

## Formstack Submission For: [CRIN Matchmaking support](#)

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**Are you a member of CRIN?:** Yes

**1. What type of organization are you looking to be matched with?:** Oil and gas producer

**2. Please provide a brief description of your organization:**

AOMS Technologies offers integrated Industrial IoT platforms for generating actionable insights from assets and processes to enhance efficiency and productivity, reduce operation cost, increase safety, and improve environmental sustainability. AOMS IoT platforms are integrated sensors and analytics tools developed for harsh environments and heavy industrial applications where conventional technologies fail, lose performance, or cannot be deployed efficiently. We have deployed our solutions globally in construction sites, power generation stations, refineries, cleantech energy facilities, heavy manufacturing plants, and environmental remediation sites.

**3. Please provide a brief description of your proposed project:**

Our proposed innovation is focused on these two key challenges to fast-track the adoption of IoT in industries that are early in the IoT enablement route. The proposed innovation is an out-of-the-box, plug-and-play, and pre-integrated hardware and software

platform that enables the connectivity of any sensor and monitoring instrumentation type to the cloud and cloud integration with enterprise data services without the need for customized and deep engineering and system integration efforts. The innovation is based on a universal IoT node that is agnostic to sensor types and sensor-specific communication standards and enables the connection of any sensors to the cloud using the most common communication protocols including LoRaWAN, LTE-M, and WiFi. Besides, the proposed platform is developed for operation in harsh environments that require a higher level of reliability and robustness. Examples of harsh environments are areas with a combination of extreme environmental conditions (high/low temperature), outdoor conditions, high shock, and mechanical vibration, chemical exposure, and high electromagnetic interference areas. Combining all these features into a single plug-and-play platform is an improvement in functionality, performance, and cost over existing and state-of-the-art IoT technologies.

**5. Which focus area(s) are you looking to address or collaborate on?:**

Environmental monitoring

**6. Briefly describe what type of support you need from a producer partner (e.g. field test site, technical expertise, resources etc.):**

We would like to collaborate with the producer partner in field testing and validation of our technology.

**7. Briefly describe the skills and services you are able to offer as a partner/collaborator :**

- IoT systems design, integration and implementation

**8. What test or research is required to most cost effectively reduce technical or economic uncertainty and/or prove important features/benefits of your technology?:**

**9. Have you already connected with, pitched to, or been introduced to any oil land gas producer partners regarding this project?:**

No

**10. Is there any additional information you would like to share to assist us in matchmaking?:**

**By registering my interest, I accept that the information submitted in this form will be used by the Clean Resource Innovation Network, and MaRS for the purpose of the CRIN Digital Oil and Gas Technology Competition, including the posting a project summary on the CRIN website for producers to view.:**

Yes, I am interested in matchmaking support