



**JURBY WATERTECH  
INTERNATIONAL**

**ENGINEERING DIVISION**





Mission - Jurby WaterTech International implements innovative and effective water treatment technologies for all spheres of human life.

Actively developing, technologically integrated engineering and chemical company. The international leader in industrial and drinking water treatment field.





# JURBY WATERTECH INTERNATIONAL GEOGRAPHY OF PROJECTS

## Countries we work with:

Kazakhstan,  
Uzbekistan, USA,  
Lithuania, Latvia,  
Estonia, Belarus,  
Ukraine, Great Britain,  
Saudi Arabia, Egypt,  
Vietnam, Bahrain,  
Kyrgyzstan, Myanmar,  
and Romania.





# INDUSTRIES WE WORK

OIL REFINING AND  
PETROCHEMICAL



OIL AND GAS INDUSTRY



MUNICIPAL UTILITIES SECTOR



AGROCHEMISTRY AND  
FERTILIZER INDUSTRY



METALLURGICAL INDUSTRY



AGRO-INDUSTRY



CHEMICAL INDUSTRY



POWER ENGINEERING  
INDUSTRY



COAL AND MINING



PHARMACEUTICAL INDUSTRY



FOOD INDUSTRY



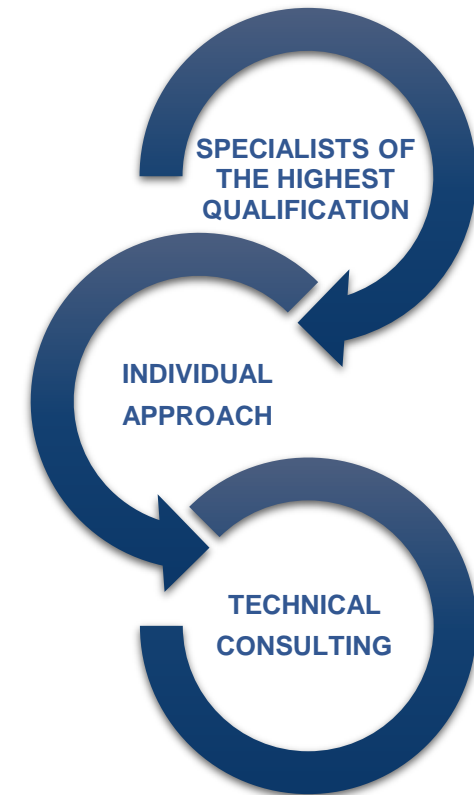




# OPPORTUNITIES AND BENEFITS OF PRODUCTION CAPACITIES



- American Association of Technical Engineers Certificate of Recognition and Approval ASME S, ASME U, ASME U2.
- Certificate "American Petroleum Institute" on the recognition of conformity with the API Q1 specification.
- Certificate from the "National Board Of Boiler And Pressure Vessel Inspectors" granting the right to use the symbol R.
- Certificate ISO 9001-2016 (9001:2015)





# JURBY WATERTECH INTERNATIONAL PRODUCTION FACILITIES

## INTERNATIONAL QUALITY STANDARDS

The production base of the company, with an area of 5500 m<sup>2</sup>, is equipped with modern equipment, machine tools, fixtures and tools from leading world manufacturers.

All production processes are certified in accordance with ISO 9001 as well as international standards ASME and EN.

Much attention is paid to modern and efficient methods of organizing, maintaining and managing production processes.



**WELDING WORKSHOP**



**ASSEMBLY WORKSHOP**



**LONG-TERM WAREHOUSE**



**LOGISTICS CENTER**





# JURBY WATERTECH INTERNATIONAL SUPPLIERS:

The company cooperates with world-renowned key suppliers and has agreements that guarantee the uninterrupted supply of components and materials for equipment manufacturing projects.

Jurby Watertech customers are freed from the difficult choice of suppliers and coordination of individual parts of the project, we optimize the financial costs of the client and reduce the likelihood of errors.



