
NEXT
Water is the matter of life. It's matrix, mother and half.
There's no life without water.

NEXT

introduces

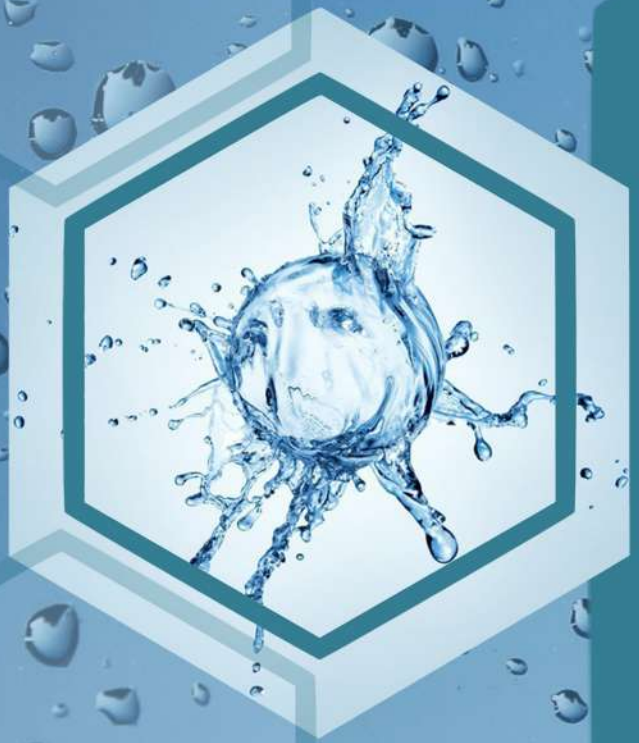
[TETI]

The **[TΞTI]** *™ project recognises the link between water and man as something inseparable and indispensable for life. We have gradually learned to manage water as an asset, a very slow process that can only begin with cultural and technical evolution.*
Our very existence depends on water - water to drink and water to cultivate - and all this is based on fresh water from rivers, rain-fed agriculture and ecosystems. Supplies of uncontaminated fresh water are needed to ensure standards of hygiene and safety for food and human health.

The sustainable and equitable management of water resources is a key element of sustainable food systems and is essential for the clear achievement of social and personal improvement. Water scarcity (the imbalance between freshwater supply and demand) and water quality problems increasingly threaten food security and nutrition through their impact on food systems - from agricultural production to food processing, households and consumers. At the same time, persistent and severe droughts, exacerbated by climate change, are causing increasingly severe water shortages in rain-fed agriculture, putting the livelihoods of rural people at greater risk by reducing crop and livestock yields.

As stated in "The State of Food and Agriculture 2020" report, water scarcity and poor water quality is a SOLVABLE problem.

This is **[TΞTI]** *™ a complete and professional treatment system solution.*



.. Clean water
is better ..

After years of experience in designing a wide variety of sectors, from offices to financial institutions, from highly automated companies to multimodal centres and much more, efforts have focused on services and service structures capable of transforming the lives of people and their families.

We like lists because they provide ordered packages of complex ideas; lists of data that explain with their simplicity concepts that would otherwise remain obscure. lists are everywhere in our work: TOP 10 technologies brought to Lagos state, TOP 3 software products offered to the client, TOP 20 new service proposals and integration between environmental technology and society; the list goes on (literally!) and literally we can think of naming the list INNOVATION.

But how to deal with something as important as a water treatment. The answer is: it is difficult. An essential service like this change's life, the morphology itself of the environment around it changes and with it the society

Water Treatment & Evironmental Protection

NEXT

NEXT Pj together it's technical partners have many experience in the water depuration and environmental protection sector. In addition to traditional depuration systems, NEXT Pj system plans and builds innovative technology depuration solutions developed and tested by our internal Research & Development (R&D) laboratories. Our operation in the water treatment and depuration sector is integrated to the many services offered by our laboratories such as: certified chemical analysis, machines support and maintenance, supply of water depuration products, and support in managing regulation requirements. Finally, one of our company's branches also provides environmental consulting for acoustic pollution, emissions and safety at work.

