



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

Design, Production and Installation of components, systems and plants for **water, wastewater, air and gas treatment** for industries and municipalities.

OTHER ACTIVITIES

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

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.

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
- Continuous sand & carbon filter
- Storage tanks for chemicals & water (thermoplastic)
- Pressure & gravity sand filter
- Pressure & gravity carbon filter
- Bag filters
- Cartridge filters
- Paper band filters
- Drum screen MACRO®Screen
- Mixers, agitators & static mixers, MACRO®Mix
- Oil separators
- Grease catchers
- Containerized systems for drinking water, storm water and pre-treatment plants

Chemical treatment, biological treatment, evaporation

- Precipitation, flocculation 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
- Atmospheric & vacuum evaporators
- Thermoplastic rectangular & cylindrical tanks, pipes, accessories

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

- Air and gas treatment
- Odour control
- Ventilation systems



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.

Stankoinvest	Russia	2015	Surface treatment plant
Comefin	Romania	2015	Surface treatment plant
Säffle förnickling AB	Sweden	2015	Surface treatment plant
Mondelez	Ukraine	2015	Mechanical treatment
Joshkar	Russia	2014	WWTP
Elekon	Russia	2014	Surface treatment plant, Ventilation system
Atev	Hungary	2014	Mechanical treatment equipment/process
Elekon	Russia	2013	Air cleaning and ventilation system
Rybinsk	Russia	2013	Surface treatment plant, Ventilation system
Holcim	Slovakia	2012	Chemical-physical treatment
Siemens	Slovakia	2012	Odour control-active carbon filter
Elekon/Schlötter	Russia	2010	WWTP, Air cleaning and ventilation system
Crown Bevcan	Slovakia	2011	Projecting/Engineering
Schlötter/ Falkenberg	Sweden	2011	Air cleaning and ventilation system
Schlötter/ Arlanda	Sweden	2011	Air cleaning and ventilation system
Provexa	Sweden	2010	WTP, air cleaning, ventilation
Proton Finishing	Estonia	2010	WWTP
Purus	Sweden	2010	Ventilation, air treatment
Sapa Vetlanda	Sweden	2010	WWTP
LK pump	Czech Republic	2009	Sludge treatment
Thermosolar	Slovakia	2009	RO plant
Kraft Foods	Ukraine	2009	Pre-treatment plant, WWTP
Mordovcement	Russia	2008	Chemical storage tanks, dosing station
FAB	Czech Republic	2008	Dosing equipment
Sporrong	Estonia	2008	WWTP
Siemens	Germany	2008	Documentation, manuals RO
Rudeshur WTP	Iran	2007	Reverse Osmosis -desalination for power plant
Kindasa Water Services	Saudi Arabia	2006	Lime Dosing and Saturating System-desalination, drinking water

References before 2005

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
Vingcard	Norway	Locking systems-surface treatment
Ericsson	Sweden	WWTP/WTP Printed circuit boards
Moskvich	Russia	Car production-surface treatment
Nokia	India	Projecting/consultancy





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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 Contractor Association
for water treatment*



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.

