

HIDR FILT

*Environmentally friendly water treatment technologies
For industry and municipalities*



Introduction

Hidrofilt Group has been carrying out its activities in the fields of industrial water treatment, drinking water and industrial wastewater treatment since 1990.



Hidrofilt Group



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SINCE
1990

**> 30 years of
experience**



**100% private
company**



**> 6200 m²
production area**



**100% solar energy
fueled production**



**> 4000 references
in 35 countries**



**> 160 employees
> 70 engineers**



**> 100 monitored
systems**



**> 200 containerized
water treatment systems**

All services under one roof



ECO
ENGINEERING

Project management



GREEN
DESIGN

Design



ECO
PRODUCTION

Production



GREEN
CONSTRUCTION

**Project implementation
and commissioning**



PLUG AND
PUMP

**HidroWell mobile water
treatment systems**



ECO
OPERATION

**Operation and
maintenance**



GREEN
MONITORING

**Remote surveillance
and monitoring system**



ECO FRIENDLY
CHEMICALS

**Spare parts and
chemical supply**



GREEN R+D

**Research and
development**



GREEN
CONTROL

**Quality
management**



Oil, gas and chemical industry



Implementation of a treatment system for the production of desalinated process water and boiler feed water from river water for the chemical industry.

BorsodChem Plc. / Hungary

900 m³/h UF + 500 m³/h RO • 250 m³/h RO + 215 m³/h CEDI



Oil, gas and chemical industry



Complete implementation of a treatment system for the production of fine-desalinated process water from the Danube river for the oil industry.

Slovnaft A.S. CHUV II.-III. / Slovak Republic
750 m³/h UF | 600 m³/h RO • 840 m³/h MX



Oil, gas and chemical industry



Complete implementation of a treatment system for the production of fine-desalinated process water from the Danube river for oil refinery and hydrogen production purposes.

MOL Plc. Százhalombatta / Hungary

installed into 14 pcs of 40' standard containers

200 m³/h UF • 520 m³/h RO • 320 m³/h MC • 200 m³/h MX



Oil, gas and chemical industry



Complete implementation of a water treatment system
or the production of fine-desalinated water from surface
water for the production of raw materials for rubber.

