



# MyWaterstation

## DRINKING WATER TREATMENT UNIT Company Profile



A photograph showing a person's arm and hand pouring a thick, brown, muddy liquid from a white plastic bucket into a large, shallow metal bowl. The bowl is placed on a dirt surface. The person is wearing a patterned skirt and is barefoot. The background is a vast expanse of dry, reddish-brown earth.

1 Billion People do not have access to clean drinkingwater.  
80% of all illnesses originate in polluted drinking water.



# COMPANY PROFILE

Blu-Box UG is a German development and production company based in Murnau am Staffelsee in Upper Bavaria. With over 10 years of experience in development, in and from practice, in the field of drinking water treatment, we have an extensive wealth of experience, and a pronounced visionary engineering.

## The BLU-BOX principle: Think holistically – act sustainably.

The Blu-Box UG sets itself high goals in the search for solutions for healthy drinking water, worldwide – sustainably.

### Company and project status

Company type: Start-Up  
Industry: Water | Environment | Energy  
Project status: Product ready for market and series production after 10 years of research and development.

### Registered office of the company | Society and Sales

Germany, Bavaria, Murnau am Staffelsee  
Production | Assembling: Die Maschinologen | Bauer Group, Germany, Bavaria, Weilheim  
Sales and R&D: Blu-Box UG (haftungsbeschränkt)

### Mission

Providing people with clean and contamination-free, healthy water in regions of the world where clean and healthy water is not available.

### Country of manufacture | Origin of product components

- Engineering, Research & Development & Design: Germany | Bavaria |

#### "QUALITY – Made in Germany"

- **Assembling:**  
Die Maschinologen | Bauer Group, Germany, Bavaria, Weilheim
- **Country of origin Components | Components:**  
Germany: chassis/frame, water pump, UVC unit, charging battery, control unit  
Siemens LOGO, pipe connections, valves, hoses, electrics, solar panels.

All materials and components used and assembled in the production comply with DIN, DVGW and WHO guidelines and are approved for food and drinking water. CE certification, Hygiene Expert Report University of Bonn / IHPH



# STATUS QUO

**"Access to healthy, clean drinking water is a fundamental need and a fundamental right of every human being!"**

There is a shortage of clean drinking water worldwide. Water is available in many places in the form of springs, rivers, lakes, cisterns, etc., but it is often contaminated and harmful to health.

**The goal is to sustainably improve the shortage of healthy drinking water.**

Likewise, to enable a simple and uncomplicated drinking water supply even in acute crisis or disaster areas.

- **Creating a healthy livelihood - Sustainable health promotion**

Ensuring the livelihood of "water".

Mitigating health risks and infectious diseases: fewer cases of disease for better quality of life and productivity.

- **Sustainable waste prevention**

Avoidance of purchase of water plastic bottles: water filling in multi-use containers.

- **Sustainable regional economic support and job promotion**

Business model for locals: Generating income through water sales.

## MyWaterstation

**A mobile, solar-powered drinking water treatment unit**

It is the most effective and economical mobile solar-powered unit of its kind, which treats contaminated, unhealthy water into safe clean drinking water, free of pollution and pathogens. All relevant security aspects are taken into account.

The treated water is clinically tested and corresponds to all DIN and DVGW standards and even exceeds the water guidelines of the WHO. The system eliminates all microorganisms without use of chemicals or additives. The entire filtration process is extremely intense, impaired or eliminated but not the important mineral components of water.



"MyWaterstation" produces daily up to 7,000 litres of drinking water with solar energy.





# OVERVIEW PRODUCT PROFILE



100% solar powered. ON GRID supply (230V/110V) via BACK-UP transformer. Uninterruptible power supply via battery in case of Power break-down.



Up to 7.000 liters of drinking water per day with solar powered operation.



Destroys microorganisms, bacteria and viruses without the use of chemicals.



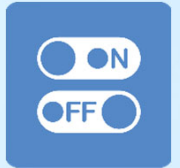
Exceeds WHO drinking water guidelines. Monitoring according to WASH PROGRAM OF WHO.



Fully automated system. Shock protected mechanic. Unique connectors against mix-up installation.



Simply operation: switch ON / OFF.



Easy to maintain. Implementation and expendable items - Plug & Play.



Designed for all tropical & desert regions and lack of infrastructure.





# FLEXIBLE AREAS OF APPLICATIONS

**MyWaterstation combined with the technology of DOSATRON** is perfect and sustainable for small communities, schools, hospitals, rural villages, refugee camps and other remote facilities.

**MyWaterstation** is a so-called **END TAP INSTALLATION** for End Users to get daily supply of healthy clean drinking water.



