

# DECENTRALIZED & MOBILE SELF-CLEANING WWTP



## Filtration phases in this unit:

- \* Oxygen blown into wastewater storage tank
- \* Self-cleaning 50 micron filter
- \* Self-cleaning 3 micron fiber filter
- \* UV light against bacteriological growth

## Justification of Cost

- \* No chemicals
- \* Due to 24/7 self-cleaning no blocked flow
- \* No process down time for self-cleaning filter
- \* Low maintenance cost
- \* Short Return On Investment
- \* 50 m<sup>3</sup>/hour unit suits 5,000 to 10,000 people and measures 5 x 2 x 2.4 meter to fit into an 20 ft HC container
- \* Biological water purification
- \* PLC control unit is included



## On-site requirements

- \* 5 bar air pressure to operate valves and pistons for the self-cleaning facility
- \* 230 V or 110V electricity or optional solar panels for smaller skids and 380 V for the larger skids
- \* storage tanks