“Access to water is a common goal. It is central in the social, economic and political affairs of the country, African continent and the world. It should be a lead sector of cooperation for world development. No water, no future..”

Within the internal R&D laboratory P.I.ECO verifies all depuration technologies utilized, testing water treatments proposed to clients on its pilot machines and adjusting accordingly to have best processes and system solutions. This critical step allow to ensure effective results on the actual equipment as well as to provide a short term and long term technical and economical forecast on the investment. The pilot machines available cover a wide range of solutions, from the traditional technologies to the most advanced and compact equipment such as: membrane treatments, microfiltration, nano-filtration, ultra-filtration, and reverse osmosis. In addition, the R&D Lab performs advanced studies directed to the technical application of advanced water treatment and depuration processes such as: photocatalysis, phytodepuration, and induced magnetic field for water treatment.

Research & Development

Phase 01

The process study is preliminary to the realization or adjustment of the water treatment and depuration equipments, and has extensive application in the case of particularly complex industrial waters. The study presents different phases, from the description of the characteristics and capacities of the fluids to be processed to the development of the best water treatment process. The study is conducted with lab tests on pilot equipments and chemical analysis through the comparison of final results.

The final technical document is comprehensive of all the analytical and empirical test results, the recognition of the best water depuration process and possible alternatives, and an estimate of investment and management costs.

The process study is the technical instrument that allows companies to strategically select the right water treatment and depuration equipments, from a technical efficiency and investment management standpoint.

