

Wadis is a private Israeli company that develops a unique innovative and disruptive patented technologies for equipment for all types of water, wastewater, and disinfection treatment systems. This equipment are incorporated into water treatment processes, offering a revolutionary efficient green, low cost and low maintenance, as high performance solution for water and wastewater treatment and disinfection systems, allowing a significant reduction in the total cost of the water treatment processes and allows to reduce water consumption in all kind of processes and also the feasibility of recycling the evacuated and treated water. WADIS technologies are very environmentally friendly as they do not use chemicals, ozone, heat, pressure, etc. and decrease dramatically CO2 emissions. WADIS Water Treatment breakthrough technologies are used in all kinds of industrial and other facilities which use water in their processes.

THE SYSTEMS ARE USED FOR:

- 1- Sludge treatment in Wastewater Treatment Plants (WWTPs).
- 2- Water and wastewater disinfection.
- 3- Advanced Oxidation Process.

MARKET APPLICATIONS

- Sludge pretreatment
- Sludge dewatering improvement
- Food & Beverage
- Aquaculture
- Fish pools
- Wastewater treatment.
- Sludge disinfection and sterilization.
- Secondary & tertiary effluents
- Hospitals & Drugs Laboratories
- All other kind of Effluent Water Processes

TECHNOLOGIES ADVANTAGES

- Fast and cheap installation and maintenance
- Immediate easy operation
- Just need a 20' container space
- Work in all type (size) of plants
- The cheapest in energy consumption solution
- Increase plant efficiency, capacity and the production of biogas.
- Nonpolluting.
- More cost effective.
- Low/no DBP generation.
- Suitable for applications with high turbidity.
- Suitable for applications with high organic loads.
- Easy operation and maintenance.

IN WWTP SLUDGE TREATMENT:

- Improvement of sludge treatment cost and efficiency: Shortens anaerobic digestion time of by up to 45%.
- Increased biogas productions by a minimum of a 30%.
- Decrease evacuated dry sludge by 20%.
- Option of treating sludge to Class A.
- Eliminates Ambient Odor.
- Improve efficiency of drying process.

Thus, enables to upgrade existing WWTPs by increasing the existing digesters capabilities without a significant investment in infrastructure.

WATER & WASTEWATER DISINFECTION:

- Suitable for high turbidity and high organic loads applications.
- Effluent water is free of bacterias, viruses, fecal matter, pathogens, etc.

WATER & WASTEWATER AOP-EPOP:

- Decomposition of organic matters and other pollutants (e.g. antibiotics, hormones, herbicides, heavy metals, radioactive materials, etc.).
- In every processes using WADIS it is feasible to recycle treated water.
- With AOP-EPOP Technology, adding a simple filter, you can obtain drinking water.