



Your partner in fluid treatment



The company KB.tec GmbH was founded in 2001.

KB.tec GmbH advises and supports its customers on all issues relating to fluid treatment.

We are able to find the perfect solution to the given task because of our technical competence, great know-how with process facilities, our experienced workers and the continuous dialogue with our customers.

We feel obliged to a systematic customer orientation; therefore our most important goal is to fulfil our customers need to its utmost satisfaction. The realized projects confirm this company policy.





The company KB.tec GmbH has set itself to the task of developing and exercising traditional and new technologies of fluid treatment. Therefore various treatment and separation technologies are applied:

- » **Candle filter**
- » **Gravel filter**
- » **Ion exchanger**
- » **Membranes**
- » **Degasser**
- » **Decarbonization**

With the above mentioned technologies, we are able to match the customer requirements and provide solutions for the preparation and conditioning of surface and well water, and also for product fluids like glycerine, brine or sugar syrup.

The development of our solutions is made in close consultation with the customer in order to consider the local and operational conditions already in the planning phase.





Based on the task of the customer, solutions are developed by using the newest electronic devices:

» **Basic-Engineering**

- Time schedules
- Design of R+I / P+I – flow charts
- Customer requirement specification
- Specifications

» **Detail-Engineering**

- Foundation and loading drawings
- Installation drawings (3D-design)
- Pipelines and components in isometric illustration
- Assembly and fabrication drawings for pipelines, vessels and components

» **Process description for automation units**

» **Documentation**

Our services and products are mainly used in:

- power plant sector,
- chemical industry,
- refineries,
- automobile industry,
- food industry,
- and for municipalities.





With our deep expertise and long-term experience in process engineering and plant construction, we are able to achieve perfect satisfaction of our customers in new plants as well as in cases of expansion, reconstruction and maintenance of existing plants. We provide following services:

» **Process plants (as complete and partial solutions)**

- Softening and decarbonization
- Demineralization/ Partial demineralization plants
- Condensate treatment plants
- Degasification (thermal / vacuum / catalytic)
- Brine purification for chlorine, alkali electrolysis
- Sugar syrup decolouration and softening
- Glycerin treatment
- Potable water treatment

» **Automation (Control unit for process plants)**

- Software engineering, visualization, retrofitting of old control units (e.g. S5 to S7)
- Integration of our control units in process control units (via Bus-systems)
- Planning und construction of control units cases
- E-Planning und installation

» **Service, maintenance and installation**

- Material exchange, nozzle exchange, rubber lining check
- Chemical treatment
- Installation works and Commissioning
- Maintenance
- Process optimization

Our diverse service portfolio can not be illustrated totally. Therefore do not hesitate to contact us.





We are a young and dedicated team with great experience and know-how in projecting, planning and execution of tasks of technological facilities.

» **Management**

The founder of the company, Peter Klein leads the company successfully since 2001. Besides the general management his main task is the acquisition of orders. His great experience with projecting, planning, and execution of the projects ensures the optimal configuration of the facility techniques already in the offer phase.

» **Technical planning**

The detailed configuration as well as the execution of the projects is done by the technical planning department. Therefore the newest computer applications are used to fulfil the growing customer requirements to the utmost satisfaction. Main contacts are the department manager Elmar Dölle and Frank Schäfer.

» **Service/ Maintenance/ Installation**

After the clarification of the technical and commercial issues, the execution and installation of the plant is done under the supervision of Dirk Görgen. Man power demanding projects are realised in cooperation with known and reliable subcontractors under the supervision of our own operating personnel.

The quality of our goods and services is ensured by the certified quality management system ISO 9001:2000 and SCC*.

Furthermore we are a specialized company according to WHG.



REFERENCES

Typ of plant	Execution
» Process water	
Decarbonization of Surface Water	up to 100 m ³ /h
Water Filtration with Iron Remove	up to 4.800 m ³ /h
Active Carbon Filter Station	up to 180 m ³ /h
Reverse Osmosis	up to 20 m ³ /h
Demineralization Plant	up to 450 m ³ /h
Condensate Treatment Plant	up to 500 m ³ /h
» Product treatment	
Brine Treatment Plant	up to 450 t/h
Glycerine Purification Plant	up to 5 t/h
» Degasification	
Thermal Degasification including Feed Water Vessels	up to 250 t/h
Catalytic Degasification (cold)	up to 400 m ³ /h
» Partial components	
Automation	
Chemical storage unit (HCl/ NaOH)	up to 30 m ³
Regeneration station for ion exchanger	up to 24 m ³ / day regeneration volume
Mixed Bed Filter Station	up to 300 m ³ /h
Heat exchanger	
» Projecting and planning of/ Engineering for fluid treatment	
Potable water treatment (hardening, iron removal)	up to 120 m ³ /h
Sugar syrup softening and decolouration	up to 10 m ³ /h
Conception + Automation of potable water storage vessels	
» Development of customized fluid treatment plants	
» Service and Maintenance	

The above mentioned plant designs, we provided for example for Bayer, Brita, Henkel, Thyssen, Schering, Shell, RWE, Methanova, Degussa, SDO, Daimler, Ford, Bayern-Oil, BP and many more both national and international.



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