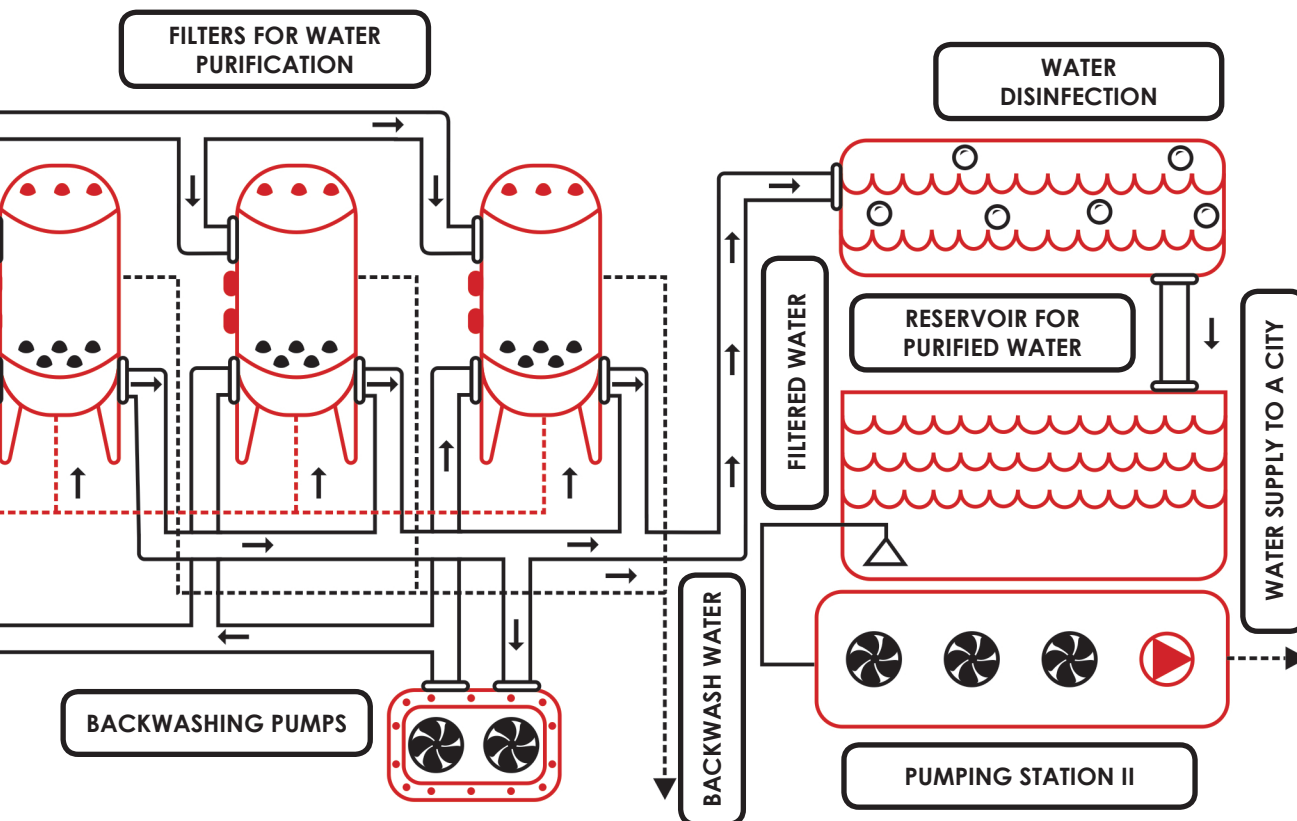




## SERVICES PROVIDED BY ARGINTA

ARGINTA PROVIDES THE FOLLOWING MAIN SERVICES IN THE FIELD OF SEWAGE DISPOSAL, WASTEWATER AND SLUDGE TREATMENT, WATER SUPPLY AND PURIFICATION:

- Technical Assessment of Engineering Infrastructure.
- Complex Selection, Design and Implementation of Technology.
- Management and Execution of Contractor Projects.
- Production, Supply and Installation of Technological Equipment.
- Start-up and Commissioning of Processes.
- Technical Maintenance and Repair of Equipment.
- Expertise of Projects.



