

# Sensor systems for monitoring plant nutrients dissolved in irrigation water

## Sensor systems for monitoring plant nutrients in water in real time

<b>Looking for</b>	<p>The company is searching for innovative low-cost sensing and data acquisition solutions, for monitoring macro- and micro- plant nutrients in closed-loop hydroponic systems which they could integrate within their existing products. The sensors should provide NRT (near real-time) measurement frequency wherever possible. The monitoring equipment/systems should be adapted to operate in wet environments (nutrient rich water) and offer adequate long-term reliability in terms of measurement errors. The systems should ensure easy to use operability in the context of maintenance and sensor calibration. On-site training for company personnel (sensor integration, calibration, maintenance, etc.) offered in a comprehensive service is desired.</p>
<b>Stage of Development</b>	TRL 7 or higher
<b>Form of cooperation</b>	Purchase of equipment, co-development of products (requirements of beneficiary partner), testing
<b>Language of communication</b>	English, Slovenian, Serbian
<b>Key Words</b>	Agriculture, horticulture, nutrients, cultivation, plants, sensors, monitoring system, IT, automatization, hydroponic systems
<b>More information</b>	For additional information please communicate with the contact point.
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