



## Our alignment with the UN Sustainable Development Goals.



### SDG2 Zero Hunger

We strongly believe that Ireland has the potential to be a leader in sustainable farming, setting an example for the rest of the world, as the demand for animal proteins continues to rise. Our technologies provide best practice solutions to support improving sustainability and regenerative agriculture, which naturally reintroduces carbon and nutrient resources back into the land, supporting ecosystem health, mitigating climate change, and supporting farmers and their livelihoods through more reliable growing yields. These practices safeguard the future of our food supply and play a crucial role in high quality food production.

### SDG3 Good Health and Wellbeing

Our Smart Technology System helps livestock well being by flagging health issues to the farmer, who can intervene early and help the animal recover using at first non-antibiotics treatments and monitor the progress. This results in healthier, longer living animals and a reduction in antibiotic use.

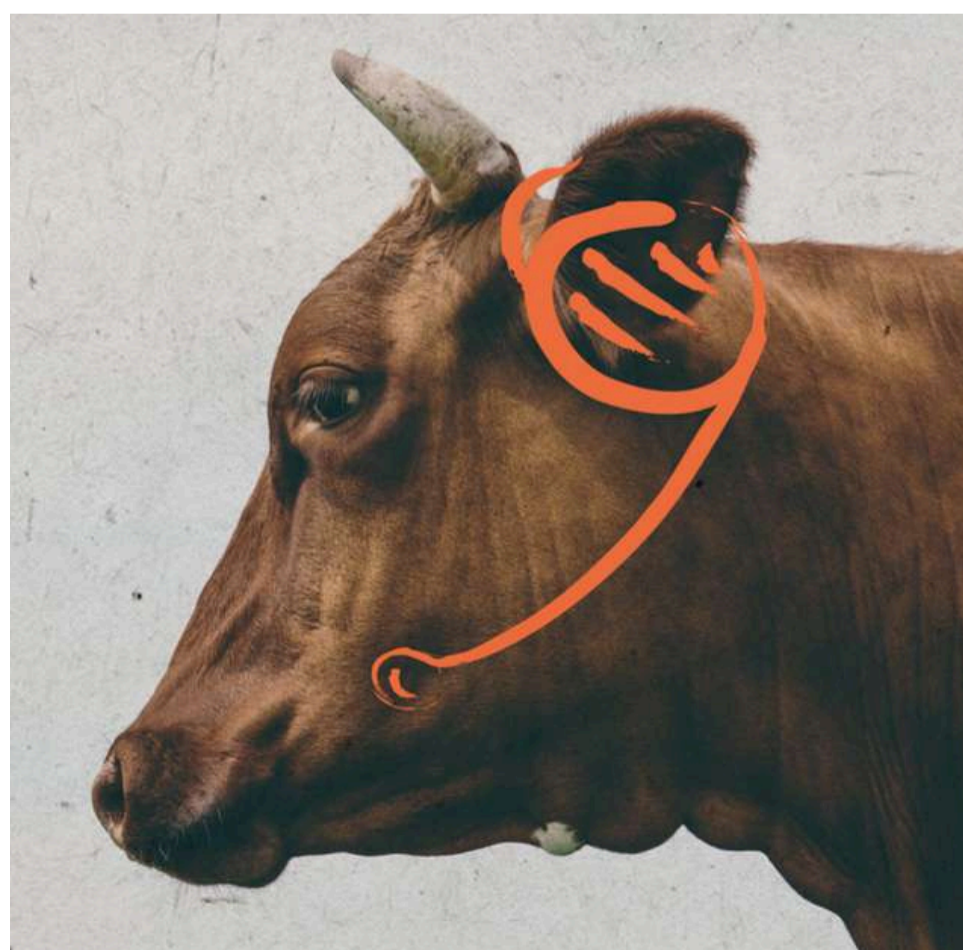
### SDG4 Quality Education

Our software solutions capture best practices in herdsmanhip and create a culture of excellence for farmers. It acts as a training manual for best practices that can be shared and utilised by farmers all around the world. We would like to focus on the developing countries where people can benefit from our approach to herdsmanhip and become more efficient and productive. We work to position ourselves as 'thought leaders' in the space of Animal Health, Reproduction and Sustainability amongst the farming community.

We work closely with the local colleges and have sponsored a post doctoral research project with MTU Kerry and we've initiated Innovation vouchers with UCD Lyons Farm and CeADAR.

### SDG8 Decent Work and Economic Growth

By enhancing visibility on farm animal's health, our solution helps farmers to cut the economic costs associated with animal diseases and to improve feeding management and husbandry practices among the farming community. We strive to promote circular economy activities at every opportunity. We have invested in NFC technology embedded into our sensors, which allows them to be collected, identified and re-used.



# RUMEN BOLUS SOLUTIONS

• Health • Regeneration •  
• Sustainability •

## SDG9 Innovation

IMoonsyst has developed a range of innovative solutions that will optimise the farming industry for sustainability. From standard Bolus sensor to pH Bolus sensors, with gateway and web software that monitors cattle's rumen continuously.

We have invested heavily in working on a specific use case of our sensors as a method for monitoring the real time GHG emissions from ruminants. We are looking to offer the first cost effective method for monitoring the real time emissions, which will enable farmers to identify which animals are high/low GHG emitters and which awards are most effective in reducing biogenic emissions from ruminants.

## SDG13 Climate Action

Moonsyst is dedicated to promoting the best environmental practices and we use our social media presence to promote the large array of positive impacts that improves sustainability and regenerative farming can make on the environment. Particularly, how good soil management leads to higher carbon sequestration.

Our new monitoring solution for GHG emissions from ruminants will help the farming community to have accurate data on their emissions.

## SDG15 Life on Land

We plan, develop and apply techniques that restore and enhance soil health, increase biodiversity, and improve water management. We are looking to engage in active regenerative agriculture projects in Ireland, Wales, and England to promote practices that increase soil organic matter and enhance the natural carbon storage capacity of agricultural lands.

## SDG17 Partnerships for the Goals

In taking a role as thought leaders in improving Sustainable Livestock farming, we have collaborated with research institutes by providing technologies that are critical to the success of numerous GHG mitigation studies. We provide data to support the Sustainable Dairy Assurance Scheme (SDAS) and work locally with farmers to promote best practices in Sustainable Livestock farming. We link up with farm organisations to help promote improving Sustainable Livestock farming. When opportunities arise we present at seminars and conferences to promote best practices.

We plan to offer solutions to major Dairy and Beef processing companies to enable them achieve their Corporate Sustainability Reporting Directive (CSRD) by making farm/animal level traceability data available for integration into the overall supply chain.

Our goal is to enable farmers around the world to farm more sustainably, helping limit the amount of GHG emissions from Ruminants and to promote regenerative farming practice where applicable.

[Contact](#)

