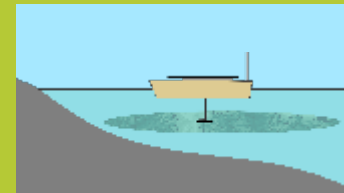


The device is intended for managers of:

- Natural bathing waters
- Surface reservoirs of drinking water
- Fish ponds and aquacultures
- Reservoirs of hydroelectric power plants
- To all who need early and continuous information about the water body status and action before the onset of irreversible consequences.

A vessel with deep probing can find a cloud of cyanobacteria and limit harmful algal bloom.



A dock, that mimics with the environment, enables lifting the boat out of the water and its power supply during the night.



A dock at Koseze pond during construction.

Measured data and location of the vessel is followed on the Monitoring Centre web site.

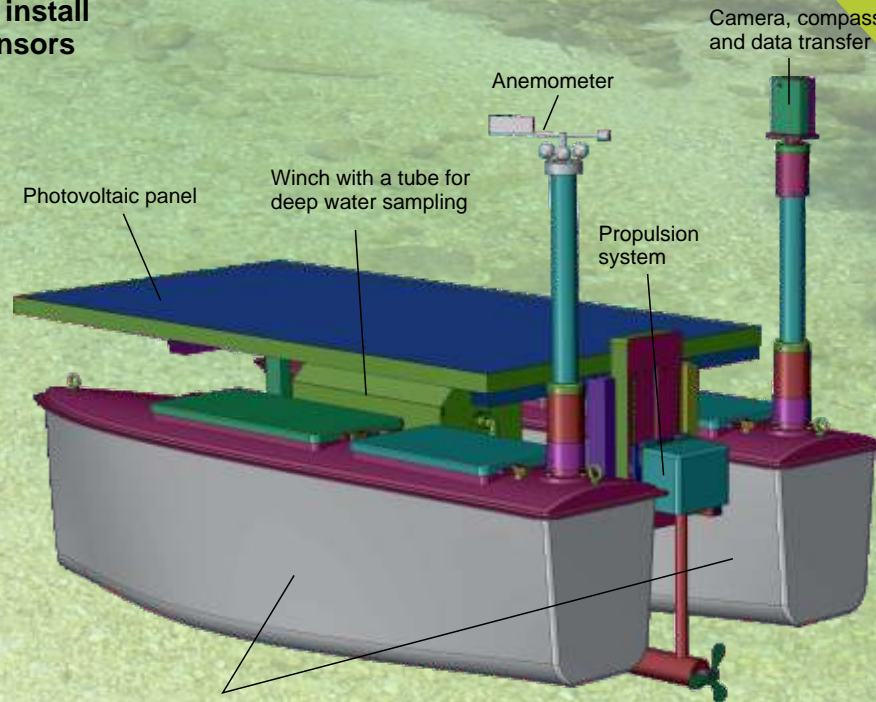


Specifications:

Dimensions (L x W x H)	185 x 105 x 45 cm
Weight	up to 80 kg
Sampling depth	0-25 m
Data transfer	TCP/IP over GSM/GPRS
Battery	4 x 12 V 55 Ah
Photovoltaic panel	180 W
Motor	180 W
Measured data	chlorophyll, phycocyanin, temperature, location, wind speed and direction; possibility to install additional sensors

Modular design of the vessel enables:

- Detection and discrimination of algae and cyanobacteria based on fluorescence.
- Real time data transfer to remote monitoring centre with remote control of operation.
- Water sampling in distant areas and different depths of water body.
- Up to 30 hours of continuous use with battery power supply and autonomous operation during sunny weather by photovoltaic panels.
- Simple assembly of the components and transport by car.



Inside the hulls: automatic sampler, probe for detection of cyanobacteria, electrolytic cell for prevention of cyanobacterial growth, electronic control unit with batteries.