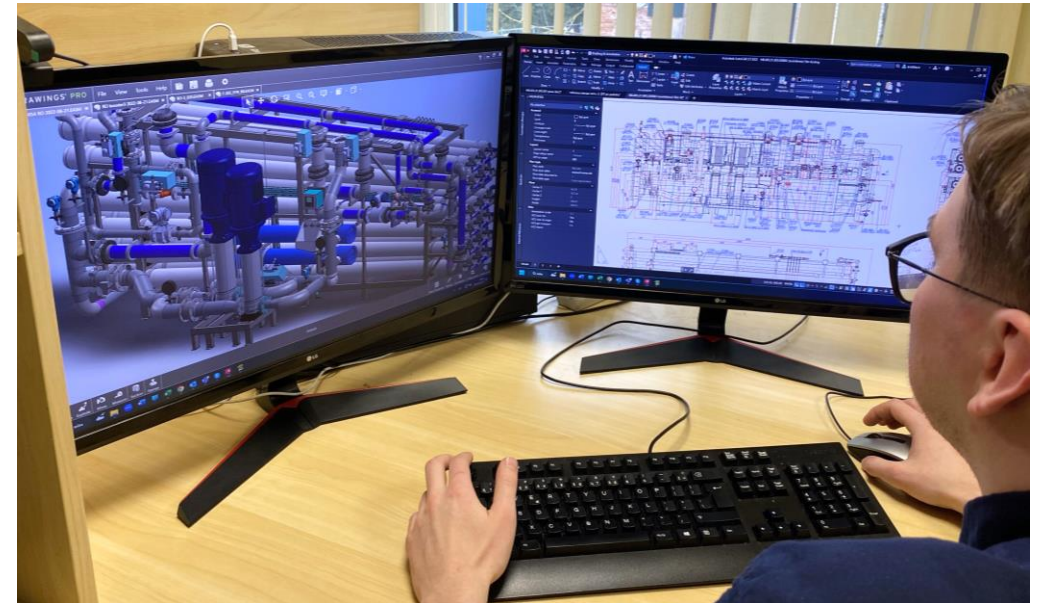


# ENGINEERING DIVISION

## SERVICES PROVIDED

Technological solutions for water and wastewater treatment, high-quality “turnkey” project implementation, service maintenance of industrial and drinking water purification and treatment equipment.

- “Turnkey” project implementation;
- Inspection and analysis of the water treatment systems effectiveness;
- Development of optimal engineering solutions;
- Pilot tests;
- Feasibility studies;
- Equipment manufacturing;
- Installation supervision;
- Commissioning;
- Training of operating personnel;
- Service;
- Project management;
- Warranty service.





