



## The WaterNed®, Algae Harvesting Solution

WaterNed® offers innovated algae harvesting solution founded from the “Eco Conscious” mind of AQA BV. The solution is based on rejuvenation of troubled waters by full speed harvesting of algae and sediments. Delivering organic material free clean water and two high value residue stream, water and algae.

The basics:

- 100% biological
- Fully automated mechanical part
- Low energy needs
- High value “residue” streams
  - Clean water
  - High energetic value in algae
  - Co2 reduction
- Extreme high capacity
- Modular extendable to any desired capacity
- Plug and play system
- Remote controlled operation possible
- Besides harvesting of algae
  - Sediment removal
  - Organic material removal
- Incorporated in “algae production” streams
  - Re-use of Co2 emissions
  - Cleaning of waste water streams
- Harvesting possibilities from all kind of liquid streams
- Small carbon footprint

This unique designed algae harvesting solution is innovated to supply the World a energy friendly, high capacity method for harvesting organic solids from liquid streams.

## **AQA BV.**

**AQA BV.** Is the rightful owner of all the rights pertaining to the manufacturing, distribution, sales and service of WaterNed®. AQA sees to a joint operation/ sale of units and third interested parties in participating in a license agreement or complete handover of all matters concerning the WaterNed® solution to a third party.

The WaterNed® solution has been thoroughly tested by Dutch University located in Wageningen, WageningenUR; a full report is available, proving it to be far more effective than any comparable device currently on sale in the market. The WaterNed® solution has also the capacity to be available as a stand-by device in case of serious Blue-Green Algae blooms. It could be used to become the World standard solution to keep waters free of excessive algae blooms.

It can be deployed immediately upon occurrence of (Blue-Green) algae blooms whether occurring on lakes, rivers or even Open Ocean.



## The benefits in short

- 100% biological polymer, USA, FDA approved
- Fully automated mechanical part
- High value “residue” streams
- Extreme high capacity
- Modular extendable to any desired capacity
- Plug and play system
- Small carbon footprint
- 2 high value streams, Water and Algae
- Harvested algae can be used for
  - Extruding of Phosphate
  - Used for Human consumption (only algae from production plant)
  - Used for Animal Feed (only algae from production plant)
- Polymer not traceable in residue
- 100% safe for human, plant and animal
- Placement of stand alone units, modular extended to any desired capacity
- Use of mobile units for small algae blooms
- Use of mobile units mounted on boats to cleanup algae blooms on the ocean

## Functionality

1. The WaterNed® solution is a high-speed algae harvesting system, separating algae from water.
2. The WaterNed® solution unique design makes that the units are easily modular extendable.
3. The WaterNed® solution is designed from a 100% biological / mechanical procedure
4. The WaterNed® solution is unique in the way of “harvesting” a broad range of organic materials, from algae and organic materials to sediments.
5. The WaterNed® solution has a unique system that can detect the algae/water ratio and adjust the input of polymer accordingly.
6. The WaterNed® solution can operate 24/7 fully automatically.

## Operational Costs and Maintenance

1. The WaterNed® solution is practically maintenance-free, annual inspection is mandatory.
2. Maintenance is depending on the wear and tear of the pumps and press belt. (Depending on influent pollution level)
3. Running cost are very low and are basically limited to the required power input and small number of operating staff required on the plant
4. Deployment and operating the WaterNed® mobile solution is extremely easy; it requires one operator and one product discharge manager.
5. Operating the WaterNed® solution according to established procedures can be round-the-clock for at least 6 months without maintenance. (Depending strongly on influent pollution level)

We foresee in a structured and detailed knowledge transfer from the original inventors to the new owner, or potentially from the prototype builder to the new owner, all part of the negotiations and after-sales