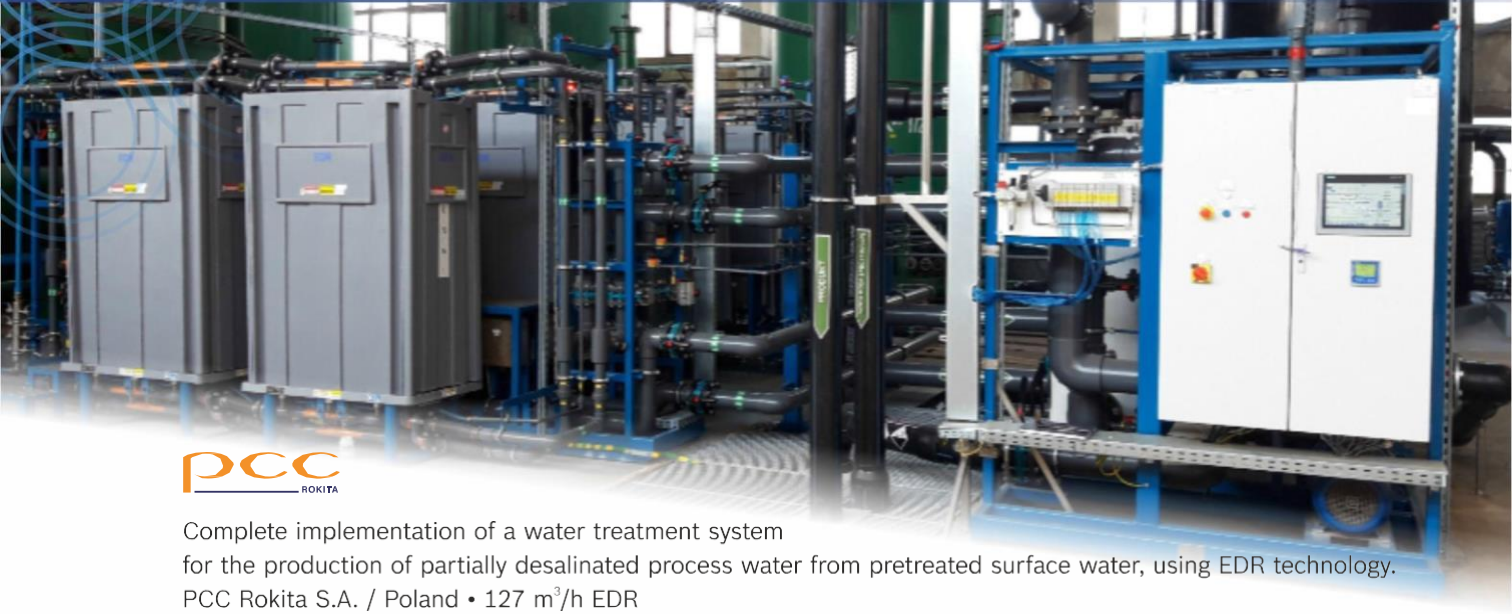
JSR MOL Synthetic Rubber Zrt. / Hungary

258 m³/h DAF • 162 m³/h UF

66 + 48 m³/h RO • 40 m³/h MC



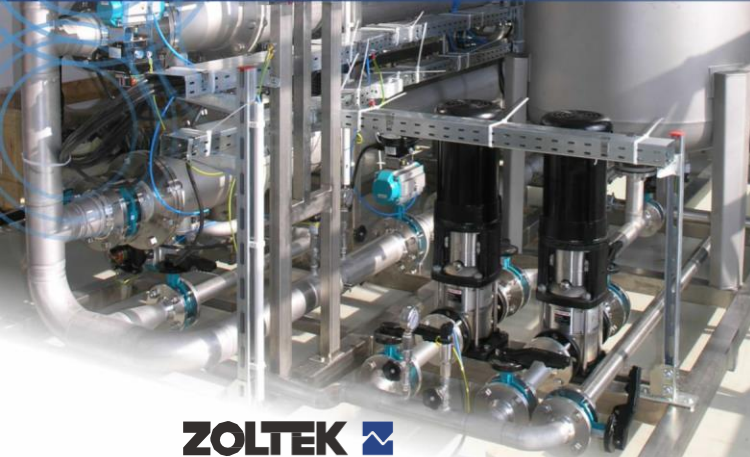
Oil, gas and chemical industry



pcc
ROKITA

Complete implementation of a water treatment system
for the production of partially desalinated process water from pretreated surface water, using EDR technology.
PCC Rokita S.A. / Poland • 127 m³/h EDR

Oil, gas and chemical industry



ZOLTEK 
Toray Group

Dimethylformamide filtration with membrane
chnology for the production of carbon fibre.
Zoltek Plc. / Mexico • 10 m³/h
Zoltek Plc. Toray Group / Hungary • 10 m³/h



Oil, gas and chemical industry



Fine-desalinated process water system for tire manufacturing.

Apollo Tyres Ltd. / Hungary
2 x 30 m³/h DPRO

apollo
TYRES

Fine-desalinated process water system for tire manufacturing.

Hankook Tire Hungary Ltd. / Hungary
135 m³/h MMF / RO

HANKOOK

Lime sludge thickening system with sludge pressing for chemical plant.

Anwil Group / Poland

Anwil® GRUPA ORLEN

Energy sector



Installation of a system for the production of fine-desalinated water from the Danube river for nuclear power plant use.
MVM Paks Nuclear Power Plant Plc. / Hungary
400 m³/h UF • 360 m³/h RO • 250 m³/h CEDI

Energy sector



Design and manufacturing of
a water treatment system for the
production of process water from pre-treated seawater.
Alpha Utilities LLC / United Arab Emirates
20 m³/h MMF / DPRO / CEDI • 25 m³/h RO / CEDI



Energy sector



Complete implementation of a water treatment plant for the production of fine desalinated water from pre-treated surface water for power plant use.

PGE Górnictwo i Energetyka S.A. / Poland

3 x 30 m³/h DPRO / UV / MX

Energy sector



THE LINDE GROUP

Complete implementation of a water purification plant for H₂ production.

Water quality: Ultrapure water (UPW) Electro conductivity: 0.06 $\mu\text{S}/\text{cm}$

H₂ production: 4000 m³/h, 24 MW

Linde Engineer / Germany Leuna

Energy sector



Complete implementation
of a water purification plant, treating surface water
to produce technological water for power plant use.

