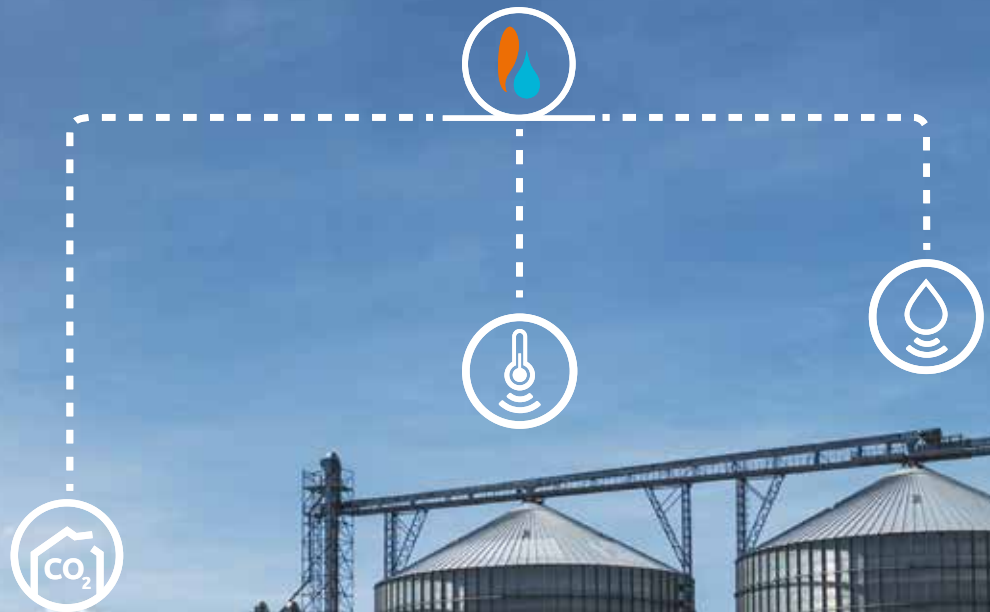


# INTELLIGENT GRAIN MONITORING & CONTROL



Protecting the world's harvest with innovative devices and data-driven insights





## FEATURES

# GRAIN BIN MONITORING

### SOLID HARDWARE COMPONENTS

### A NEW INTELLIGENT SOFTWARE PLATFORM

 TEMPERATURE MONITORING

 MOISTURE MONITORING

 INVENTORY MANAGEMENT

 SILO HEAD SPACE MONITORING

 WEATHER STATION

 CO<sub>2</sub> MONITORING

 AERATION CONTROL

LET'S GO DIGITAL  
AND LOOK INTO THE  
FUTURE TOGETHER



## WE BELIEVE IN A **DIGITAL** FUTURE

### Make decisions based on valuable and reliable data

Let's talk about intelligent software management for grain and crop storage – it's all about what solid hardware and new intelligent software can do for you. Take full advantage of the newest technology and let our AgroLog grain and crop quality management system give you the strong tools you need to always be in control of your grain and crops.

At AgroLog we no longer only talk about the advantages of our hardware. We talk about all the convenience and possibilities that we offer through our new and improved product line AgroLog by Supertech Agroline.

- Quick return of investment
- Minimise waste
- Maximise profit

We are here to help to protect and secure your crops and values.



## I GRAIN BIN MONITORING **SOLID HARDWARE AND INTELLIGENT SOFTWARE**

AgroLog is for those of you who need a fully automated Temperature and Moisture Monitoring System to make your daily workflow easier and safer.

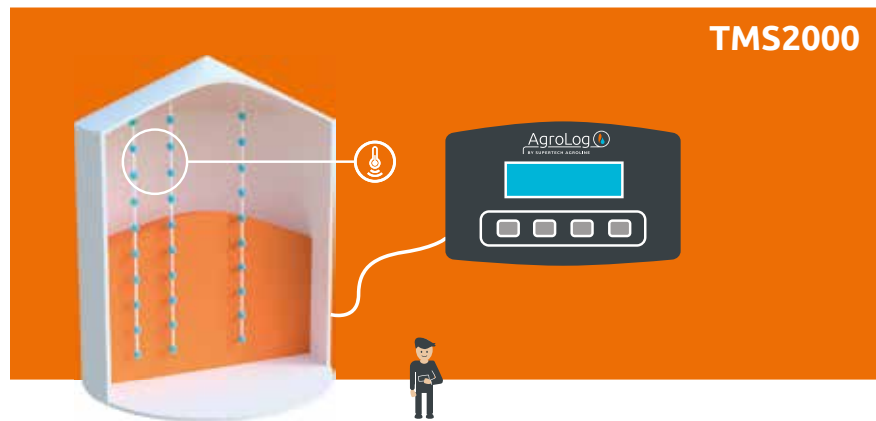
The system is comprised of solid hardware and intelligent software. It is up to you how advanced a solution you need. It is also up to you if you want a cloud-based or on-premises software solution.

