

TURN KEY ELECTRICAL SYSTEMS FOR WASTE WATER TREATMENT PLANTS

ELECTRICAL DRIVES

POWER SUPPLY

AUTOMATION



CONSULTING

TRAINING

ENGINEERING



DESIGNING

INSTALLING

MAINTENANCE

Over 20 years of experience.

ABOUT TECHNIKGRUPPE



Technikgruppe is an Austrian company located in Premstätten near Graz. The headquarter in Premstätten is hosting 40 employees with 25 electronic engineers. TG's offices and engineering partners for waste water treatment plants are placed in

RUSSIA CROATIA SERBIA MACEDONIA KOSOVO ALBANIA

We can build engineering teams with up to 50 engineers for worldwide installations.

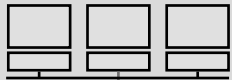


The training of the plant operators is an important part of our services. Our experienced engineers can provide trainings in our offices and on customers plants. We offer following services for tenders:

**WHICH TECHNOLOGY TO CHOOSE
WRITE TENDERS
EVALUATE TENDER OFFERS**

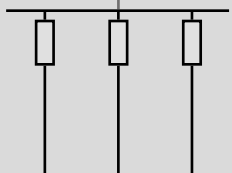


WASTE WATER AUTOMATION SYSTEM



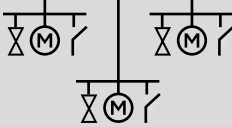
SCADA

- Process information network / strategic control
- Process visualisation, historian data logging
- Tuning of process



DCS/PLC

- Automation and control of process in real time



Sensors/Actuators

- Sensors (analog and digital measurement of process values)
- Actuators (switches, relays, motors, valves)



Main characteristics of our installations

Reliability ...

... with field proven concepts preventing failures and shutdowns

Profitability ...

... with maximal equipment lifetime providing asset management and operating concepts based on best practices and our vast experience

Added value concepts ...

... by adding features that extend tender requirements



Our design considerations

for explosion zones ...

... using certified equipment and equipment wiring according to professional design rules

for high humidity ...

... proper selection of electrical enclosure positioning and ventilation is crucial for extending lifetime of equipment

for fail safe control circuit concepts ...

... fail proofed and reliable automation in order to minimise the risk of environmental pollution

Our experiences in sludge processing

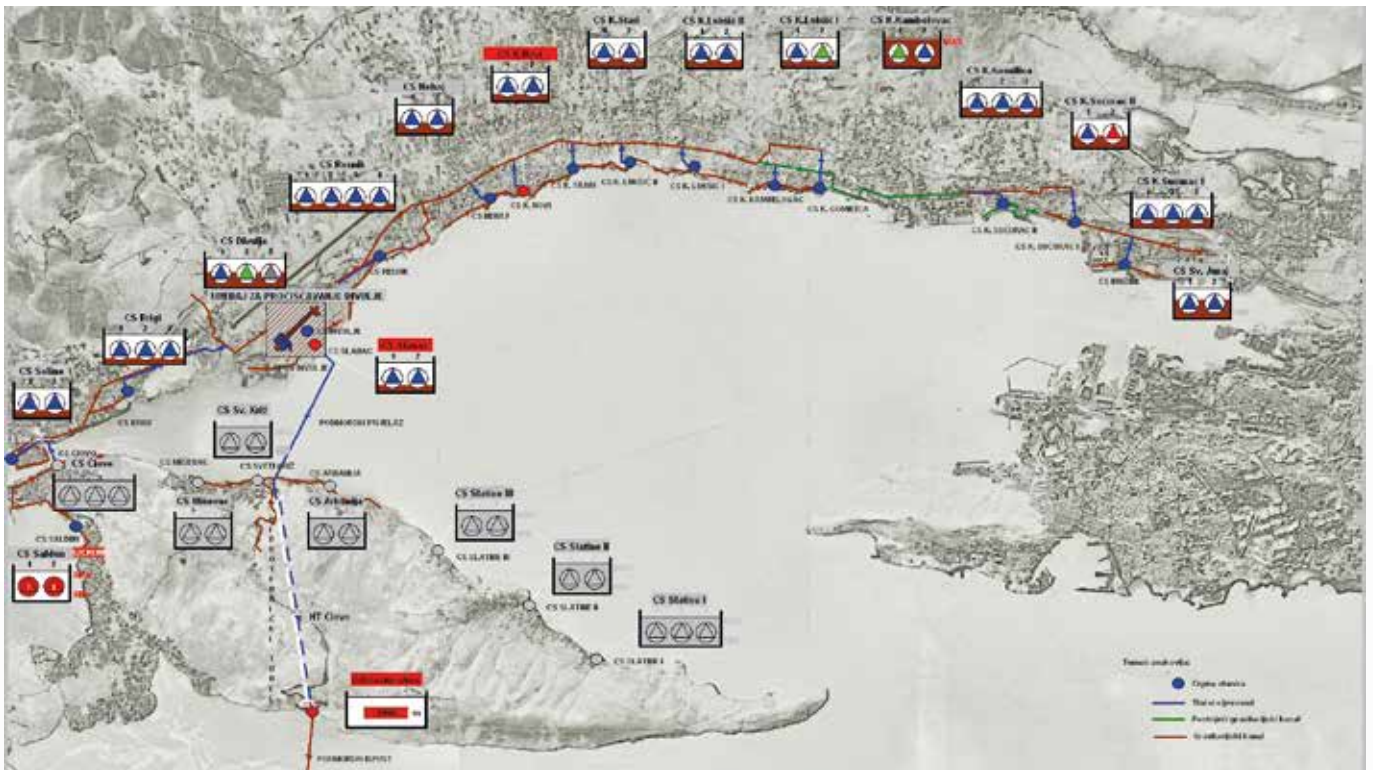
Automation for sludge treatment ...

