Company Overview

AquaSpark is a dynamic startup driven by a team of experienced engineers with great expertise in a broad range of technological disciplines, including chemistry, biotechnology and clean-tech. The company's seasoned management team has established a proven track record in building, managing and marketing technological startups, both in Israel and worldwide.

AquaSpark's main offering is based on unique technology developed by Professor Aaron Kitayev, a physician with vast technological and managerial experience in the fields of water treatment, ecology and engineering.

AquaSpark has achieved proof of concept by demonstrating practical and cost efficient treatment of wastewater in winery- and textile dyeing-related processes.

AquaSpark has developed an innovative technology for **cost-effective treatment of organic industrial and agricultural wastewater** able to treat wastewater with high level of organic contents.

AquaSpark offers **integrated complexes systems** for wastewater treatment based on state-of-the-art technologies combined with its innovative **Spark** technology that enable re-use of treated wastewater or their disposal to the municipal sewage system.

The team of AquaSpark has extensive international experience in the analysis of wastewater, design of optimal solutions, and full engineering and operational implementation of the offered solutions.

AquaSpark's systems can be applied in numerous wastewater treatment applications, such as:

Food, juices and winery industries:
- High level of C.O.D.
- Food processing waste, dairies and wineries

Electronics, semi-conductors, metal industries:
- Lubricant-cooling emulsions
- Etching solutions
- Gas cleaning systems

Pharmaceutical, cosmetics and food industries:
- Toxic liquid waste
- Waste containing antibiotics, hormones and other organic contents

Textile, paper and leathers industries:
- Dyeing waste
- Recovery waste

Services and Transportation:
- Garages and gasoline stations
- Public transportation (trains and busess)
- Wastewater from garbage collection

Agriculture:
- Fish ponds
- Cattle stables

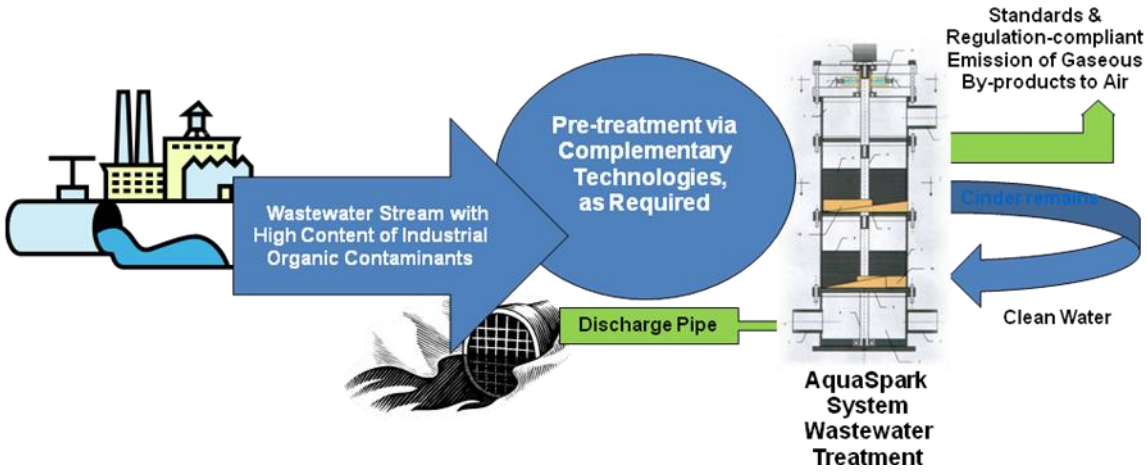
AquaSpark Ltd. Industrial Area - Katzerin - P.O.B. 12 Zip Code: 12900 Israel
Tel: +972-4-6850292 • Fax: +972-4-6962564 • pmaor@aquaspark.co.il • www.aquaspark.co.il

Competitive Advantages - Among **AquaSpark's** key differentiators are:

