



Clean water
Sustainable environment

WTC-MACRO Headquarter
WTC-MACRO Scandinavia
WTC-MACRO Production
MACRO Products

WTC-MACRO Group

RELIABLE TECHNOLOGIES FOR SUSTAINABLE ENVIRONMENT





WTC-MACRO Group

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MAIN ACTIVITIES

WTC-MACRO is an engineering company group providing european innovative technologies & products to generating cost-effective and environmentally friendly solutions to various types of problems within **water, wastewater, air and gas treatment**.

WTC-MACRO has since 1986 supplied plants and components for different branches, small and large customers in various countries.

Our staff has decades of experience in projecting, manufacturing and supplies of components and systems for industries and municipalities.

OTHER ACTIVITIES

Through a specialized division we also construct and supply *plants for galvanic & chemical surface treatment including recycling systems* and total environmental responsibility.

Our contracting unifies implementation of our know-how and experience with our internally developed or licensed technologies for innovative solutions that deliver efficient and more economical operation.

We offer standard as well as advanced customised solutions, often in form of turn-key plants. Our plants are CE marked and the products are certified according to local and European certification.

PRODUCTS & SYSTEMS

Key components for water and air treatment in various materials are produced in our own manufacturing plant.

Mechanical, physical treatment of water & sludge

- Lamella sedimentation units MACRO®LS
- Gravity sand filter MACRO®G-SF
- Pressure sand filter MACRO®P-SF
- Continuous sand filter MACRO®C-SF
- Drum screen MACRO® Screen
- Alkaline mass filter MACRO®AMF
- Gravity carbon filter MACRO®G-WCF
- Pressure carbon filter MACRO®P-CF
- Continuous carbon filter MACRO®C-WCF
- Process/Bag filters
- Process/Cartridge filters
- Paper band filters
- Shaftless conveyors MACRO®Conveyor
- Shaftless spirals
- Mixers & agitators MACRO® Mix
- Oil separators
- Grease catchers
- Storage tanks for chemicals & water (thermoplastic)
- Containerized systems for drinking water, storm water and pre-treatment plants

Chemical treatment, biological treatment, evaporation

- Flocculation, single & chamber reactors
- Pipe flocculation systems
- Dosing systems for liquid and solid chemicals
- Water softening units
- Driers (top & side fed cabinets)
- Precipitation chemicals Wapur®
- Modular biological WWTP with MBR
- Compact small biological WWTP for hotels and households
- Process instruments
- Atmospheric & vacuum evaporators

Air & gas treatment, ventilation systems

- Scrubbers (horizontal & vertical)
- Fans in thermoplastic for industrial ventilation system
- Active carbon filters
- Droplet separators
- Suction ramps, flap valves & pipe systems

Galvanic & chemical surface treatment

- Systems & components
- Process tanks
- Accessories: adjustable feet, mechanical agitators, supports, anodes
- Service & maintenance platforms



IMPLEMENTATION OF ADVANCED PROCESSES & TECHNOLOGIES

Following are the main processes we use for effective technical solutions. Both own developed and licensed processes and technologies are implemented in our plants.

Water treatment

- Lamella sedimentation systems
- Sand & active carbon filtration
- Particle separation, mechanical treatment of water & sludge
- Chemical precipitation & physical treatment
- Recovery systems for water, metals and chemicals
- Atmospheric & vacuum evaporating systems
- Ion exchanging
- Desalination Plants with implementation of various RO & other kinds of membrane filtration systems
- Aerobic & anaerobic biological treatment
- Dissolved Air Flotation
- Treatment of aggressive liquids
- Galvanic & chemical surface treatment (surface treatment technologies)

Air & gas cleaning, ventilation systems

- Odour control & air and gas treatment



OUR DIVISIONS

Our divisions are professional providers of environment-friendly, cost effective and safe systems. The divisions cooperate to ensure designing plants with high operational efficiency.



WTC-MACRO Headquarter – engineering, production, sales, administration. Supply of plants and products for water, waste water and air treatment. Additionally we also supply surface treatment plants and recycling systems for the galvanic sector.

WTC-MACRO Scandinavia – supply of products, plants and services for treatment of aggressive liquids, water, waste water and air for the Scandinavian market.

WTC-MACRO Production - manufacturing of high quality equipments used for water & air treatment as well as surface treatment plants.

MACRO Products – trade division. Sales, promoting, marketing and distribution of products within water and air treatment as well as heating systems.



REFERENCES

Below are some of the plants which have been supplied for industries and municipalities in different countries. Other references from various fields and applications can be provided on request.

Husqvarna	Sweden	WWTP/WTP Cutting machines, motor saws
Aspocomp	Finland	WWTP/WTP Printed circuit boards
Capinor	Norway	WWTP/WTP Printed circuit boards
Proton Finishing	Sweden	Surface treatment
Ericsson	Sweden	Printed circuit boards
Kindasa Water Services	Saudi Arabia	Lime Dosing and Saturating System-desalination-drinking water
Rudeshur WTP	Iran	Reverser Osmosis -desalination for power plant
Crown Bevcan	Slovakia	WWTP
Sporrong	Estonia	WWTP
Proton Finishing	Estonia	WWTP
Sapa Vetlanda	Sweden	WWTP
Sapa	Sweden	WWTP
Elekon/Schlötter	Russia	WWTP, Air cleaning and ventilation system
Schlötter/ Falkenberg	Sweden	Air cleaning and ventilation system
Schlötter/ Arlanda	Sweden	Air cleaning and ventilation system
Provexa	Sweden	WTP, air cleaning, ventilation
Purus	Sweden	Ventilation, air treatment
Sapa	Sweden	Chemical storage tanks
Elekon	Russia	Chemical storage tanks, dosing station
Galvano	Norway	Chemical storage tanks, dosing station
Mordovcement	Russia	Chemical storage tanks, dosing station
Kraft Foods	Ukraine	Pre-treatment plant, WWTP
Thermosolar	Slovakia	RO plant
FAB	Czech Republic	Dosing equipment
Ericsson	Sweden	WWTP/WTP Printed circuit boards
Vingcard	Norway	Locking systems-surface treatment
Moskvich	Russia	Car production-surface treatment
LK pump	Czech Republic	Sludge treatment
Atev	Hungary	Mechanical treatment equipment/process
Nokia	India	Project/consultancy
Siemens	Germany	Documentation
Crown Bevcan	Slovakia	Documentation/projecting
Joshkar	Russia	WWTP
Holcim	Slovakia	Chemical-physical treatment
Stankoinvest	Russia	Surface treatment plant
Comefin	Romania	Surface treatment plant





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WTC-MACRO Group

is a privately-owned company group providing innovative european technologies & products, to generating cost effective and environmentally friendly solutions to various types of environment and water treatment problems within **water, wastewater, air & gas treatment**. More information you find on our website

www.wtc-macro.com

COMMERCIAL & SCIENTIFIC ASSOCIATES



*The Swedish chamber of
Commerce in Slovakia*



*The Slovak Agency for Investment and
Trade Development*



The Slovak Chamber of Commerce



*The Swedish Water Organization
Vatten*



The European Biogas Association



The International Water Association

AGENTS AND REPRESENTATIVES

We have local representatives in Europe, Middle East and North Africa.
For more details, please use our above mentioned head office contact details.

