WaterNext
SOLUTIONS

STEEL INDUSTRY PRESENTATION

SOLUTIONS PROPOSED FOR :

WaterNext SOLUTIONS

- ROLLING MILLS
- CONTINUOUS CASTING MACHINE
- ELECTRIC ARC FURNACE
- LADLE FURNACE
- SEAMLESS & WELDED TUBE PRODUCTION
- GALVANIC PROCESS
- HEAT TREATMENT

OUR TECHNOLOGIES

WaterNext SOLUTIONS

SETTLERS WITH “GO & RETURN” SCRAPING BRIDGE

RECTANGULAR TYPE

CIRCULAR TYPE

OUR TECHNOLOGIES

WaterNext SOLUTIONS

FILTRATION BY QUARTZ MDEIA FOR SUSPENDED SOLIDS REMOVAL

WaterNext SOLUTIONS

MICRO FILTRATION

FOR REMOVAL OF MICRO SUSPENDED SOLIDS

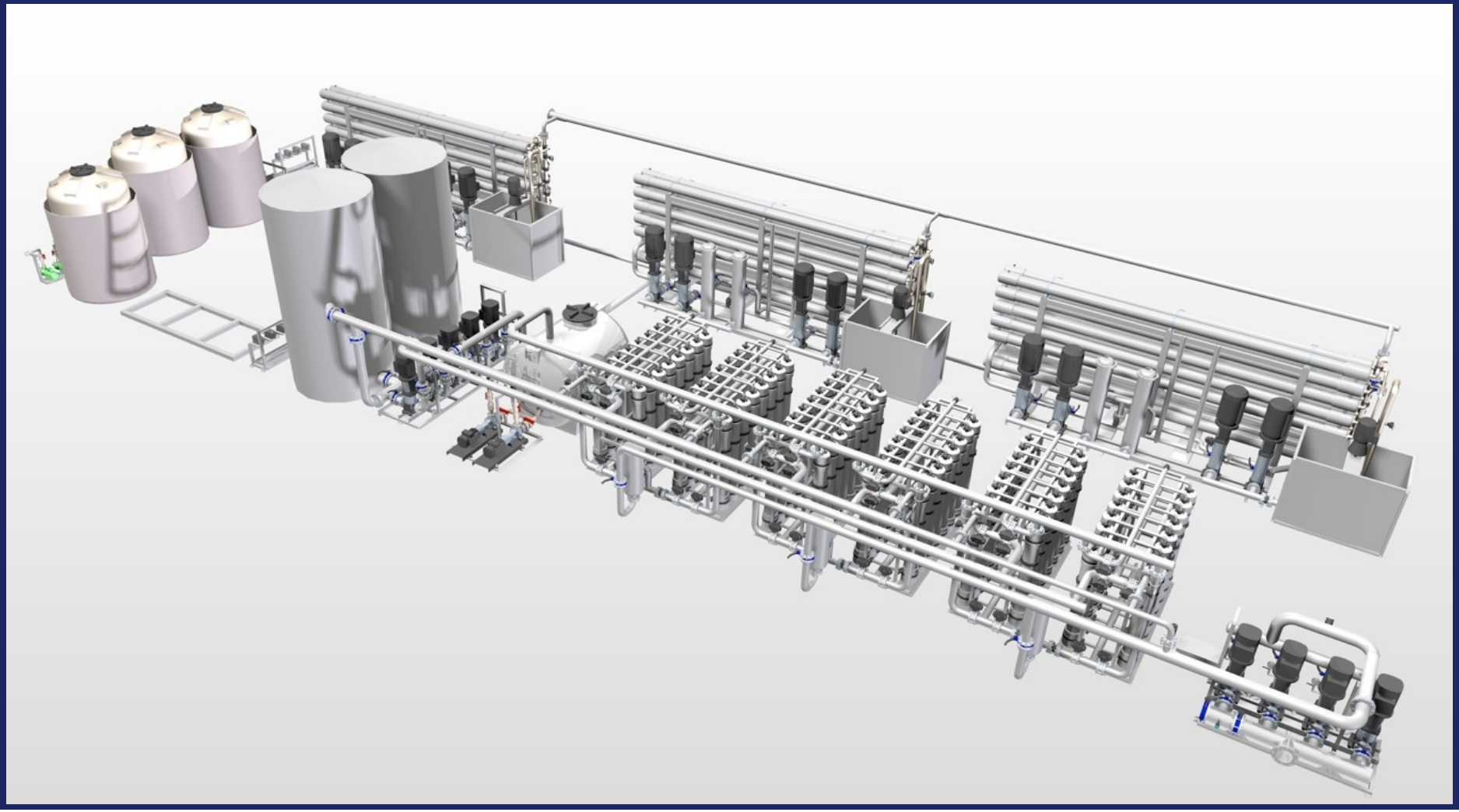
WaterNext SOLUTIONS

REVERSE OSMOSIS

MULTI STAGE REVERSE OSMOSIS PLANT

3D - MICRO FILTERATION AND REVERSE OSMOSIS

WaterNext SOLUTIONS



SOME REFERENCES

WWTP FOR MARCEGAGLIA STEEL WORKS

Location : Mantua, Italy
Capacity : Two line, each with a capacity to treat 150m3/h
Type of Plant : Chemical - physical plant including biological treatments, followed by modules specifically designed to treat byproducts of carbon steel and stainless steel production as well as water used for washing machinery along the production lines.

The plant is equipped with a series of Sophisticated sensors at the outlet which test the discharge water for heavy metals and chemicals before it is released into approved superficial canals.

SOME REFERENCES

MARCEGAGLIA, Europe's largest processor, chose as preferential partner for water treatment solutions.

More than 5 water treatment plants supplied for the production installation.

SOME REFERENCES

ARSTENWOOD IN TAGANROG CITY - TMK GROUP

Location :
Taganrog City - Russian Fed

Customer :
Arstenwood Hold Ltd. - TMK Group
Water Treatment plants : Waste Water treatment plant composed of: - Make-up water treatment

- Indirect cooling circuit 1
