



asia water service
presentation of the company 2020



is an engineering company operating for more than 15 years in the Kazakhstan market and having a science and technology base jointly with the Center for “Water Technologies and Water-Chemical Regimes”, of non-profit JSC “Almaty University of Energy and Communications”, a representative of the world's largest technology developers and equipment and reagents manufacturers for solving problems in the field of water treatment, both for drinking and for technological purposes. Using modern technologies and equipment of leading foreign companies, taking into account our experience, we can solve any problems in the field of water treatment (more than 100 implemented projects).

The Center "Water Technologies and Water-Chemical Regimes" is organized to develop existing and new technologies in the field of water treatment and water-chemical regimes at thermal power plants, industrial enterprises, other industrial and social facilities and their implementation in the Republic of Kazakhstan and beyond. Since the company began its activity, the company's specialists have developed, registered and implemented **more than 10 patents**:

- **Process flow schematic of water treatment plants;**
- **A number of compositions for corrective treatment of various process waters and methods for their use;**
- **Desalination and regeneration methods to reduce wastewater.**

OPERATION PRINCIPLES AND LIST OF WORKS

Asia Water Service LLP offers comprehensive, the guaranteed best solutions and high-quality implementation of water treatment and purification projects for the following industries:

- **Energetics;**
- **Crude oil refining and petrochemistry;**
- **Metallurgy industry;**
- **Food service industry;**
- **Housing and utilities infrastructure;**
- **Consumer goods industry;**
- **Machine industry.**

The company offers an integrated approach to solve the problems of enterprises. Namely:

- **Reducing the environmental burden of the enterprise on the environment;**
- **Improving energy conservation;**
- **Reduced overall water consumption;**
- **Cleaning of drains;**
- **Recycling of water for all technological processes;**
- **Technology Efficiency**



- Development of integrated engineering and design solutions using the latest technologies for water circulation and water treatment systems;
- Production and supply of water treatment and water purification equipment for drinking and process water systems;
- Inspection and optimization of the water-chemical regimes of heating networks, steam and hot water boilers, recycling and circulating water supply systems, steam and water duct of thermal power plants;
- Design of structures and systems of water circulation and water treatment of varying complexity;
- Supply of components (membrane elements, cartridges, etc.) and chemicals (antiscalants, biocides, corrosion inhibitors, etc.);
- Warranty and service work on the maintenance of water treatment and water circulation systems;
- Customer staff training.



- Experience over 20 years;
- Own production of filter materials;
- Direct deliveries from manufacturers without intermediaries;
- An extensive range of equipment, reagents and consumables;
- Highly qualified specialists, strong engineering team;
- An integrated approach to work;
- Application of the latest technology.

