

CONTINUOUS REAL TIME BIOLOGICAL

water monitoring solution

**We detect, classify and count algae
and other microscopic organisms
in your water**



NEW DIMENSION IN WATER MONITORING

CONTINUOUS REAL TIME BIOLOGICAL water monitoring solution

WaterScope represents a new approach in the field of water monitoring using a volumetric analysis method. WaterScope provides images of the microorganisms in the water and automatically counts and classifies them. **Our unique water monitoring technology ensures real time water quality** information thus enables immediate intervention in case of any risk. WaterScope has been developed by water professionals to provide a reliable and cost effective biological monitoring tool for the industry.

1. WATER FLOW

As the water runs through the device it can provide real time data

5. REPORTS

The central computer stores pictures, generates statistics and reports automatically.

4. RECOGNITION

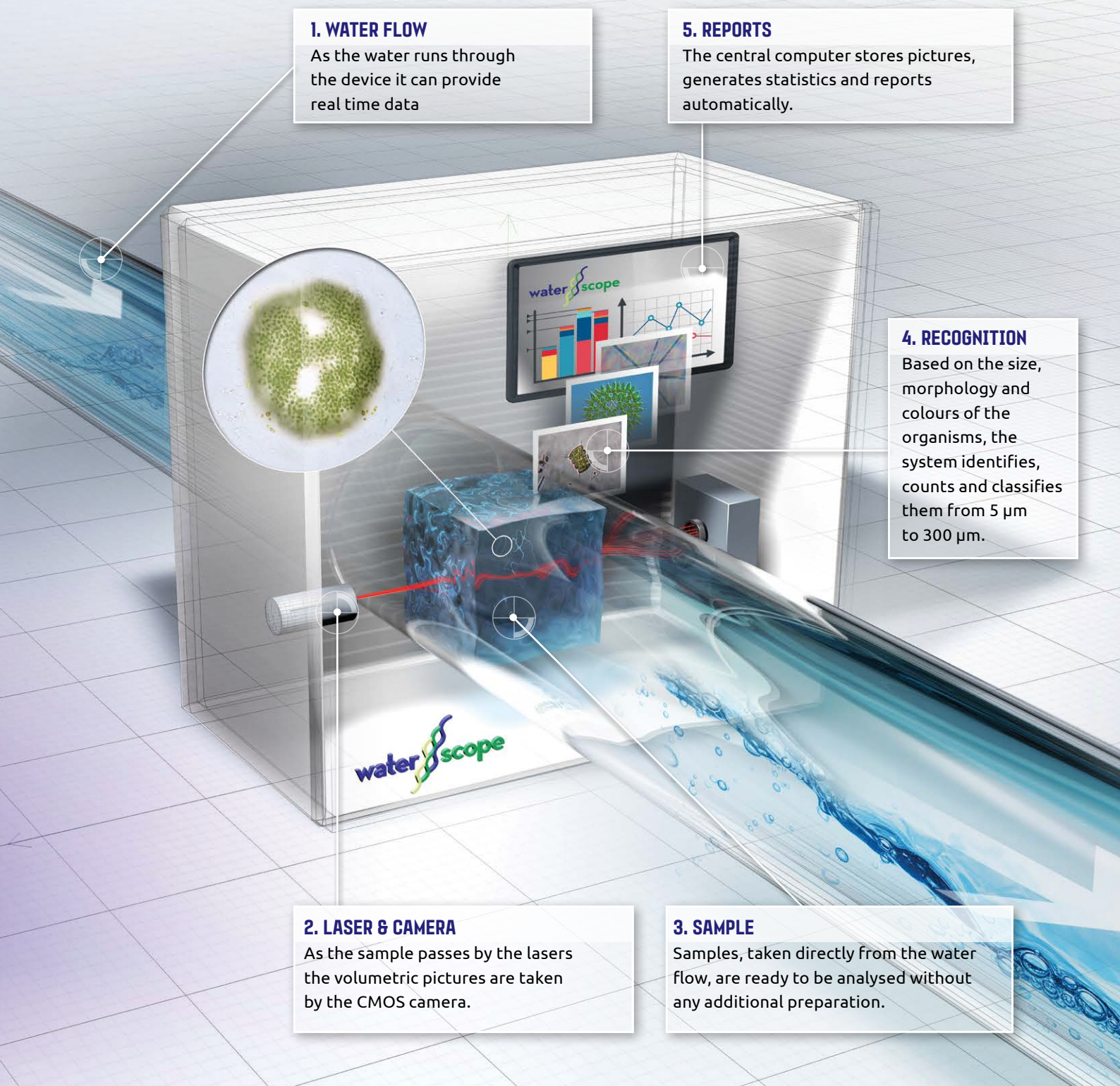
Based on the size, morphology and colours of the organisms, the system identifies, counts and classifies them from 5 μm to 300 μm .