- Indirect cooling circuit 2

The metallurgical manufacturing and working industry is one of the most developed sector in the Russian territory. The biggest production concerns of steel are capillary present in the whole country.
One of the biggest worldwide Group for the manufacturing of pipes decided to award with an important project for one of their associate companies.

The project consists of the design and supply of a water treatment plant at the service of the Electrical Arc Furnace, treating waste water coming from steel working process. A water treatment plant able to treat upto 3.030 m3/h of wastewater, means 59.280 m3/day by means of a cooling system by dry-coolers and cooling towers, by means of a big size ULTRAFILTRATION and REVERSE OSMOSIS Plant after an important flotation system.

SOME REFERENCES

WaterNext SOLUTIONS

ARSTENWOOD IN SVERDLOVSK REGION - TMK GROUP

Location : Sverdlovsk region - Russian fed.

Customer : Arstenwood Hold Ltd. - TMK Group (Seversky Company)

Water Treatment plants : Waste Water treatment plant composed of : -Quartz filtration unit
- Settling section
- Water cooling unit

Raw Water Source : Wastewater coming from steel working process

Capacity :
-60,000 m3/day (2500 m3/h)

Another important associate company of TMK GROUP located at the border of Siberia in the Urals decided to choose us as supplier of one of the biggest project never realised in water treatment for Steel plant.
The project consisted in realizing a WATER TREATMENT PLANT at service of the FQM process. The plant designed for a total flow-rate of 60.000 m3/day (2.500 m3/h) is composed of following treatments.
-Settling section by means of Sedimentators with “Cross Flow” lamella packs duly studied for this specific application.