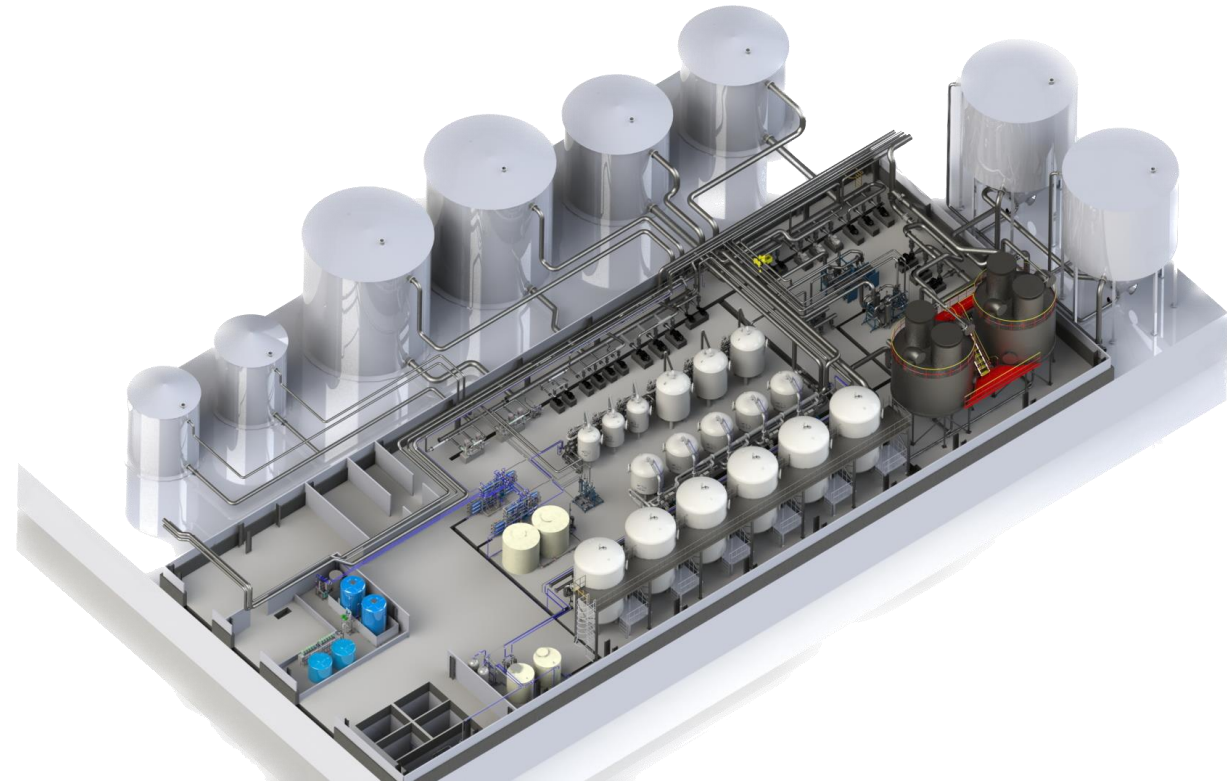


# JURBY WATERTECH INTERNATIONAL TAILOR-MADE OEM SOLUTIONS

## DESIGNING

We provide basic and detailed design, 3D modeling including final design, specifications, water treatment process technology selection, equipment sizing, and electrical and automation design.

Engineers rely on advanced technology to meet customer requirements and provide high quality water treatment systems. Each application is considered individually, taking into count all the features of the project.





# PROVIDED SERVICES **JURBYFLOW**



## **ULTRAFILTRATION SERIES UF**

Designed to remove from natural and wastewater:

- suspended solids;
- colloidal impurities, iron, aluminum, humates;
- turbidity and color of water;
- SDI < 3.



## **REVERSE OSMOSIS SERIES RO**

Designed to remove dissolved impurities and desalinate water with minimal consumption of chemicals.



## **ELECTRODEIONIZATION SERIES EDI**

Designed for deep water desalination reducing electrical conductivity to 0,1  $\mu$ S by combining ion exchange and electro dialysis methods.



## **MEMBRANE DEGASSING SERIES MDE**

Designed to remove dissolved gases (oxygen, carbon dioxide, etc.) from water.



# PROVIDED SERVICES **JURBYFLOW**



## SEA WATER DESALINATION

Reverse osmosis (RO) is the most widely used membrane desalination technology designed to desalinate water with minimal consumption of chemicals.

Membrane processes use reverse osmosis and high pressure to force saltwater through very fine, porous filters that retain the salts, leaving pure water on one side of the membrane and the waste stream on the other side.

The salts and other impurities are retained on the side of the saltwater supply. RO is efficient for low or high concentrations of salts and can thus be used to treat brackish water as well as seawater.





# PROVIDED SERVICES **AQUAHARD**



## **ION EXCHANGE FILTRATION PLANTS SERIES I**

Designed for purification of natural and wastewater from dissolved impurities by ion exchange technology.



