

AGTECH R&D ENGINEER

ABOUT AGR IOT LTD.

Agri IOT Ltd. t/a 'Moonsyst' is a leading provider of Rumen Bolus Sensor solutions designed for the health and reproduction monitoring of ruminant livestock. Moonsyst also offers Bolus Sensors extensively used by research and animal feed nutrition companies. These advanced sensor systems are supported by a sophisticated IoT platform, which ensures that real-time data is transmitted directly to the cloud and made accessible via web or mobile applications. Moonsyst is committed to advancing agricultural technology and empowering farmers and researchers with reliable and innovative solutions. We are seeking tech savvy individuals with a background or interest in farming who are enthusiastic about applying modern technologies to make farming better.

JOB TITLE

AgTech R&D Engineer (Full time).

LOCATION

Hybrid in collaboration with Tyndall, Cork, Ireland.

SALARY

Depending on experience

JOB DESCRIPTION

This is a full-time hybrid role based in Cork, Ireland, with the flexibility to work remotely for part of the time. As an Agtech R&D Engineer, your responsibilities will include conducting in-depth research and development activities on electrochemical based pH sensing, performing product testing, designing innovative agricultural technology solutions, and contributing to product development efforts. You will be closely involved in creating, evaluating, and improving solutions for livestock monitoring and health management. Collaboration with cross-disciplinary teams and stakeholders will also be an integral part of your role.

The successful applicant will be able to quickly understand the business strategy and objectives and act as a link between the business stakeholders and developers. It will be necessary to successfully handle multiple tasks, projects and priorities in a fast-paced environment.

JOB SPECIFICATION

- To take responsibility and conduct research to develop and refine existing products
 - Design, build, and test electrochemical based pH prototypes using silicon chip-based technologies
 - Analyze data to optimize product design and performance
 - Document research findings, test results, and technical reports
 - Support development and product testing during the build and test phases
 - Provide technical support around electrochemical sensors to other departments as needed
 - Stay informed of industry trends and emerging technologies
 - Conduct market research on existing products
 - Identify new opportunities for silicon chip-based technology for use on Bolus products
 - Collaborate with other teams to bring products from concept to commercialization
 - Support other aspects of the business operation
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SKILLS REQUIRED

- PhD in Chemistry, Engineering or related Scientific Discipline
- Relevant research experience in experimental electrochemical sensors research, with a proven track record of publications in leading journals
- In-depth knowledge of silicon chip based electrochemical pH sensing

- Strong skills in Research and Development (R&D), including designing and optimizing technology solutions for agricultural applications
 - Proficiency in conducting Research and performing Testing to ensure the reliability and efficiency of products
 - Experience in Product Development and bringing innovative solutions to market
 - Exceptional Analytical Skills to evaluate data and identify trends or patterns
 - Familiarity with IoT platforms and agricultural technology is a plus
 - Motivated self-starter who can work in a team environment
 - Excellent documentation skills
 - Be able to plan and track activities/tasks
 - Ability to work to schedule
 - Ability to multi-task
 - Be willing to travel if required to support project objectives
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WHAT YOU WILL GET IN RETURN

- A genuinely unique opportunity to be part of early-stage company applying the latest IoT Technologies to animal health applications
 - Collaboration with a world leading research organization with the opportunity to learn from in-house experts
 - A chance to make a real difference in helping farmers become more sustainable
 - Convert your ideas into tangible business solutions
 - Exposure to all aspects of the business, cross-jurisdiction and to working with senior management directly on business development
 - Opportunity to identify and lead new R&D projects
 - Flexible working hours (hybrid model)
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HOW TO APPLY

If you are interested in this role, please apply for this role with your updated CV and Cover Letter to:

 [**info@moonsyst.com**](mailto:info@moonsyst.com)

More information about Agri IoT Ltd. and products will be made available at that point.

ADDITIONAL INFORMATION

We are an equal opportunity employer and ensure that no applicant is subject to less favourable treatment on the grounds of gender, gender identity, marital status, race, colour, nationality, ethnicity, age, sexual orientation, socio-economic, responsibilities for dependants, physical or mental disability. Any hiring decision are made on the basis of skills, qualifications and experiences.