INSTALLATION AND PRE-COMMISSIONING ACTIVITIES



Equipment
batching



Installation and
commissioning

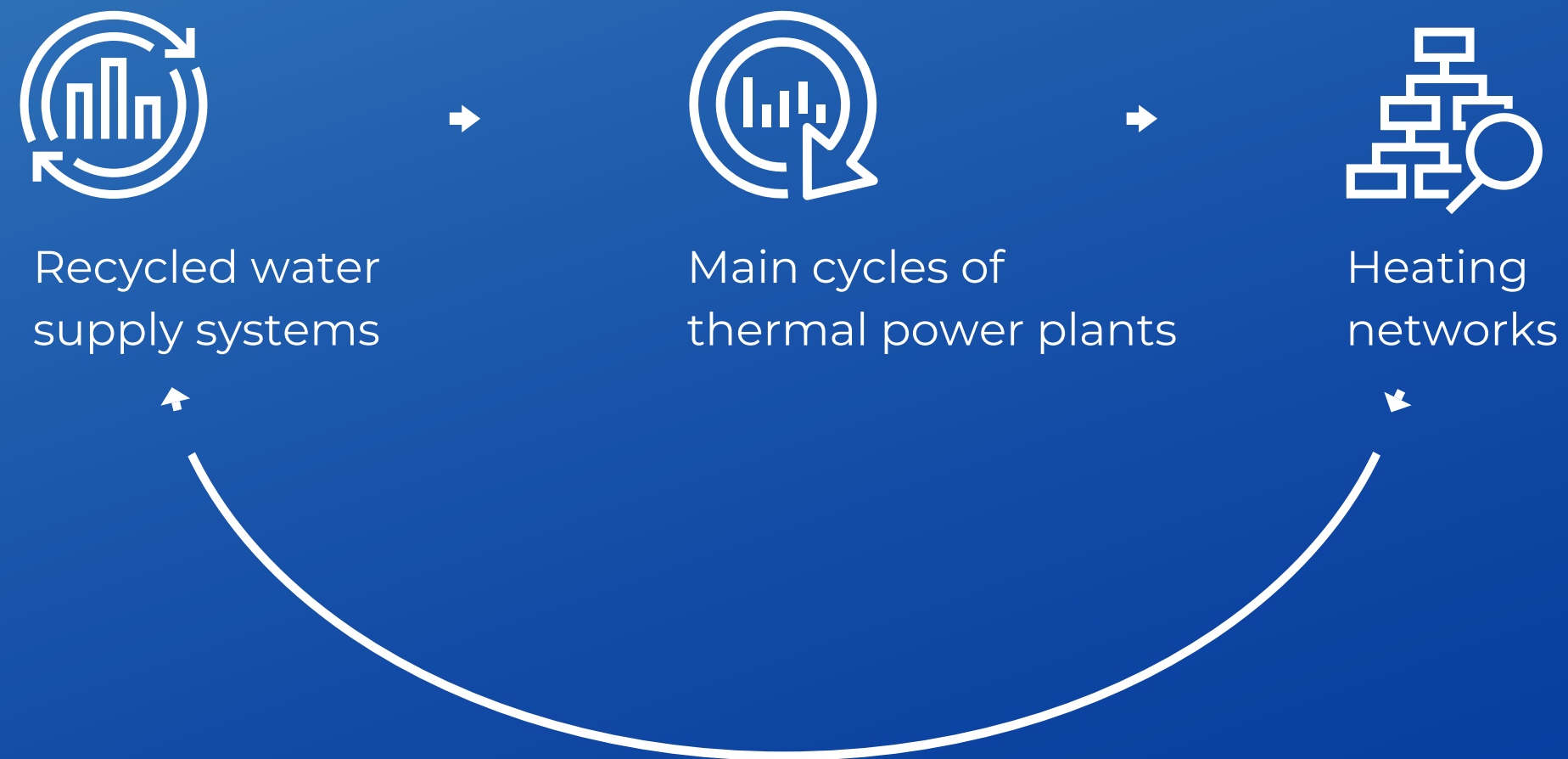


Optimization
of equipment



Flushing and
preservation

INSTALLATION AND PRE-COMMISSIONING ACTIVITIES





Inspection and
optimization of processes



Reconstruction of water
treatment facilities



Feasibility
study



Design of new water
treatment facilities



introduction of water
treatment methods



Development of
technological schemes



Pilot
tests





- Filtration technology
- Ultrafiltration technology
- Reverse osmosis technology
- Electrodeionization technology
- Mixed bed system filter technology
- Self-washing filter technology
- Technology of reactant water treatment
- Mobile installations
- Membrane degasation technology

One of the main tasks is warranty and post-warranty service maintenance of water treatment, water purification, and wastewater treatment equipment manufactured by “Asia Water Service” LLP and other companies.

- Consulting services of company specialists by phone, at any time convenient for you;
- Emergency response to emergency situations (within 48 hours, depending on the remoteness of the object);
- Continuous training of the Customer's personnel for more qualified equipment maintenance;
- One-time (comprehensive inspection of equipment with the issuance of a detailed report on the condition of the equipment and recommendations for modernization, optimization of the complex as a whole), quarterly, monthly, daily (at the Customer's choice) equipment maintenance;
- Constant analysis of equipment operation data, with adjustments to the operation process, depending on changes in the initial water data. At the Customer's request, the organization of continuous remote monitoring of equipment operation with online changes;
- Diagnostics of equipment operation, with prediction of failure of equipment pieces and assemblies;
- Carrying out chemical cleanup, additional equipment regenerations by highly qualified personnel of our Company.

WATER-TREATMENT PLANT EQUIPMENT SERVICE IN BOILER ROOMS IN ALMATY

“Almatyteplokommunenergo” LLP Service and maintenance of water treatment equipment in boiler rooms in Almaty (42pcs), since 2014 to 2020

Boiler room "ZhasKanat"



Boiler room "Kok-Zhiyek"



DEMINERALIZATION PLANT EQUIPMENT SERVICE

JSC “Almaty Power Stations” Department of CHP-1, CHP-2, CHP-3 Maintenance services for water handling / water supply systems (Provision of the required amount of demineralized water for the needs of the department of CHPP-1, CHPP-2, CHPP-3).

From 2016 to the present time - CHPP-3, CHPP-1.



From January 2018 - to
the present - CHPP-2



WATER-TREATMENT PLANT EQUIPMENT SERVICE

JSC "Ekibastuzskaya GRES-2 Station" service and maintenance of water treatment equipment



WATER CHEMISTRY CONDITIONS SURVEYING SERVICES

LLP "MAEK-Kazatomprom" Water chemistry conditions surveying at power generating units No. 1,2,3- 2019





ТЕНГИЗШЕВРОЙЛ





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