

NEW TECHNOLOGY FOR A CLEANER ENVIRONMENT

EUROPEAN FUNDING FUELED THE DEVELOPMENT OF CLEAN WATER SENSORS BEHIND THE, NOW COMPLETED, AQUARIUS H2020 PROJECT

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VILLACH, AUSTRIA—The Aquarius Project recently wrapped up their highly successful activities in the pursuit of clean water. This four year project received funding under The European Union's Horizon 2020 research framework. In Aquarius, the spotlight was on the development of a nascent sensor using advanced photonic structures for detecting contaminants in water. The significance of the laser sensor is that it is portable, reliable and relatively inexpensive. This means that water can be tested for oil or other contaminants inline and online. In other words, once the laser sensor developed in Aquarius is ready for the market, the trip from the water source to the lab can be eliminated. This workflow could represent a staggering increase in water testing efficiency and accuracy in the future. At the end of 2020, project partners KWR in The Netherlands and OMV in Austria put the sensor to the test in a series of real world scenarios. While there is still some work to be done before the sensor is market ready, the Aquarius project was clearly a catalyst in moving this great idea from the lab to reality in the form of a tangible product. The well balanced AQUARIUS consortium consists of eight partners from five different countries including Austria, Germany, Poland, Belgium, and The

Netherlands and included three SMEs, two industrial companies, two research organizations, and one university. The project was coordinated by Technikon in Austria.

About Technikon:

Technikon is a private research service and engineering company in Austria which manages multinational teams in the organization, execution and assessment of research projects. Technikon is Europe's leading private company coordinating and disseminating technology-based cooperative European research projects.

For more information about the AQUARIUS project, visit our web site or contact the coordinator directly:

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