Low-Cost and Scalable IoT Sensor Packages for Environmental Sampling

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Opportunity and Significance
- Low-cost and Ubiquitous Sensors
- Connection to Internet
- Data Mining Techniques
- Data Visualization

Technical Objectives
The objective of the project is to present a low-cost Scalable IOT sensor package to allow users to test environmental criteria (such as temperature, turbidity, etc.).
- Low-cost in comparison with other packages in market
- Easy to setup on drone (for testing over lakes)
- Capable to transmit data through internet and store data on the GE Predix cloud to predict future behavior of the model that we created based on the data
- User-friendly interface and Low-weight

Related Work and State of Practice

Technical Approach, Accomplishments and Results

Next Steps for Development and Test
- Lab Work and Website Development
- Field Work
- Community Engagement
- Commercialization

Commercialization Plan & Partners

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