The Process Study

Phase 02

Analysis
Phase 03

Water Analysis

Emission Analysis

Microbiological Analysis

Environmental Analysis

Ground Analysis

Chemical Analysis of the Ground

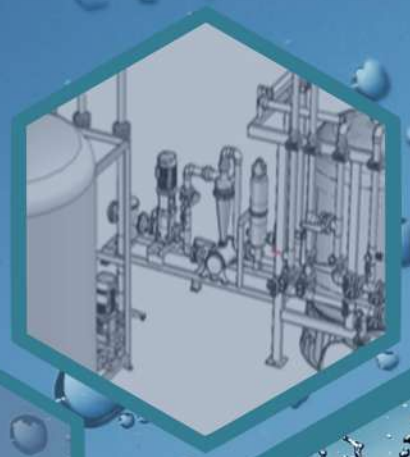
Waste Classification Analysis

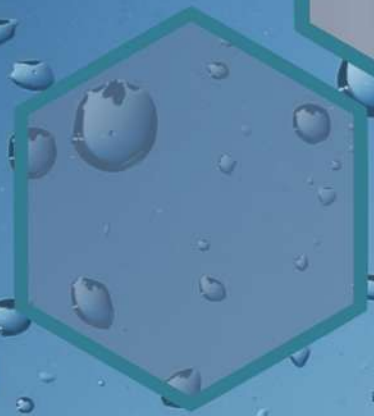
Microdimate Analysis

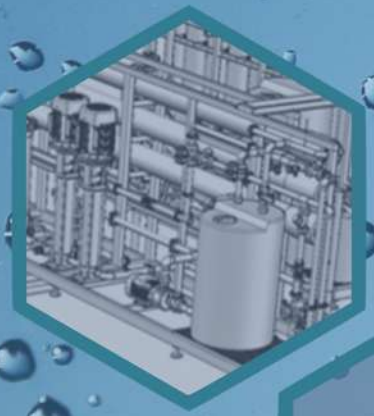
Environmental Samples

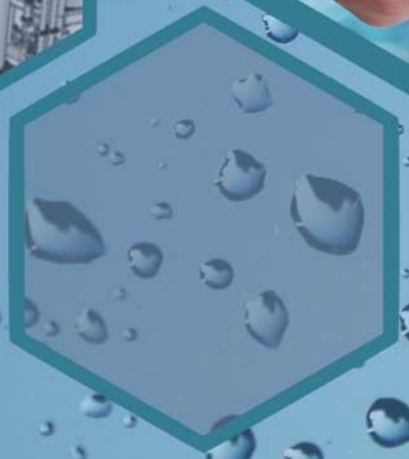
Noise Analysis

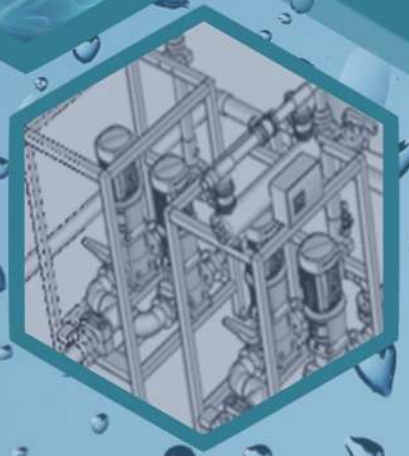
Our internal laboratories and our partner's laboratories support the entire analytical studies that range from the service for water treatment equipments to the complete management of environmental and safety aspects.