## **PUMP STATIONS SERIES P**

Designed to supply and increase the pressure of water, effluents, pumping out drains and sludge.



## **CLEAN-IN-PLACE UNIT SERIES CIP**

Designed for ultrafiltration, reverse osmosis or electrodeionization membranes chemical cleaning without disassembly or dismantling in order to restore the original membranes performance.



## **DOSING UNIT SERIES MX**

Designed for dosing chemical solutions such as:

- Coagulants and flocculants;
- Acids and alkalis;
- Antiscalants and biocides;
- Nutritional Supplements for MBR.



## **FILTRATION UNIT SERIES MF AND AC**

MF – to purify by pressure filtration removing suspended solids, iron and manganese.

AC – to purify from toxic substances, dissolved impurities, gases, heavy metals, improve odor, taste and color by sorption filtration.





# PROVIDED SERVICES GREENFORT



## MEMBRANE BIOREACTOR SERIES MBR

Designed for biological wastewater treatment reducing organic impurities, biogenic substance, suspended solids and colloids to permissible concentration in waterbodies.



## OIL TRAP SERIES OS

Designed as thin-layered settling tank for the wastewater, which contains oil products, treatment. It serves to separate suspended sediments from wastewater and to collect pop-up oil products.



## FLOTATOR SERIES FL

Designed to reduce high concentrations of suspended solids, oil products and other emulsified liquid substances in wastewater.



## SLUDGE TREATMENT PLANT SERIES ST

Technological solution for sludge from wastewater treatment by dehydration and thickening and pretreatment of natural waters.



## **CLARIFIER SERIES CD**

Designed to purify natural and wastewater from suspended solids and coarse impurities at about 6-8 m/h operating deposition rate.

### **SCOPE OF APPLICATION:**

- Pretreatment in industrial water treatment systems;
- Removal of suspended solids and coarse impurities during disposal of waste and wastewater.





DIVISION OF ENGINEERING

# LIST OF COMPLETED PROJECTS

BEVERAGE AND BEER INDUSTRY





## BRIDGNORTH ALUMINIUM LTD.

### INTENDED PURPOSE:

Process water.

### TECHNOLOGY:

Filtration unit 10 m<sup>3</sup>/h;

Softening unit 10 m<sup>3</sup>/h;

Reverse Osmosis unit 7,5 m<sup>3</sup>/h.







## OKHTYRKA BREWERY JSC

### **INTENDED PURPOSE:**

Expansion of the existing WTP;  
technology needs.

### **TECHNOLOGY:**

Filtration unit 30 m<sup>3</sup>/h;  
Reverse Osmosis unit 28 m<sup>3</sup>/h;  
CIP system;  
UV- disinfection plant 20 m<sup>3</sup>/h.





## KRASYLIVSKE BREWERY

### **INTENDED PURPOSE:**

Process water.

### **TECHNOLOGY:**

Deironing F 110 m<sup>3</sup>/h;  
sorption plant 110 m<sup>3</sup>/h;  
softening unit 110 m<sup>3</sup>/h;  
Reverse Osmosis unit 5x15 m<sup>3</sup>/h.





