

# AN INNOVATIVE SENSOR SOLUTION FOR SMART WATER MANAGEMENT

EUREKA GLOBALSTARS SINGAPORE, JULY 2020



# WHO WE ARE WHAT WE DO



Advanced manufacturing SME founded in 2018 and located in Liverpool, one of the UK's leading tech and innovation hubs.



Developer of leading-edge IOT enabled sensor solutions for analysis of liquids and gases across a range of eco-applications, and industrial and commercial systems.



Specialists in spectroscopic and mass spectrometric technologies.

Strong social focus: SDGs, tech for good, environmental sustainability, public health.



# PROJECT BRIEF



Water pollution is a major threat to human, economic and ecosystem health across Southeast Asia.

Negative impacts are set to increase in severity going forward, in parallel with rapidly escalating water stress and climate-induced change in water chemistry.

This project will deliver a portfolio of unique smart sensor solutions for the real-time analysis of an unparalleled range of waterborne pollutants, including nano- and micro-plastics, heavy metals, and organic biotoxins, to PPB sensitivities.

Deliverables: improved water quality and threat response, reduced waste; better health, economic and environmental outcomes.



# PARTNER PROFILE



We are excited to explore partnerships with organisations operating in the water and wastewater sectors, including those with experience of supporting rural water supply.

We would be particularly interested in partnerships which provided opportunities to engage in future collaborative research and development opportunities, and which have experience of markets across Southeast Asia.



We are currently looking for opportunities to evaluate and adapt our technologies in novel ecosystems through pilot testing/first installation initiatives.

This project will yield a functioning prototype which can be subsequently advanced through the TRL scale to full product status.

Market research in the UK and Europe has identified a strong demand for a multitype contaminant sensor platform. Cross sector deployment across southeast Asia will deliver significant commercial impact as well as benefits for regional health and ecological and environmental sustainability.

