



# CH<sub>4</sub>GUARD

EVERY ANIMAL. EVERY TIME.

**We Deliver Scalable, Verified Methane  
Reduction at Pasture.**



Visit Our Website  
[www.CH4guard.com](http://www.CH4guard.com)

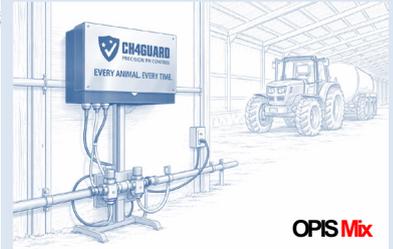
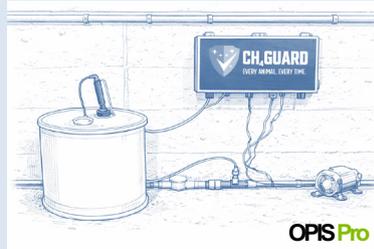
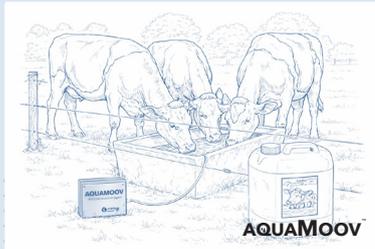




# What We Do

EVERY ANIMAL. EVERY TIME.

We accurately deliver *methane inhibitors* in animals drinking water. *Real-time data* powers our *dose confidence index*, turning inhibitor use into *trusted* climate impact at scale



EVERY ANIMAL. EVERY TIME.



# Our Journey.



NEW OPIS DOSING SYSTEM



V1-INLINE DOSING SYSTEM



**CH<sub>4</sub>GUARD**  
Launched New Dosing Systems

## TESTING

Initial market testing to establish need

## INVESTMENT

Manufacturing Facility Technology Team

## AWARDS



## LAUNCH

OPIS – V2 Dosing System and App updates

## EUROPE

Launched in International Markets

2012

V1 – CONTROLLER LAUNCHED



2017

NEW MANUFACTURING PLANT BUILT



2018

NEW HEAD OFFICE BUILT IN CO.KILDARE



2020

ORBVIE LAUNCHED APP UPDATED



2022

CH4GUARD DOSING SYSTEM LAUNCHED



2025

DOSING SYSTEMS REBRANDED

AQUAMOOV™  
AQUAHERD™  
OPIS Pro  
OPIS Mix

EVERY ANIMAL. EVERY TIME.



# The Challenge

**Q;** *How will farmers throughout the world feed methane inhibitors at pasture and prove they have done it?*

**2030**  
Over 130 countries worldwide have agreed to reduce methane emissions by 30%.

**GRASS CHALLENGE**  
Up to 80% of annual global methane Emissions are produced at pasture.

## Through Feed



Difficult if animals do not receive additional feed at pasture

**Poor reporting**

## Vaccines



In development but years away from commercial application

**Not Available**

## Lick Bucket



Difficult to administer at pasture. Inaccurate usage

**Poor Accuracy  
Poor Reporting**

## Bolus



Labour and bolus rejection concerns

**Poor Reporting**



# Why Water?

EVERY ANIMAL. EVERY TIME.



EVERY ANIMAL. EVERY TIME.



### FARM SIZE 100+

with water infrastructure.  
Suitable for pasture  
or indoor dairy, beef  
and sheep  
units.

### FUTURE READY

Compatible with a  
wide range of  
supplements  
and minerals!

OPIS Pro is an automated dosing system for medium to large herds that delivers supplements through water lines. It includes an easy-to-use app for dose rate settings, usage tracking, and real-time reporting. Additionally, it generates MRV data to support sustainability goals and demonstrate product usage on farms.

# OPIS Pro

Intelligent Dosing Every Day!



- Automated precision dosing through the farm water system



- Self-adjusting dosing for consistent accuracy



- Live insights on system performance
- Reporting suite



- Lifetime warranty\* (*T&C's apply*)
- App with real-time info and alerts



- Multi-product options
- 110-220V



- Adjust and monitor dosing from any location

TECHNOLOGY



**EVERY ANIMAL. EVERY TIME.**

## OPIS Pro



**01:** *Precise in all weather. For pasture and feedlots.*

**02:** *Automated Reports.*

**03:** *Easily installed and maintained.*

**04:** *Advanced MRV system - Dose Confidence Index.*

TECHNOLOGY



### FARM SIZE 100+

Using mixed rations  
In dairy and  
Beef units.

### FUTURE READY

Compatible with a  
wide range of  
supplements  
and minerals!

An intelligent dosing system designed to spray liquid supplements on to feed in a mixer wagon or robotic feeder. The system delivers the exact liquid supplement required for each animal group, ensuring maximum efficacy. Being in liquid form, the supplement mixes evenly across high, medium, and low dry-matter feeds.

*Stay in the cab, control via app.*

# OPISMix

Mixing Made Easy!