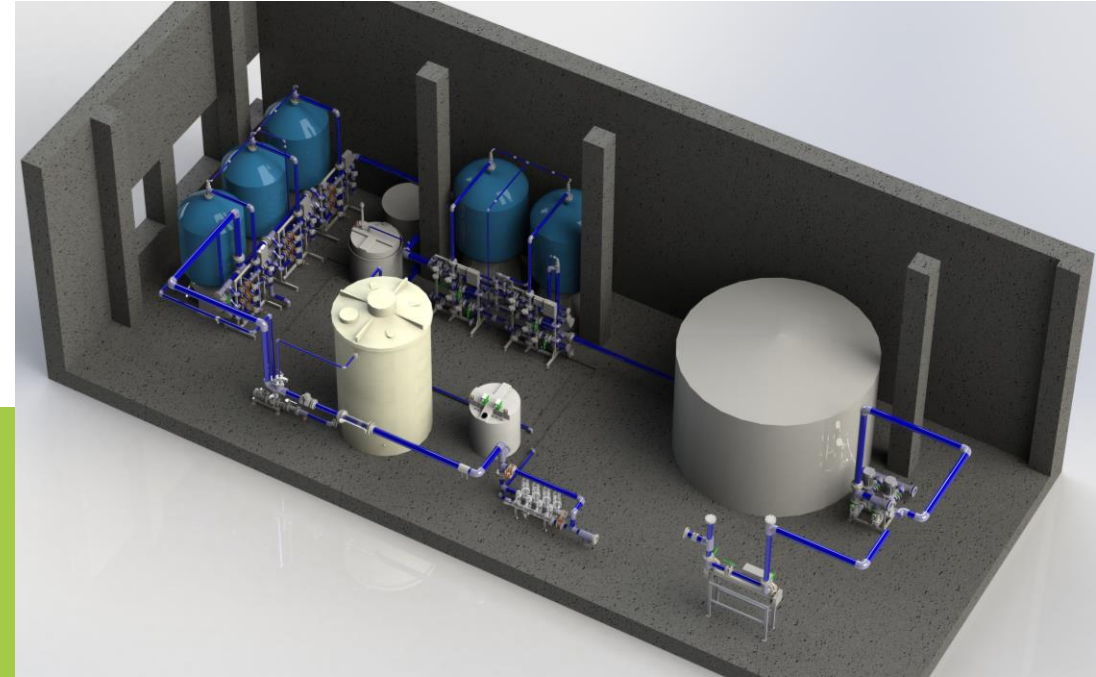
## PERSHA PRIVATNA BROVARNYA BREWING COMPANY

### INTENDED PURPOSE:

Process water.

### TECHNOLOGY:

Filtration unit 60 m<sup>3</sup>/h;  
Sorption unit 40 m<sup>3</sup>/h;  
hydrogen cycle 40 m<sup>3</sup>/h;  
UV-disinfection unit 40 m<sup>3</sup>/h.





## **CARLSBERG GROUP: SLAVUTICH BREWERY, KIEV**

### **INTENDED PURPOSE:**

Process water.

### **TECHNOLOGY:**

Filtration 100 m<sup>3</sup>/h;

Hydrogen cycle;

Expansion of WTP from 140 m<sup>3</sup>/h to 200 m<sup>3</sup>/h.







## **CARLSBERG GROUP: SLAVUTICH BREWERY, ZAPOROZHYE**

### **INTENDED PURPOSE:**

Process water.

### **TECHNOLOGY:**

Filtration;  
Hydrogen cycle;  
Activated carbon filters;  
Degasser;  
UV-disinfection plant 110 m<sup>3</sup>/h.





## OBOLON BREWERY

### INTENDED PURPOSE:

Process water.

### TECHNOLOGY:

Filtration unit 60 m<sup>3</sup>/h;  
softening unit 40 m<sup>3</sup>/h  
Filtration unit 54 m<sup>3</sup>/h  
Filtration unit 40 m<sup>3</sup>/h;  
hydrogen cycle 40 m<sup>3</sup>/h;  
sorption plant 40 m<sup>3</sup>/h;  
Filtration unit 36 m<sup>3</sup>/h.





## PIT BREWERY, NOVOTROICK

### **INTENDED PURPOSE:**

Process water.

### **TECHNOLOGY:**

Filtration unit 195 m<sup>3</sup>/h;

Sorption unit 195 m<sup>3</sup>/h;

Nanofiltration unit 160 m<sup>3</sup>/h;

Softening unit 20 m<sup>3</sup>/h;

Sorption unit 20 m<sup>3</sup>/h.







**THANK YOU!**

**JURBY WATERTech INTERNATIONAL**

[www.jurby.com](http://www.jurby.com)