Sensor systems for monitoring plant nutrients dissolved in irrigation water

Sensor systems for monitoring plant nutrients in water in real time	
Looking for	The company is searching for innovative low-cost sensoring 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.
Stage of Development	TRL 7 or higher
Form of cooperation	Purchase of equipment, co-development of products (requirements of beneficiary partner), testing
Language of communication	English, Slovenian, Serbian
Key Words	Agriculture, horticulture, nutrients, cultivation, plants, sensors, monitoring system, IT, automatization, hydroponic systems
More information	For additional information please communicate with the contact point.
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