We can customise AgroLog to your exact needs – no matter how many silos or bulks you need to secure or where they are located.

# User examples:

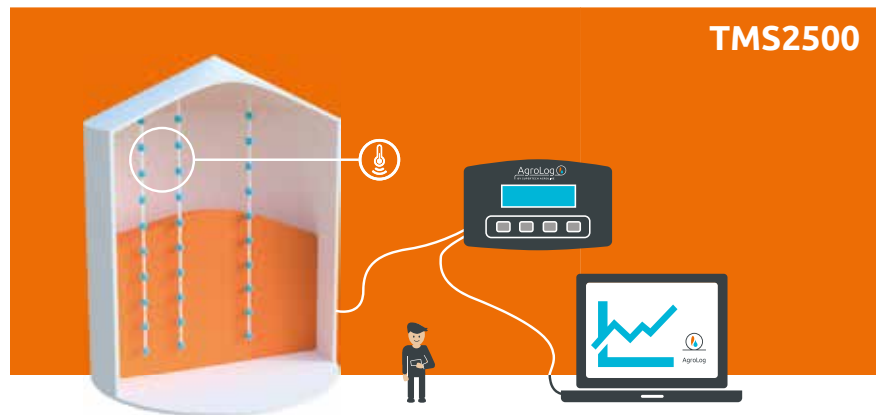
## For those of you who need to know the temperatures inside your silos

Every silo facility needs accuracy and a reliable temperature monitoring system. Our TMS2000 is a basic, professional handheld terminal and read-out unit.



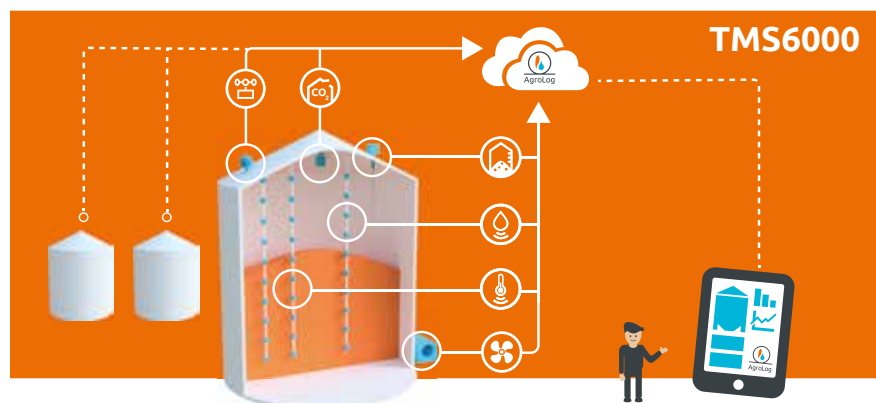
## For those of you who need to be able to follow the development of your crops

Our TMS2500 is a compact, portable hand terminal with built-in memory for documented temperature monitoring which also includes a PC software program that can give you a quick overview.



