



**Category:** Water and wastewater treatment, recycling and reclamation

**Sub Category:** R&D, Consulting and engineering services

[www.ph2o.net](http://www.ph2o.net)

## Company profile

**Date of establishment:** 2007

**No. of employees:** 5

## Background on the company

pH2O was established in 2007 by an experienced multi-disciplinary team introducing new technology of chemical free, water treatments. In house R&D and a team of consultants technologies enable the company to cater to our client's specific needs. Our technology is zero-discharge and enables the recovery of water and other valuable raw materials.

## Examples of past projects

pH2O has designed, built and operates a full scale combined unit for washing landfill disposal trucks after they dump the waste and before leaving the landfill which is a becoming a global environmental regulation. The unit purifies and recycles the washing water while eliminating odor with no added chemicals and with zero discharge.

## Technology & product(s)

All products incorporate electrochemically based technology without the need to add chemicals for any of the process while achieving total control and maintenance of water pH. pH2O propriety technologies maintain lower total cost of ownership (TCO) with a short ROI. pH2O converts hazardous wastewater streams into recyclable water or allows for discharge in line with the most stringent regulations.

Products:

- **pHAW** (pH Activated Water): producing in 0.1 precise range from pH 2-13 with very high ORP. (-980 - +1150) for use in industrial process. The pHAW is used for total precipitation of heavy metals in wastewater.
- **EC** A new design of an Electro- Coagulator with Aluminum /Iron electrodes
- **EFS** (Electro Floto Sludge) an electroflotator, producing micro bubbles of H<sub>2</sub>, O<sub>2</sub> and Chlorine (EFS) adhering to TSS while separating and removing the contaminants from wastewater. The reduced sludge concentrates heavy metals for reclamation

All devices are easy to install and fully automated. Remote monitoring is optional.

## Objectives / Target companies

Seeking strategic partners, system integrators and customers looking for in-situ small foot print cost effective sustainable technologies in the following niches: PCB, Metal coating, Oils and fats, pharmaceutical, print, pulp & paper, high COD& BOD waste water.