

CLEAN

10 minutes for 1.000 Euro: Let your ideas

bubble



Where and how can we use UV-LED to disinfect water?

We are looking for your ideas

- Devices in various shapes and sizes, which disinfect water using UV LEDs for different purposes
- Examples: Increase the quality of drinking water (at home, on a trip/travel, in developing countries, in disaster areas), radiation of water aquariums/aquacultures/aquaponic systems

Your benefit

- Win up to **1,000 euros** with the use of 10 minutes
- **Discuss and exchange** with others
- Gain **valuable contacts with companies** and students
- No obligations, not a lot of time
- Prerequisites: None ... except your head ;-)

10 minutes of idea generation, register, submit

- Simply register free of charge: **www.idealab.rocks** and submit
- Deadline: **19.05.2019**

What it is about

The term LED (light-emitting diode) is generally well known. One special type of LEDs can be seen as most innovative – ultraviolet (UV) LEDs.

One particularly helpful and interesting functionality is that the light of UV-LEDs is able to kill germs. The radiation of water therewith leads to disinfection and hygienisation of the radiated water i.e. harmful bacteria, viruses and parasites are killed.

This avoids the negative side effects of other methods, such as chemical disinfection (such as chlorine), which makes the disinfecting effect of UV LEDs not only highly effective, but also environmentally friendly and compatible.

Additional advantages of UV LEDs

- + Harmful bacteria, viruses and parasites are killed
- + LEDs consume little energy
- + Negative side effects such as chemical disinfection (e.g., with chlorine) are avoided
- + Freely selectable geometries and miniaturizable (can be built in different shapes in the smallest corner)