plant,
cost estimation and comparison of variations

2002

- 2002 - 2004 **Viochartiki S.A. Papermill, Athens, Greece**
Pre-project, Engineering and licensing procedure for an anaerobic-aerobic
waste water treatment plant
- 2002 - 2003 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing procedure of Federal ambient pollution control act including
environmental study for a new paper machine including stock preparation,
constant part, vacuum plant, heat recovery and waste water treatment plant
and gas turbine
- 2002 **Confidential**
Studies of erection of a fully automatic splicer for coating special paper
- 2002 **Dunapack Paper and Packaging Ltd, Budapest, Hungary**
Studies of the European laws as well as waste water limit value and IPPC best
references for paper mill waste water, to gather it into the Hungarian
legislation
- 2002 **Europa Carton, Hoya, Germany**
Public invitation to bid for the erection of a biological aerobic waste water
Treatment plant with the goal to use European conveying means

- 2002 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Fully responsible projecting on turn-key basis as general contractor (subsidiary company Wapatec) of the extension of the anaerobic and aerobic cascade of the biological water treatment plant and a biological biogas desulfurization
Licensing planning
- Projecting, coordination and start-up of the extension of the anaerobic and aerobic cascade of the biological water treatment plant and a biological biogas desulfurization, public invitation to bid for utilization of European conveying means
- Public invitation to bid for utilization of European conveying means
- 2002 **Gelsenwasser AG, Gelsenkirchen, Germany**
Studies of start-up and operation of an aerobic-anaerobic wastewater treatment plant of a paper mill
- 2002 **Wellkisten- und Papierfabriken Fritz Peters & Co. KG, Moers, Germany**
Project study for extension and automation of the roll store
- 2002 **Moritz Weig GmbH & Co. KG, Mayen, Germany**
Consulting on the field of wastewater treatment
- 2002 **Papierfabrik Utzenstorf AG, Switzerland**
Consulting on the field of sludge loss problems of secondary clarifier of aerobic wastewater treatment plant
- 2002 **Dunapack Paper and Packaging Ltd, Budapest, Hungary**
Comparison of several alternatives of an anaerobic-aerobic waste water treatment plant for a new paper machine
- Dimensioning of a anaerobic and aerobic waste water treatment plant for the construction of a new paper mill

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- 2001 **Remscheider Wellpappenfabrik Otto Hampel OHG, Remscheid, Germany**
Project study for extension and automation of the roll store
- 2001 **Viochartiki S.A. Papermill, Athens, Greece**
Project study for water recirculation loops of two paper machines

- 2001 **Europa Carton, Hoya, Germany**
Project study for extension of the three parallel lines of a biological waste water treatment plant
- 2001 **Pappenfabrik Tullau, Karl Kurz GmbH & Co. KG, Tullau, Germany**
Project study for ventilation of production hall
- 2001 **Wellkisten- und Papierfabriken Fritz Peters & Co.KG, Gelsenkirchen, Germany**
Projecting of water management and reject system, Optimization of water recirculation loops

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- 2000 - 2001 **Wellkisten- und Papierfabriken Fritz Peters & Co. KG, Gelsenkirchen, Germany**
Basic- and detail engineering, projecting, Project coordination and project management of a new slitter winder with roll handling system
Licensing planning
- 2000 - 2001 **Papier- und Kartonfabrik Varel GmbH & Co. KG, Varel, Germany**
Licensing planning, basic- and detail-engineering as well as planning the extension of the anaerobic cascade of the biological water treatment plant and a biological biogas desulfurization
- 2000 **Wepa Papierfabrik P. Kregel GmbH & Co. KG, Werk Müschede, Germany**
Consulting and studies on the field of internal depuration of water recirculation loops
- Projecting of a microflotation plant as a third stage of a biological waste water treatment plant
- Projecting of a waste water cooling tower
- 2000 **Wellkisten- und Papierfabriken Fritz Peters & Co. KG, Gelsenkirchen, Germany**
Basic-engineering of a biological two-stage waste water treatment plant with water management system for closing the internal water recirculation loops, negotiation with licensing authorities and municipal waste water association

- 2000 **Tecnokarton GmbH & Co. KG, Mayen, Germany**
Basic-, Detail-Engineering and projecting in the fields stock preparation, reject system and vacuum plant
- Cost computation of rebuilding of the board machine from suction former to endless wire
- 2000 **Kartonfabrik Porstendorf GmbH, Porstendorf, Germany**
Basic-Engineering of a biological two-stage waste water treatment and implementation of a water management system of enclose internal water recirculation loops
- Licensing planning