Tauron Wytwarzanie S.A. / Poland

2 x 80 m³/h IBS / RGF / UF • 200 m³/h IBS / RGF / UF / DPRO / EDI



Energy sector



Complete implementation of fine-desalinated
technological water production system.
Kazatomprom Plc. / Kazakhstan
16 m³/h RO / CEDI

Electronics industry



Production of demi water and highly-purified water from drinking water and purified wastewater for the microelectronics industry.

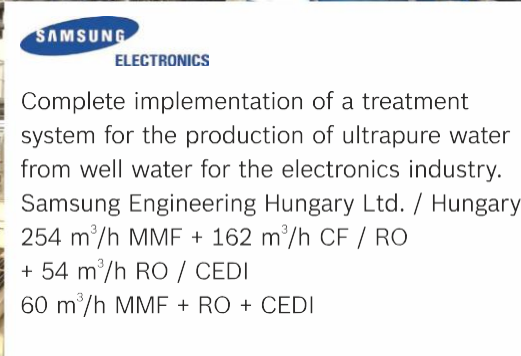
Complete implementation of the water treatment system.

Ecosolifer Ltd. / Hungary

12 m³/h demi water • 12 m³/h high-purity water



Electronics industry



Complete implementation of a treatment system for the production of ultrapure water from well water for the electronics industry.
Samsung Engineering Hungary Ltd. / Hungary
254 m³/h MMF + 162 m³/h CF / RO
+ 54 m³/h RO / CEDI
60 m³/h MMF + RO + CEDI

Electronics industry



Technological water
and industrial wastewater
treatment for copper foil production.

Doosan Hungary Ltd. / Hungary

Technological water treatment

90 m³/h DPRO / CEDI + 20 m³/h MMF / RO

Industrial wastewater treatment

50 m³/h chemical treatment / UF / DPRO / evaporation

Pharmaceutical industry



RICHTER GEDEON

Design, manufacturing and on-site installation of a water treatment system for the production of pharmaceutical, PW and HPW grade purified water from potable water. FAT, SAT IQ/OQ testing and commissioning.

Richter Gedeon Plc. / Hungary, Romania

2 x 30 m³/h RO / CEDI RO+CEDI Budapest • 3 x 6 m³/h DPRO / CEDI DPO+CEDI Dorog

2 x 5 m³/h DPRO / CEDI DPRO+CEDI Târgu Mureș



Pharmaceutical industry



Pharmacopeial quality HPW grade purified water treatment system.

Béres Gyógyszergyár Plc. / Hungary
1,5 m³/h DPRO



Pharmacopeial quality PW and HPW grade purified water treatment systems with sanitation system.

Human Bioplazma Ltd. / Hungary
8 m³/h DPRO - PW
8 m³/h DPRO / EDI / UF - HPW



Pharmacopeial quality HPW grade purified water treatment systems with sanitation system.

Becton & Dickinson Plc. / Hungary
2 x 4 m³/h RO / CEDI



Purifying and reusing industrial wastewater



Purification and recycling of waste water from the manufacture of aircraft parts with ZLD technology.
GE Aviation Hungary Ltd. / Hungary
100 m³/day



Agriculture and food industry

Irrigation and feed-water production for greenhouse tomato cultivation.

Greencoop Group / Slovakia

30 m³/h



Production of desalinated water and boiler feed water treatment in pet food production.

Piko-Pet Food Ltd. / Hungary

20 m³/h



Irrigation and feed-water production for greenhouse tomato cultivation.

Majsai Garden Ltd. / Hungary

40 m³/h



Water treatment system for iron, manganese and ammonia removal from well water for aroma production.

Givaudan Hungary Ltd. / Hungary

58 m³/h



Irrigation and feed-water production for greenhouse tomato cultivation.

Farma Ráječek / Czech Republic

16 m³/h



Complex water treatment using surface water for starch production. Treatment of cooling-cycle makeup water, boiler feed water and technological water

Viresol Ltd / Hungary

100 m³/h



Agriculture and food industry

Product and technological water for the pasteurization process during the production of energy drinks.

Hell Energy Hungary Ltd. / Hungary

365 m³/h



Product and technological water for the pasteurization process during beerproduction.

Dreher Breweries Plc. / Hungary

100 m³/h



Production of technological water with ultrafiltration for the food canning industry.

Globus Cannery Plc. / Hungary

150 m³/h



Treatment of well water and implementation of technological desalination systems for animal farms, slaughterhouses and meat processing plants.

Bonafarm Group / Hungary

182 m³/h



Provision of food industry grade desalinated water from well-water for canning processes.