## ABOUT ARGINTA

THE MAIN ARGINTA'S BUSINESS FIELD IS WATER MANAGEMENT: SEWAGE DISPOSAL, WASTEWATER AND SLUDGE TREATMENT, WATER SUPPLY AND PURIFICATION.

MORE THAN **130** VARIOUS WATER MANAGEMENT PROJECTS COMPLETED DURING **20** YEARS. **46** OF THEM ARE THE PROJECTS OF WWTP RECONSTRUCTION AND CONSTRUCTION IN ACCORDANCE WITH MODERN TECHNOLOGIES.

**ARGINTA** was established in **1991**. The first project in the field of water management was the modernisation of Vilnius wastewater treatment facilities (Lithuania). Later, the company started to provide engineering consultations and to participate in the implementation of infrastructure improvement and development projects. After Lithuania joined EU, Arginta started providing administration and technical assistance services for environmental protection investment projects and completed numerous wastewater and sludge treatment, and water purification contractor projects.

Having a qualified team, as well cooperating with the foreign companies and local universities, Arginta gained unique experience in the field of water management. In 2011, 2013 and 2015 Arginta was named as the best construction contractor in Lithuania.

From **2012**, **ARGINTA** started exporting its technological experience to CIS and EU countries.

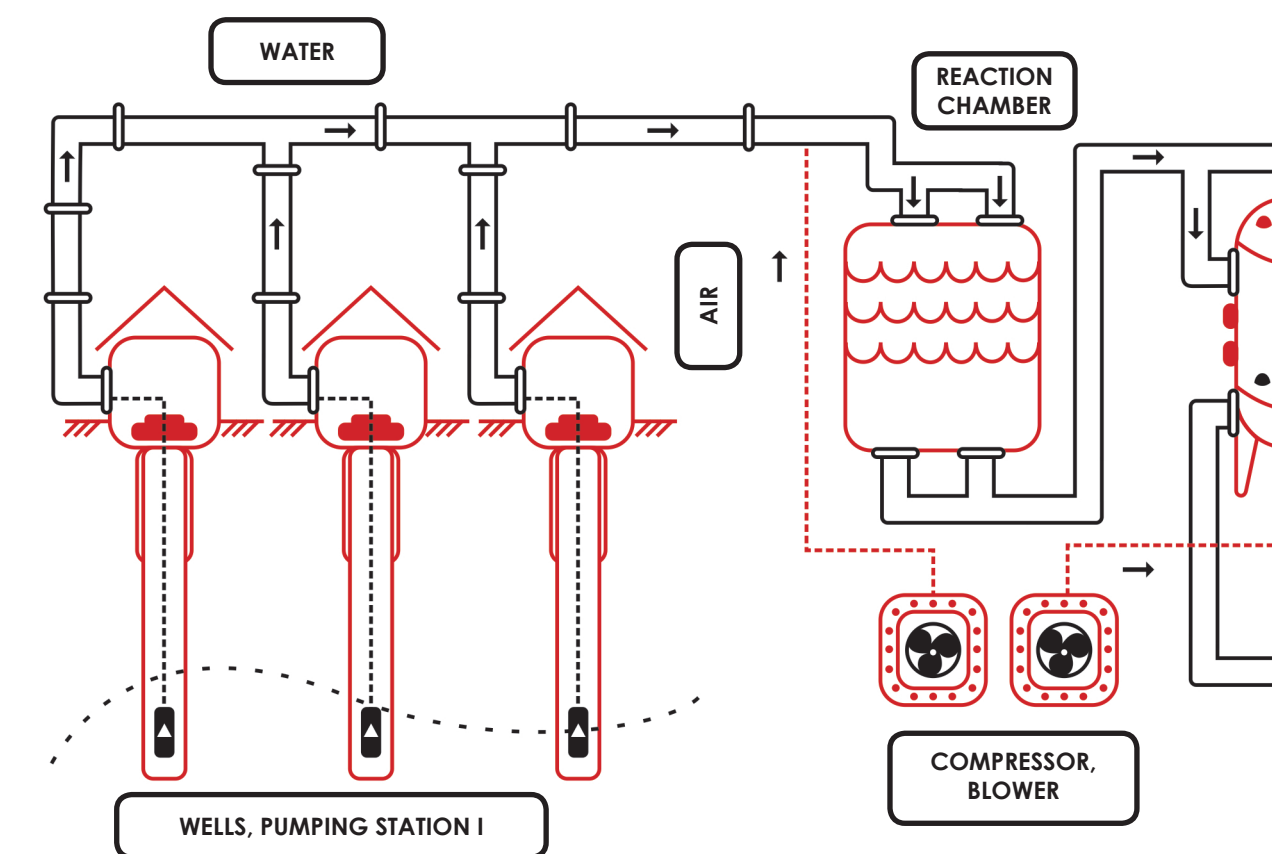


[WWW.ARGINTA.LT](http://WWW.ARGINTA.LT)

## WATER PURIFICATION

- Technological Assessment and Preparation of Solutions for Water Purification.
- Calculation, Design and Installation of Water Filtration Facilities.
- Selection, Design and Installation of Water Purification Equipment other than Filtration Facilities.
- Start-up and Commissioning of Implemented Purification Process.
- Design and Installation of Pumping Stations.

