



**Category:** Renewable energy,  
Waste water treatment.

[www.ecoarrow.com](http://www.ecoarrow.com)

## Company profile

Arrow Operations and Technologies Ltd. specialize in the design, development and implementation of complex solutions for industrial wastewater, sludge and chemical-ecological processes.

**Date of establishment:** 2007

**No. of employees:** 20

## Background on the company

Arrow Operations and Technologies Ltd. was founded in 2007 by the founders of Arrow Ecology, who were active in the fields of hydro-mechanical operations and facility maintenance. Since then Arrow Operations and Technologies has evolved to a respected, multifaceted full service company.

Arrow was the first, and currently the only, company in Israel to provide mobile industrial wastewater treatment services as a cost and time saving technique for their clients.

## Examples of past projects

- Israel Chemicals Ltd.
- Israel Electric Corp.
- Oil Refineries Ltd.
- Israel National Water Co.
- And many others

## Technology & product(s)

Some of our services:

- Arrow develop and commercialize a unique system which completely eliminates hazardous industrial sludge, transforming it into energy and raw materials by harnessing thermal solar energy. The GSP system represents a low cost, comprehensive solution that serves as an economic waste disposal alternative and provides a source of "green energy" and raw materials. On the one hand, the system draws all its energy from the sun (no fossil fuels are needed). On the other hand, it represents a breakthrough in waste disposal as it transforms hazardous and non hazardous waste into storable energy, leaving no residuals behind for further disposal.
- A unique mobile treatment unit for the purification of water polluted with oil or fuel and for the removal of water from oil and fuel sludge.
- Arrow designs, builds and operates a unique robotic machine which removes sludge and sediments from closed, complex industrial structures such as cooling towers, holding pools, lagoons, tanks and water bodies. The accumulation of sludge or sediments in these facilities reduces operational efficiency and frequently contains toxic compounds.
- Recovering crude oil tanks through hydrothermal techniques by connecting to the existing pipes with no need for changes. This treatment will enlarge the operating volumes in a very short period. The method produces a minimal volume of waste. Most of the sediment is taken out in a form, which enables the client to re-use it for refining or energy production.

## Objectives / Target companies

To become the leading player in the treatment of sludge and industrial waste water.

Target companies:

Waste water treatment plants, chemical and petrochemical plants.