Univer Product Plc. / Hungary

40 m³/h AMF / RO



Drinking water treatment

DRINKING WATER WITH HIDROFILT TECHNOLOGY



**> 1.2 million
people**



**> 2.7 million
people**



Drinking water treatment



**Water Board
Sri Lanka**

Rehabilitation of Labugama and
Kalatuwawa Water Treatment

Plants: removal of suspended solids, iron, manganese, ammonia and color from the reservoir water. Complete implementation of the technology, including the provision of continuous plant operation.

90 000 + 60 000 m³/day

Drinking water treatment

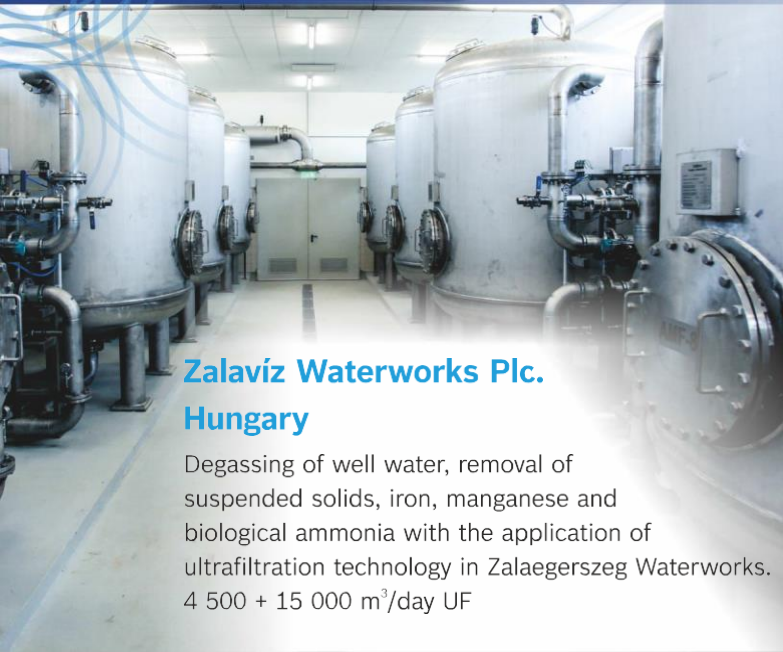


Mivíz Waterworks Ltd. / Hungary

Removal of suspended solids from well water
and application of ultrafiltration system
for safety reasons at Miskolc Waterworks.

33 000 m³/day UF

Drinking water treatment



Zalavíz Waterworks Plc.
Hungary

Degassing of well water, removal of suspended solids, iron, manganese and biological ammonia with the application of ultrafiltration technology in Zalaegerszeg Waterworks.
4 500 + 15 000 m³/day UF



HidroWell© mobile water treatment plants



HidroWell mini

Pallet-sized, mobile water treatment system that can be transported by helicopter or speedboat. It can also be widely used in disaster situations. A combined system capable of producing drinking water from surface water, well water and seawater.

HidroWell© mobile water treatment plants



HidroWell-A3 mobile seawater desalination plants

Systems using ultrafiltration /UF/ and reversed osmosis /SWRO/ including an energy recovery system and remote monitoring.

Tunisia / EU • 50 m³/day



Agence des Ports et des Installations de Pêche



HidroWell© mobile water treatment plants



HidroWell-A2 mobile drinking water treatment plants for well water

Fully automated systems for reduction of iron, manganese, arsenic and boron content.

More than 180 settlements / EU
200 m³/day MMF / AMF / AS

Kyrgyzstan, Iraq • 200 m³/day MMF / RO



General Staff of the Armed
Forces of the Kyrgyz Republic



Hungarian
Interchurch Aid

HidroWell© mobile water treatment plants



HidroWell-A1 mobile drinking water treatment plants for surface water

Widely applicable mobile drinking water treatment units with ultrafiltration technology.

EU / Peru / Cuba / Ecuador • 200 m³/day



„We are building a world, where all human and living beings have access to healthy drinking water and where all industrial companies recycle and reuse their wastewater.”

Borsos Ferenc - founder of Hidrofilt Group

A handwritten signature in white ink, appearing to read "Borsos Ferenc".

Together for our future...



HIDR *FILT*



Hungarian
Water
Technology
Corporation



HUNGARIAN CHAMBER
OF COMMERCE
AND INDUSTRY



POLSKO-WĘGIERSKA
IZBA GOSPODARCZA



South West Hungarian
ENGINEERING CLUSTER