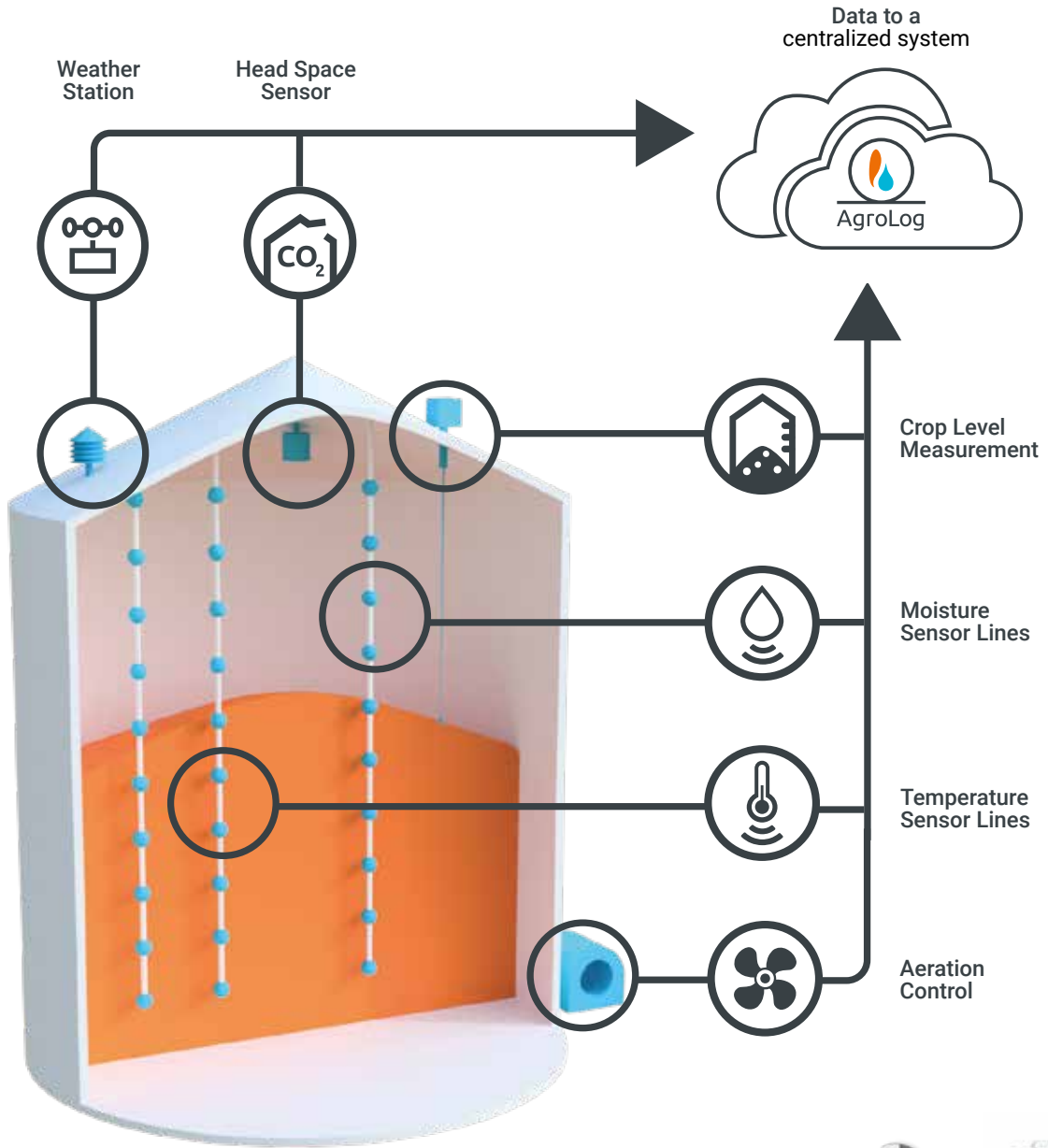
## For those of you who need a fully automated system

Take full advantage of the benefits of the new technology and let our Agrolog grain and crop quality management system give you the strong tools you need to always be in control of your grain and crops.



# HARDWARE

## Solid Hardware Components



Hand Terminal  
TMS2000 / TMS2500



Netlink



Netcontroller



Temperature  
Sensor Line



Moisture  
Sensor Line

Please visit [agrolog.io](http://agrolog.io) for more information



## MOISTURE MONITORING

### For better storage quality and safety

Moisture and shrinkage control is achieved by measuring moisture content and temperature at several points throughout the silo.



## TEMPERATURE MONITORING

### Avoid spoilage in your grain by detecting hotspots

Check temperature regularly until the target temperature is reached. Cool temperatures permit grain to be stored at a higher moisture content level. Insects, mites, fungal and micro-toxins thrive in higher temperatures.



## WEATHER STATION

### Monitoring weather conditions provides great control for aeration

The weather station keeps a constant eye on ambient conditions, thus ensuring that only air with the desired properties is used for aeration.



## LEVEL MONITORING

### Tracking inventory in silos is an important component

Using the AgroLog software and our automatic level sensor makes it easy to know where crops are located and their quantity.



## AERATION CONTROL

### Automatic fan control optimises grain quality

Optimise grain moisture and temperature. Avoid shrinkage. Our temperature and moisture monitoring in combination with ambient temperature and humidity data starts and stops the fans automatically.