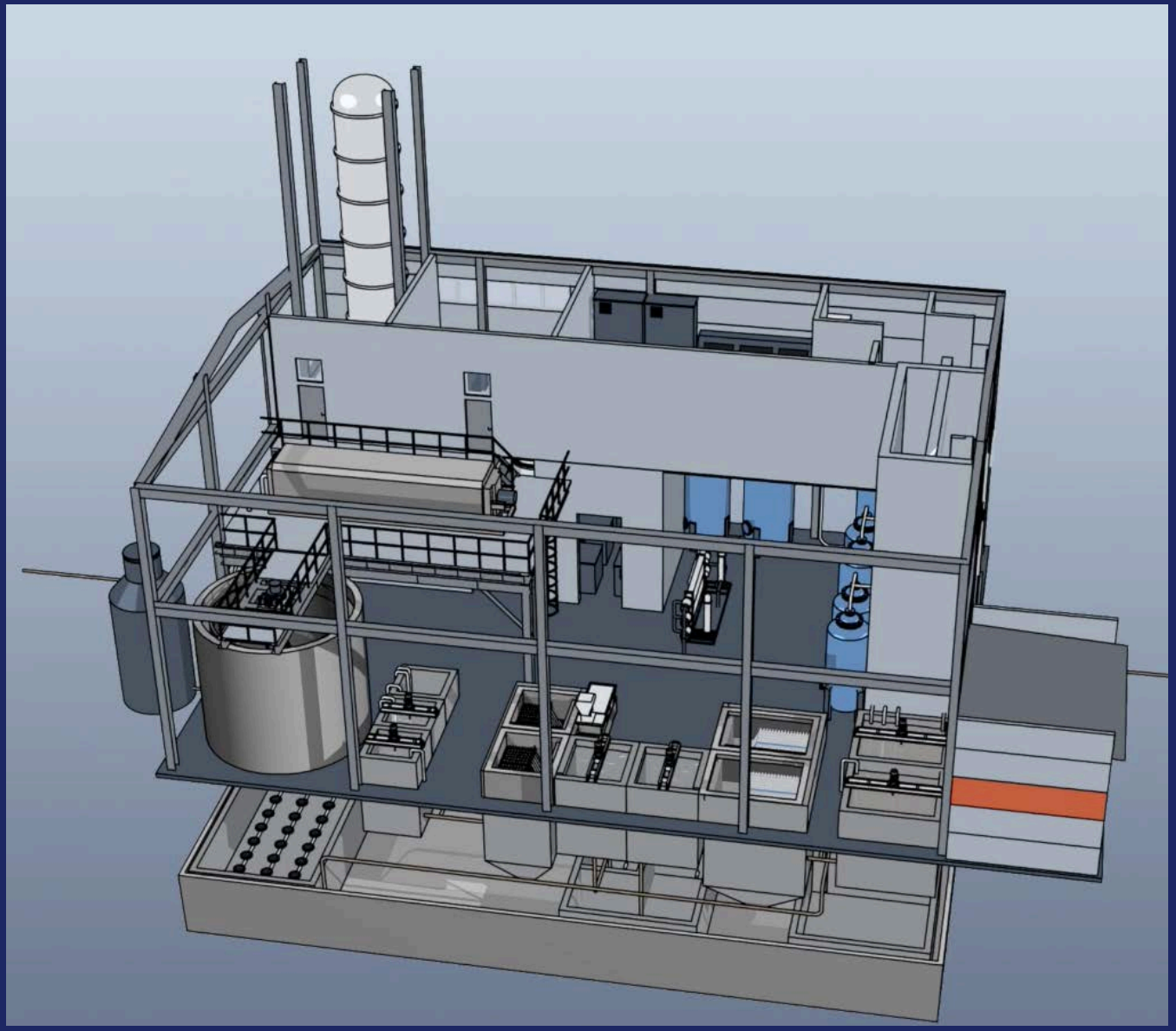
- A filtration unit composed of n 6 big size sand filters.
- Water cooling section by Cooling Towers
- Thickening and dehydration of sludge

SOME REFERENCES

WaterNext SOLUTIONS

MMK - MAGNITOGORSK IRON & STEEL WORKS

The project consists of a filtration unit of 7.000 m3/ h composed of 15 filters with 5 meters diameter.



WaterNext SOLUTIONS

GALVANISATION & PHOSPHATATION - TMK TAGANROG

PLANT FOR OIL REMOVAL AND CONCENTRATION - TMK TAGMET RUSSIA

WaterNext SOLUTIONS

PLANT FOR OIL REMOVAL AND CONCENTRATION - TMK TAGMET RUSSIA

WaterNext SOLUTIONS

WaterNext SOLUTIONS

THANK YOU