- **Uniquely effective wastewater treatment** – AquaSpark's proven technology reduces wastewater contamination where other solutions have proven either incapable or inadequate. The solution is capable of treating even the most extremely contaminated wastewater, which is generally prohibited from entering municipal water treatment plants
- **Cost effectiveness and rapid ROI** – AquaSpark is modestly priced and relatively affordable, especially in light of its unmatched ability to help industrial plants avoid highly contaminated wastewater-related expenses and fines. It assures rapid return on investment, with cost savings ranging from anywhere between 40% and all the way up to 60%.
- **On-site deployment** – AquaSpark can easily be deployed directly at customer sites, enabling convenient on location wastewater treatment. This contributes to reduced operational costs in that it helps avoid unnecessary expenses related to the transportation of contaminated wastewater.
- **Flexible and modular** – the solution is designed for easy expansion, allowing addition of further AquaSpark systems to enable treatment of greater wastewater volumes.
- **Meets regulatory requirements** – consistently enables reduction of COD to less than 2000 mg/l, AquaSpark is completely compliant with even the strictest rules and regulations.

How It Works

AquaSpark's BLTT technology is based on the phenomenon of a reaction characteristic of water under certain physical conditions, specifically exposure to high electric currents passing through the water.



AquaSpark System Deployment

When AquaSpark's system exposes wastewater to high electric currents, a reaction is triggered, resulting in the disintegration of organic matter present in the water, and in the dissolution of this matter into a gaseous state.
The residual water is then sufficiently "clean", as per regulatory standards, to safely be discharged into communal sewage facilities.

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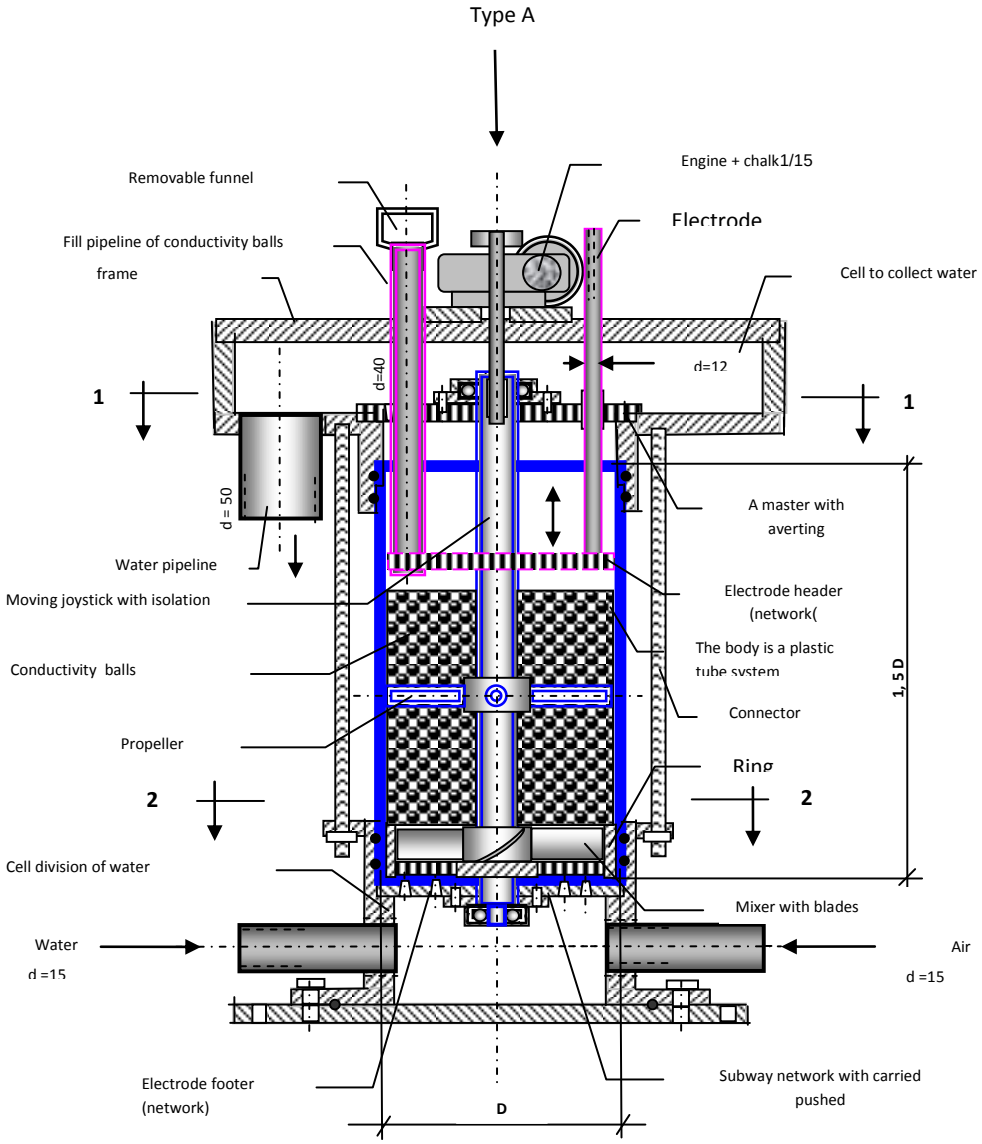
Spark technology design