**MyWaterstation** can be applied to many raw water sources like ground water, wells, surface water, water cisterns, rainwater collection, water trucks and city water supply.



Schools



Hospitals



Resorts



Rural Villages



Remote Areas



Refugee Camps



First Aid



MyWaterstation

# APPLICATION FOR DISASTER AREAS



Water supplies hygiene environment for doctors, nurses and patient.



Fast response drinking water supply (Plug&Play) for refugee camps and disaster areas.



Shock protected for rough transportation conditions.



Easy Shipment via Air, Ship, Truck and Car. Pack size EURO Palette. Goods are not hazardous classified.



Fully automated system. shock protected mounted mechanic.



Simply operation: switch ON / OFF.



Easy to maintain. Implementation and expendable items - Plug&Play.



100% solar powered ON GRID supply 230V/110V via BACK-UP transformer.



Easy Transport. First Aid & Water Trucks.







*“Also it can be stated that the water treatment unit is a prevention unit against the new COVID19 Virus in the raw water and therefore to prevent this virus in the drinking water.”*

Excerpt of expert report 17 June 2020



Institute for Hygiene and Public Health ihph / University Bonn,  
WHO Collaborating Centre for Health Promoting Water Management  
& Risk Communication  
Director: Prof. Dr. med. M. Exner  
Head of Department: Dr. rer. Nat. J. Gebel



# TECHNICAL SPECIFICATIONS



PERFORMANCE	Up to 7.000 liters/day with SOLAR POWERED operation - Optional: up to 14.000 liters/day ON GRID 24 h.
CONTROL UNIT	Siemens and GermanTechnology according German Standard DIN / EN.
POWER SUPPLY	12V DC System, Solar Panels 12V DC 300 Wp and ON-GRID Back-up Transformer.
DIMENSION & WEIGHT	113 x 40 x 75 cm / 120 kg
CASING	Steelbox with anti-corrosive coating, handle-bar for easy transportation.
HOUSING CARTRIDGE	Housing made of anti-fouling and anti-biofilm material.
MOUNTING	SAS Shock Absorbing System - Component's shock protected mounted for rough transportation.
RAW WATER SUPPLY	1/2 inch connector with UV protected hoses.
DRINKING WATER SUPPLY	1/2 inch connector with UV protected hoses.
MATERIAL	Non-toxic materials, suitable for drinking water in accordance with German Standard DIN/EN and DVGW guidelines.
EXPERT REPORT	Biodosimetric Disinfection Performance Testing of the Solar Water Treatment Unit. University Bonn - Institute for Hygiene and Public Health ihph, Collaboration Partner WHO.
WATER QUALITY	Water purity +99.99 % according WHO Standard, UVC Dose +400 J/m <sup>2</sup> .

## MyWaterstation - Unique mobile solar powered Plug & Play Water Treatment Unit

- ✓ ENGINEERED & MADE IN GERMANY / BAVARIA - ISO 9001.
- ✓ Expert Report by University Bonn - Institute for Hygiene and Public Health ihph.
- ✓ Prevention Unit against COVID19 Virus.
- ✓ Destroys microorganisms, bacteria and viruses without the use of chemicals.
- ✓ All materials suitable and certified for drinking water - DVGW.
- ✓ Housing & Filter cartridges with antimicrobial technology.
- ✓ OFF-GRID independent and solar powered – solar water production up to 7.000 l/day.
- ✓ Simple one-switch operation ON / OFF.
- ✓ Easy to maintain and service without tools – pump, UVC Unit, hoses.
- ✓ LOGO Control Unit LCS - Siemens and Made in Germany Technology.
- ✓ Power Management.
- ✓ User guiding Control System for Service and Maintenance.
- ✓ Automated daily water production versus stagnation.
- ✓ Goods are not hazardous classified.
- ✓ Steel box with anti-corrosive coating and transport bars.
- ✓ All Connectors different versus malfunction and manipulation.
- ✓ SAS Shock Absorbing System for rough transportation.
- ✓ Low weight and easy to transport – Transport Box is also a Water Tank 100 x 120 x 100.
- ✓ Cost efficient. Liter drinking water production cost below 0.2 Cent/l.



Schools



Hospitals



Resorts



Rural Villages



Remote Areas



Refugee Camps



First Aid



World Health  
Organization

The cleanliness of our water  
exceeds WHO Drinking Water Guidelines.



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Contact: Blu-Box UG (haftungsbeschränkt)  
Obermarkt 8  
D-82418 Murnau am Staffelsee  
info@blu-box.io  
wwwblu-box.io