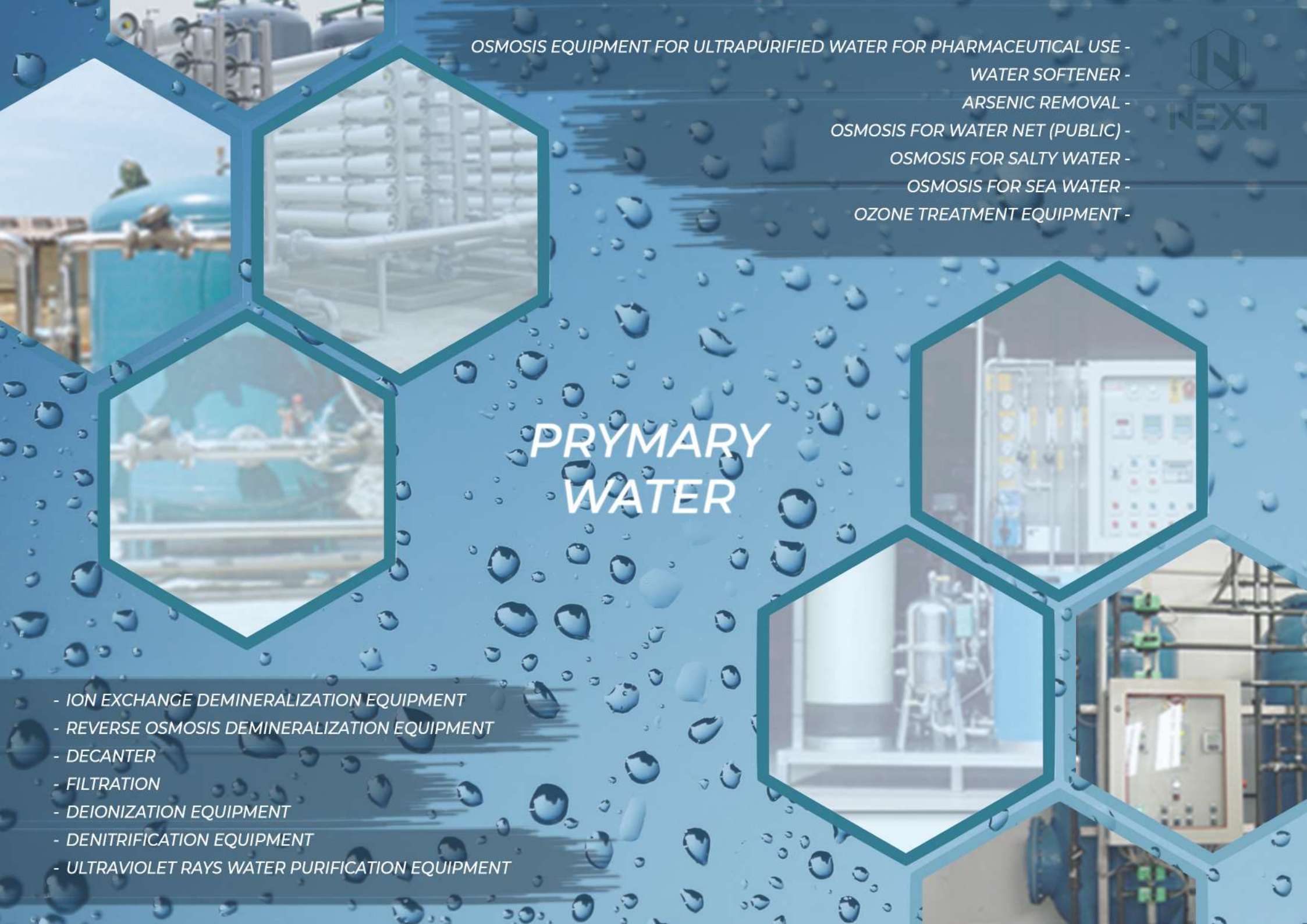


The machines for water treatment and depuration are entirely planned and built by NEXT Pj. The planning phase begin after the best depuration process, specific to the case, has been realized, thoroughly analyzed, empirically tested on the pilot machines, and the result verified in the Lab. The first analysis phase is to define the requirements of the depuration process; the analysis is conducted by processes experts that in conjunction with the technical office participate to the description of the final project and the verification of the test results.

The machines proposed vary based on the application and size. They range from stand alone machine of reduced size, usually for laboratory applications, to large civil and industrial factories processing thousands of cubic feet of water per hour. In case of large industrial factories in addition to our first objective of efficiency of the water treatment we add a meticulous valuation of the environmental impact of the equipments and the architectural integration.

Machines Planning

Phase 04



PRYMARY WATER

- ION EXCHANGE DEMINERALIZATION EQUIPMENT
- REVERSE OSMOSIS DEMINERALIZATION EQUIPMENT
- DECANTER
- FILTRATION
- DEIONIZATION EQUIPMENT
- DENITRIFICATION EQUIPMENT
- ULTRAVIOLET RAYS WATER PURIFICATION EQUIPMENT

OSMOSIS EQUIPMENT FOR ULTRAPURIFIED WATER FOR PHARMACEUTICAL USE -
WATER SOFTENER -
ARSENIC REMOVAL -
OSMOSIS FOR WATER NET (PUBLIC) -
OSMOSIS FOR SALTY WATER -
OSMOSIS FOR SEA WATER -
OZONE TREATMENT EQUIPMENT -

