



# SMART FISH

Microplastics contamination in the natural water bodies, which are resulted from disintegration from plastic waste, has raised public concern due to high level of fragmentation and disturbance in ecosystem. The associated problem will significantly affect the sustainability of aquatic animals and human beings. Scientists are concerned about microplastics as they are found to pose negative impacts on the health of marine organisms.



## OUR INNOVATION

### REAL-TIME DETECTION OF VARIOUS TYPES PLASTICS

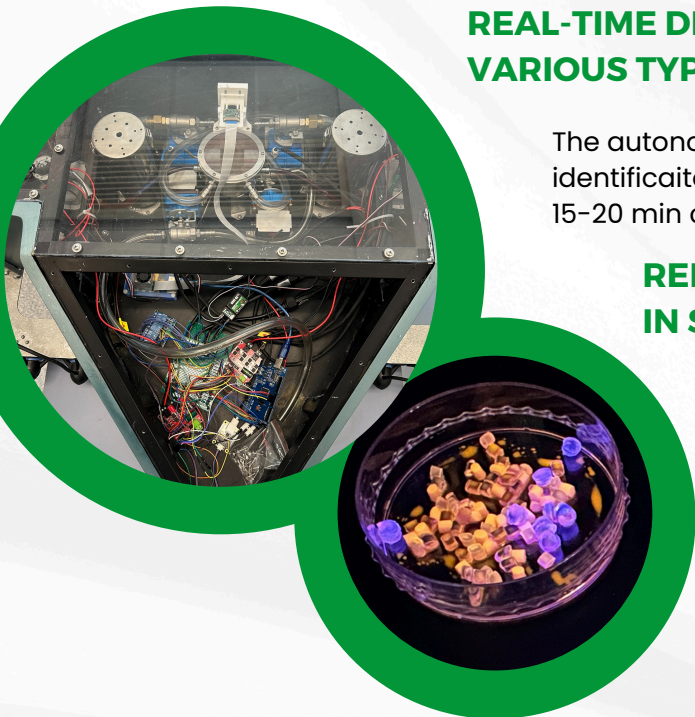
The autonomous device speeds up detection time and identification of major plastic types (e.g. PP, PE, PET, PVC) in 15-20 min compared to conventional method.

### REMOVAL OF MICROPLASTICS IN SURFACE WATERS

Around 10-15 L of water samples will be filtered in the Smart Fish prototype. Microplastics will be collected for further analysis in laboratory after detection.

### OCEAN SENSOR DETECTING WATER PARAMETERS

Our Smart Fish prototype equips with sensors measuring other water parameters (e.g. water temperature, pH) which may affect microplastics abundance in close proximity.



## ABOUT US

Enviridis Technology Company Ltd. is an environmental consulting firm offering technical solutions for environmental challenges. With expertise in solid waste and wastewater engineering, process modification, and ocean science, we provide practical applications to address current environmental issues.



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