• Automated precision dosing through feed



• Spray technology to ensure even product dispersal



• Live insights on system performance  
• Reporting suite



• Lifetime warranty\* (*T&C's apply*)  
• App controlled directly from the tractor



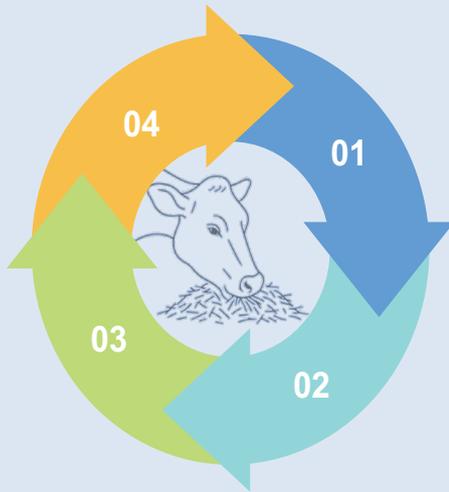
• Multi-product options  
• Water or oil compatible

TECHNOLOGY



**EVERY ANIMAL. EVERY TIME.**

## OPIS Mix



**01:** *Precise for feedlots and sheds.*

**02:** *Automated Reports.*

**03:** *Easily installed and maintained.*

**04:** *Advanced MRV system - Dose Confidence Index.*



**FARM SIZE  
SMALL to  
LARGE**

Suitable for pasture  
or indoor beef,  
dairy or sheep  
operations.

**FUTURE  
READY**

Compatible with a  
wide range of  
supplements  
and minerals!

AQUAHerd is a control system that doses supplements directly into your farm's water lines. It's designed for sheds or fields with piped water, giving every herd the right dose automatically. Controlled through an easy-to-use app, AQUAHerd is easily installed and runs in the background with accuracy and reliability.

Farmers can set dose rates, track usage through an APP. With AQUAHerd, there's no waste, no missed doses, and no guesswork—just consistent delivery across the herd.

# AQUAHERD™

## Simple Herd Dosing through the Farms Water System!



- App controlled precision dosing into the water system



- 110-220v powered (solar compatible)
- Alerts



- Long term warranty and easily maintained
- Single product use



- Durable design
- Suitable for Low & High pressure water lines



- Multi-product options
- Waste or oil compatible

TECHNOLOGY



EVERY ANIMAL. EVERY TIME.

## AQUAHERD™



**01:** *Precise dose in all conditions.*

**02:** *Automated Reports.*

**03:** *Easily installed and maintained.*

**04:** *Suitable for small farm holdings.*

TECHNOLOGY



**FARM SIZE  
SMALL *to*  
LARGE**

Dairy, beef and  
sheep  
operations

**FUTURE  
READY**

Compatible with a  
wide range of  
supplements  
and minerals!

AQUAMoov is a mobile system that makes sure every herd gets the right dose of supplements while grazing. It works straight out of the box - no wires, no hassle. Powered by battery or solar, it doses directly into the trough with full control from your phone.

Farmers can set dose rates, get alerts before it runs out, and see clear reports on what's being used. AQUAMoov works anywhere, in any weather, for both dairy and beef farms.

# AQUAMOOV™

Mobile Dosing Direct to Troughs in  
Every Pasture!



- App controlled precision dosing into drinker



- Moves with the herd
- Long life rechargeable battery



- Solar or power bank option for extended runtime
- Rugged all weather system



- Alerts
- Long term warranty and easily maintained



- Single product use - *compatible with a wide range of products.*

TECHNOLOGY



## AQUAMOOV™

(Patent Pending)



**EVERY ANIMAL. EVERY TIME.**

**01:** *No install and maintenance.*

**02:** *Solar & battery backup for remote pasture.*

**03:** *Precision Dosage.*

**04:** *Automated Reports.*

TECHNOLOGY



# Reporting



**The Dose Confidence Index achieves this and more!**

The core components that build a strong foundation for success.

EVERY ANIMAL. EVERY TIME.

# Dose Confidence Index

## Integrity and Verification Flow





# Dose Confidence Index



## Without DCI

- Usage assumed, not proven.
- Gaps hidden in averages.
- Easy to game or overclaim.
- Low-quality MRV.
- Greenwashing risk.

VS



## With DCI

- Hourly verified dosing.
- Gaps detected and excluded.
- Confidence scored, not guessed
- Audit-ready MRV
- High-integrity climate claims

*DCI - is the difference between claiming reduction and proving it.*



Accurate dosing  
through water or  
onto feed



Real Time  
Monitoring



Verification via the  
Dose Confidence  
index



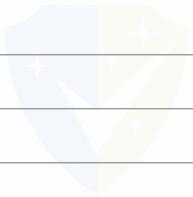
Scalable across  
farm sizes and  
geography

**CH4Guard** turns methane reduction at pasture into something  
that can be **delivered, measured and trusted.**



EVERY ANIMAL. EVERY TIME. **PROVEN.**

EVERY ANIMAL. EVERY TIME.



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EVERY ANIMAL. EVERY TIME.

POWERED BY:



## NOTES

Global Innovation Partner for

METHANE REDUCTION

+353 (0)87 216 5374 [Info@ch4guard.com](mailto:Info@ch4guard.com)

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