2. LASER & CAMERA

As the sample passes by the lasers the volumetric pictures are taken by the CMOS camera.

3. SAMPLE

Samples, taken directly from the water flow, are ready to be analysed without any additional preparation.



MULTIPLE APPLICATIONS

WATER UTILITIES

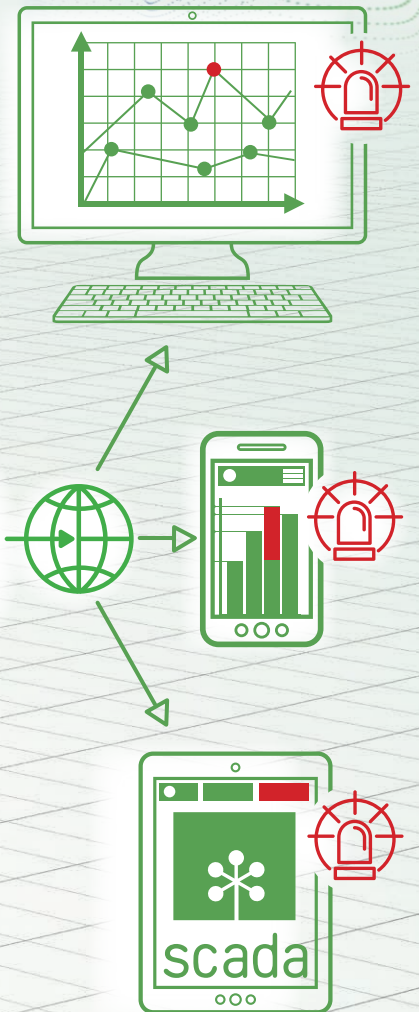
SURFACE WATERS

FISH FARMS

PROCESS WATER
IN FOOD INDUSTRY

RESEARCH CENTRES
AND LABORATORIES

INDUSTRIAL WATER



ADVANTAGES



REAL TIME MONITORING

On-site measurements and early warning ensured 7/24.



AUTOMATED PROCESS

Fully automated solution from sampling until reporting.



RELIABLE DATA

Recognition and classification is independent from human skills.



ONLINE ACCESS AND ALARM

Remote data access and automatic alarm through the Internet.



EASY INTEGRATION

Designed for easy integration into existing systems.



LOW MAINTENANCE REQUIREMENTS

Developed to minimize maintenance needs and cost.

TWO RANGES OF MEASUREMENTS ADOPTED TO YOUR LOCAL NEEDS

WATERSCOPE MONO ONSITE DEVICE

Typical organisms:
unicellular (flagellates, ciliates)
and multicellular organisms
(nematodes, rotifers)

Analyzed volume:
1,5-2 l/hour

Size of recognizable objects:
50-300 μm

Method of analysis:
morphological

Display: customized

Early warning:
email, sms, web

Data connection:
LAN, WAN, Modbus

Size:
400×250×600 mm



WATERSCOPE MICRO ONSITE AND TABLE-TOP DEVICE

Typical organisms:
cyanobacteria, algae,
iron bacteria,
some fungi

Analyzed volume:
1-2 ml/hour

Size of recognizable objects:
5-150 μm

Method of analysis:
morphological and colour

Display: customized

Early warning:
email, sms, web

Data connection:
LAN, WAN, Modbus

Size:
400×250×600 mm



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