WATER PURIFICATION FACILITIES CONSTRUCTED OR RECONSTRUCTED BY ARGINTA ARE PURIFYING ABOUT **132 000 M<sup>3</sup>** PER DAY OF DRINKING WATER AND SERVE AROUND **730 000** CITIZENS.



**AG ARGINTA**  
SOLUTIONS FOR WATER MANAGEMENT



## WASTEWATER TREATMENT

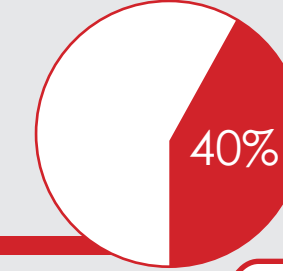
- Technological Assessment and Selection of the Most Optimal Solutions for Wastewater Treatment.
- Design and Installation of Screens and Grit Chambers for Preliminary Treatment.
- Selection of Equipment for Primary Treatment and Installation of Primary Clarifiers.
- Calculation, Design, Start-up and Commission of Biological Treatment Processes for Removal of Organic, Phosphorus and Nitrogen Compounds.
- Design of Secondary Clarifiers and their Equipment Ensuring the Sludge Separation in the Most Adverse Conditions.
- Selection and Installation of Equipment for Tertiary Treatment and Disinfection.

## SLUDGE TREATMENT

- Selection and Installation of Equipment for Sludge Thickening, Disintegration and Dewatering.
- Calculation, Design, Start-up and Commission of Sludge Digestion Process with Biogas Production.
- Selection and Installation of Biogas Conditioning and Cleaning Equipment.
- Design, Installation and Commissioning of Sludge Drying Equipment.

**ARGINTA** COMPLETED **40%** OF ALL PROJECTS FOR SLUDGE DISPOSAL WITH ITS DRYING STAGE IMPLEMENTED IN LITHUANIA.

WASTEWATER TREATMENT PLANTS CONSTRUCTED OR RECONSTRUCTED BY ARGINTA ARE TREATING ABOUT **190 000 M<sup>3</sup>** PER DAY OF SEWAGE AND SERVE AROUND **1 000 000** CITIZENS.



SLUDGE TREATMENT PROCESS ALLOWS TO REDUCE SLUDGE VOLUME BY UP TO **98%**.

BIOGAS PRODUCTION IN THE PROJECTS COMPLETED BY ARGINTA IS AROUND **5300 M<sup>3</sup>** PER DAY. ELECTRIC POWER GENERATION USING BIOGAS IS AROUND **400 kWh**.

PRODUCED ELECTRIC AND HEAT ENERGY IS USED FOR THE NEEDS OF WWTP.

