



**Category:** Industrial waste treatment- Cleantech.

**Sub Category:** Waste water treatment

[www.aquaspark.co.il](http://www.aquaspark.co.il)

## Company profile

Is the developer of an innovative System based on The Boiling Layer Treatment Technology, (BLTT) for treating effectively highly contaminated organic industrial wastewater.

**Year of establishment:** July 2008

**No. of employees:** 5

## Background on the company

Aquaspark is considered as an advanced treatment method, and is able to treat wastewater with extremely high levels of contamination (high COD levels).

## Technology & product(s)

**General description:** A development of an innovative new System & Technology based on Boiling Layer Treatment (BLTT) for treating organic industrial wastewater.

Advanced treatment processes may be used in combination and/or in conjunction with mechanical and biological unit operations. This activity is aimed at eliminating oxidizable non-biodegradable matter at a higher level, as well as metals, nitrate, phosphorous, etc. by using powerful biological or physical and chemical action. Special equipment is required for each de-pollution.

AquaSpark is taking care for Organic industrial contaminated wastewater with high and very high contents of organic contaminants (up to 100, 000 and higher), and waste water with organic contaminants which are not bio degradable, and does not enabling disposal of treated wastewater to communal systems.

- A metal vessel ● A central rod ● AC or DC voltage ● Micro-arcs ● Disintegration of organic compounds ● Disintegration of organic compounds
- Resulting Output: Treated water with ash, Gases

**Function of the product(s):** Treating industrial contaminated wastewater

## Objectives / Target companies

- Customers- The following target markets have been identified as attractive to Aquaspark due to their wastewater and wastewater treatment characteristics:
- The Chemical industry (including the bromide industry, oil refineries, petrochemical industries, pharmaceuticals, detergents)
- The Food and Beverage Industry
- Agriculture, Dairy farming (cowsheds), Slaughtering, Piggery,
- Textile and Fur Industry
- Wood, Pulp and Paper, and Recycling
- Hospitals
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