A vertical overview, (version 1)



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Our Complex technology using "flutator & electro coagulator" is a final process to discharge the wastewater to the communal sewer.

Pilot facility for wastewater industries on food production

Company Structure

AquaSpark structure consists of:

- Design and constructing facilities
- Analytic laboratory
- Outsource facility for the production of non-standard equipment
- Assembly and support team

Available Services

AquaSpark offers complex solution for problems associated with purification of public and Industrial sewage

- Technical analysis of wastewater in order to determine specific problems at the client plant
- Laboratory analysis of wastewater quality
- Development of purification process technology and laboratory tests for its efficiency
- Experimental test of efficiency at the main plant
- Complex design of equipment and units according to the client's requirements
- Manufacture and assembly of purification units
- Adjustment and warranty service

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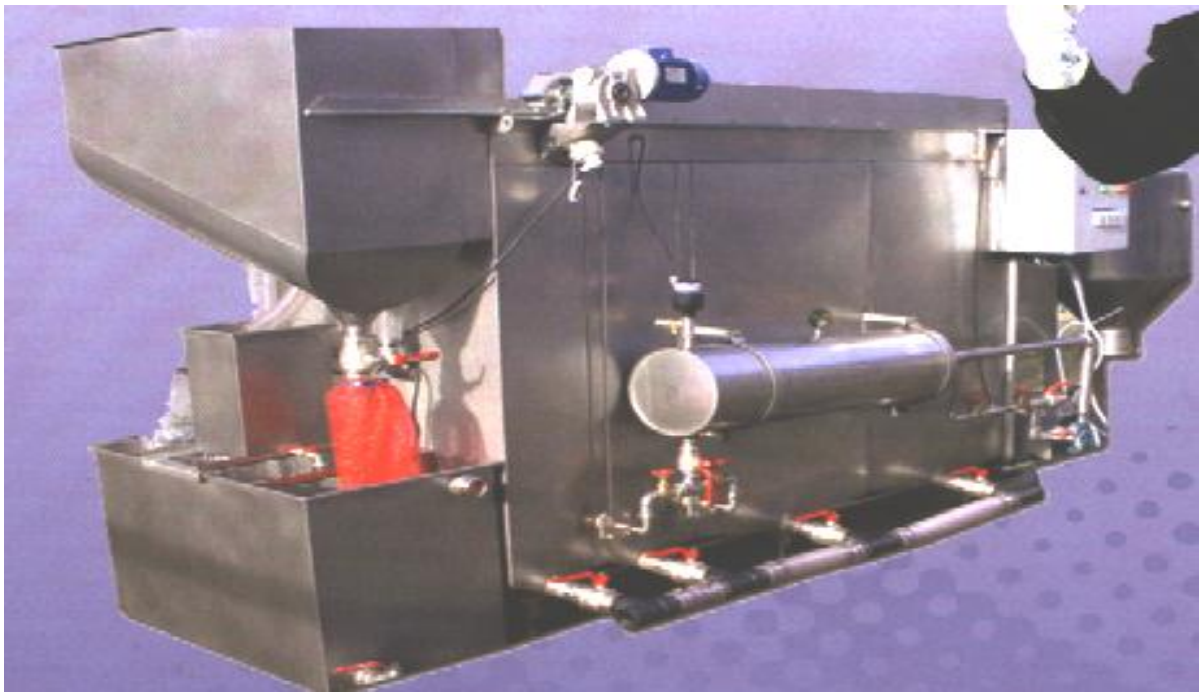
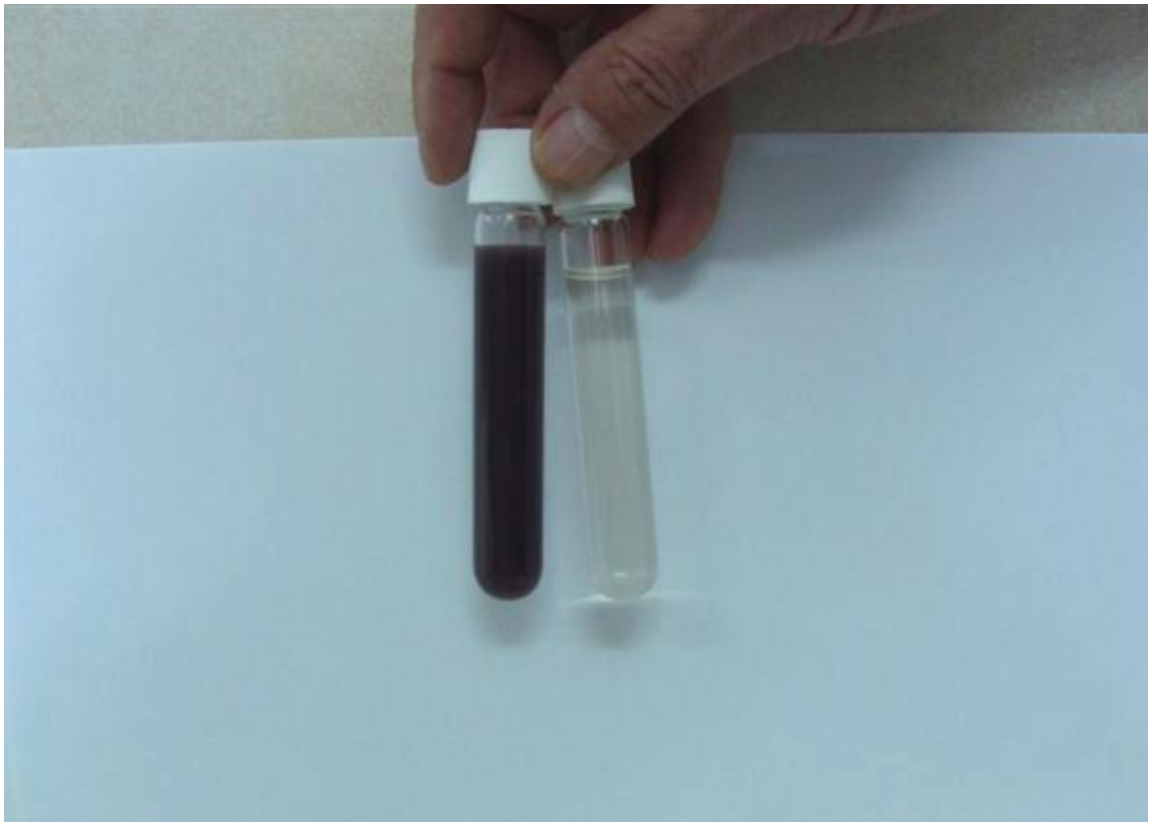
Fish Flutator – (Flout-fish)





Contact: info@aquaspark.co.il