

Modular units for high efficient and high volume water production



The future is in our hands

1. Our business

Development, production, turn-key installation of high-efficient modular fresh water production units, powered by

- residual or waste heat of power plants, gas engines, steam turbines etc.
- gas
- oil
- hot water
- exhaust
- solar thermal
- geo thermal

2. Flexible solutions

Several modules can get connected to a bigger production plant. Even the biggest power stations (coal, gas, steam, oil, nuclear) can be equipped with our technology, in order not to waste the residual energy, to save costs and to supply clean water to any location, where it is needed.

3. Needs

Our technology has no disadvantages and no harmful impact to nature or human beings. We use the natural resources and smart solutions of physical properties, to extract water from the surrounding area.

We are the company to supply water for each individual:

- with one power plant (e.g. 1.500 MW) we produce with our Wetfields units per day 40.000 m³ of water
- in other words, within one year we could create a lake in the desert, which is 2,000 m long, 650 m wide, 10 m deep
- our production of water for agriculture converts dry fields into productive farmland
- we create new opportunities for farmers
- welcome side effect: reduce or stop of the rural depopulation
- improvement of the living conditions of the people in these regions
- CO₂-neutral and environment friendly production, no air pollution
- The input waste heat is totally (100%) converted to energy for water production

There is no cheaper and more efficient way to supply water to the world!

4. Status and timetable of our development

We are ready to set up a turnkey plant within a very short time.

5. Our advantages

USP:

1. Worldwide unique process for the preparation of water on a large scale, which can be carried out without polluting the environment
2. In-house software, control and regulation
3. Water production of several million m³ per year with only one plant, without using existing resources (e.g. groundwater)

Other features and highlights:

1. independent of location, installation in any size, any place where water is needed
2. Modular design, subsequent expansion possible any time
3. Various types of fuel (oil, gas, hot water, steam, and, most important, unused process heat from power plants or any other industrial process)
4. Adaptable to all current and future power plants (not ORC-process)
5. utilization of input energy up to 100%
6. completely CO₂-neutral
7. no pollution, no potential risk for human beings, animals and the environment
8. Improvement of air quality in the vicinity when using pre-filters (mainly for China)
9. The complete system consists of components, which are used for decades in other industries and have proven their long life stability
10. Extremely low operating and energy costs, especially in comparison with seawater desalination plants
11. The waste cold air from our manufacturing process can be used for air conditioning of buildings, for industrial process cooling, to improve the efficiency of gas turbines etc.