- Neutralisation of sewer sludge using limestone
- Aerobic and anaerobic pools for NPK equalisation
- Cyclic activated sludge technology

Add on features ...

... biogas generation from sewer sludge

SOME OF OUR REFERENCES (list of references can be sent on request)

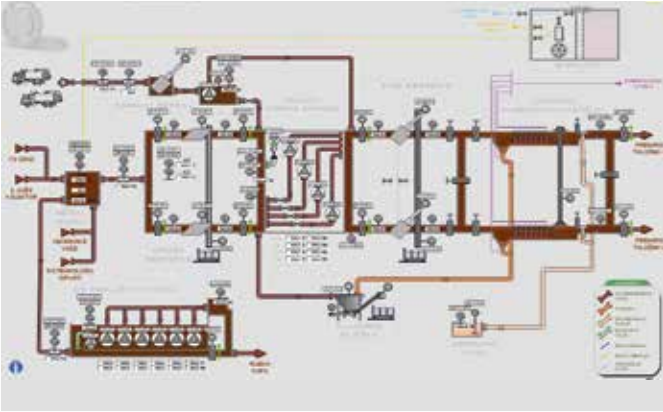


The system contains more than 60 water supply infrastructures (reservoirs, pump stations, chlorinators). All infrastructures are integrated in a central remote monitoring and management system via Profibus-, Ethernet-, Radio- and GPRS-connections.

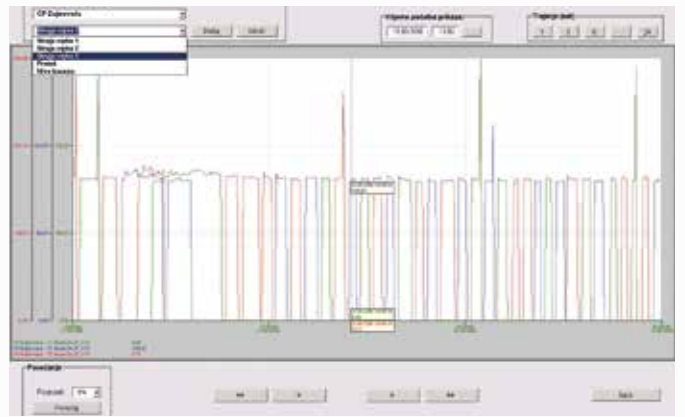


Second stage of purificator with sludge dewatering machine
Capacity of treatment plant: 100.000 PE
Drought period : 17.500 m³/day - Rain period : 27.500 m³/day

TRAINING



Our engineers will train your staff in reliable usage of the SCADA system, remote monitoring and maintenance.



Our trainings and workshops are based on more than 20 years of experience . Your engineers and technicians will be taught in all details for a reliable and secure operation of the plant.

PROCUREMENT



Beneath the electrical and automation system we can also deliver all electrical parts and, if necessary, also pumps and other equipment.



WORLDWIDE LIFETIME SUPPORT

Technikgruppe offers a variety of service contracts in order to keep the system up-to-date throughout its operating time.

In addition to the on-site service support, an online support with a secure Internet remote connection is established.



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