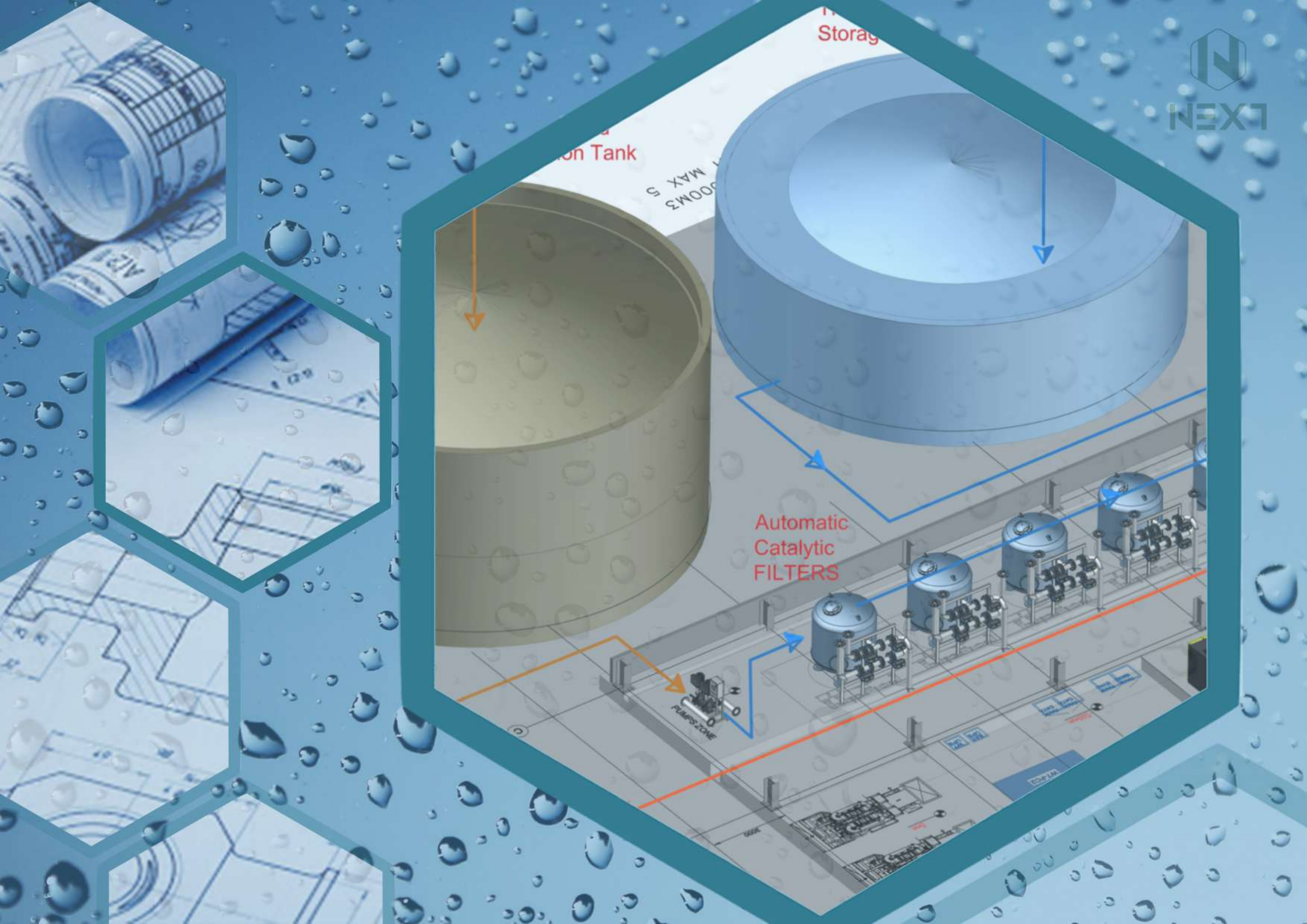
EQUIPMENTS FOR WASTE WATER

- BIOLOGICAL EQUIPMENT
- BIOLOGICAL EQUIPMENT MBR
- ANAEROBIC DIGESTERS
- REVERSE OSMOSIS AND NANOFILTRATION EQUIPMENT
- CERAMIC AND POLYMER ULTRA
- FILTRATION EQUIPMENT PHYSIC AND CHEMICAL EQUIPMENT
- MEMBRANES TREATMENTS
- ION EXCHANGE RESIN EQUIPMENT
- DISTILLER UNDER VACUUM
- ELECTRO FLOCCULATION

FILTRATION -
FLOATERS -
DECANTERS -
THICKNER -
POLYPREPARER -
BELT PRESSES -
FILTER PRESSES -
CENTRIFUGAL -

EQUIPMENTS FOR PROCESSES WATER

- DISTILLER UNDER VACUUM
- ION EXCHANGE RESIN EQUIPMENT
- MEMBRANES EQUIPMENT
- DISINFECTION
- CERAMIC MEMBRANES FOR ULTRA FILTRATION
- SOLVENTS RECUPERATION EQUIPMENT
- METAL RECUPERATION EQUIPMENT
- COMPLETE LINES FOR ELIMINATION


Storag
on Tank
Automatic
Catalytic
FILTERS
PUMPS ZONE


NEXT
7, Abagbon Odeku Street - Victoria Island - LAGOS
FEDERAL REPUBLIC OF NIGERIA
Phone: +234 09019706302 / 08092211112
info@nextpj.com www.nextpj.com