## CO2 MONITORING

### CO2 sensors can provide early spoilage detection

Insects and mould are organisms that respire and release CO2. The gas will travel to the head space of the silo due to the internal upward flow of air.



## SILO HEAD SPACE MONITORING

### Avoid condensation and wet grain on the surface

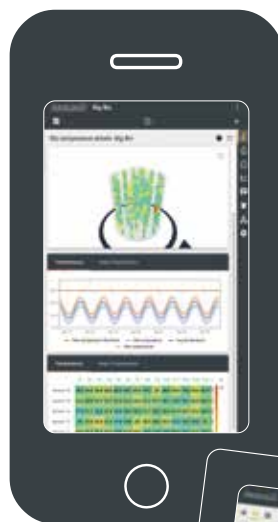
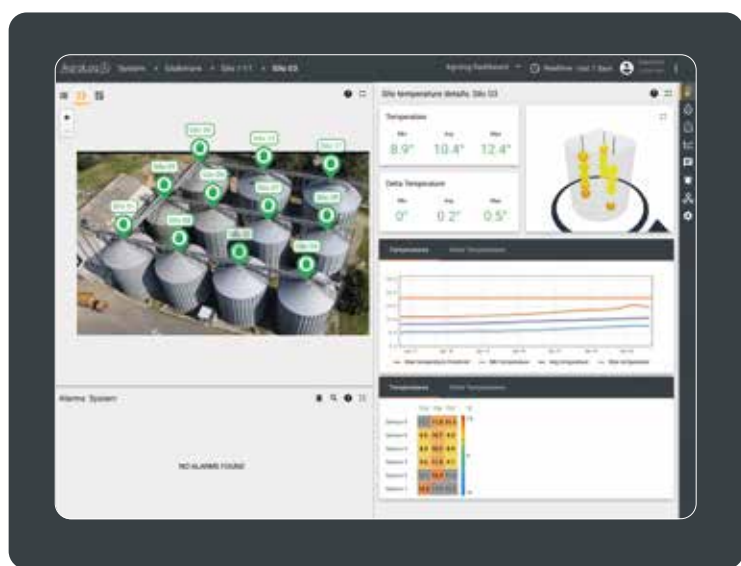
Roof ventilation fans are controlled by data from the Head Space Sensor located under the roof. Dew points are computed from temperature and humidity.

Prevent waste, fire and financial loss. This is a complete easy-to-use solution.

Let's go digital and look into the future together.

# AGROLOG MANAGER SOFTWARE

Customized for every client



AgroLog MANAGER Software is our intelligent software that will help you make better decisions. It is a new generation of agricultural monitoring software that will process sensor information, let you know about the smallest change in your storage facility and simultaneously automate critical tasks. We now offer you not only data but value from your data.



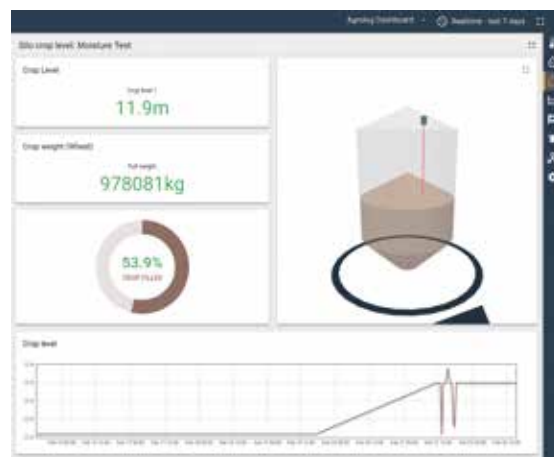
Intelligent software to help you make the right decisions.

## THIS IS HOW EASY IT IS TO OPERATE THE SYSTEM

- Access the system anytime and anywhere using PC, smartphone or tablet etc.
- Increase safety. With one system you can control multiple sites from anywhere in the world
- Centralised system. Achieves high security and protection of data while being easy to manage and maintain
- Use the automated reports. Save worktime by letting the software generate valuable insights for you
- No software, backup or server maintenance as we handle this for you. We guarantee the safety of your data'

## SOFTWARE BENEFITS

- Intuitive, modern graphical interface allows quick and easy interpretation of data
- Real-time data – telemetry, monitoring and control 24/7
- Real-time 3D visualizations quickly illustrate where the problems occur in the silo
- REST Interface for integration with third party systems and an open system that gives developers access to advanced computations
- Be alerted by e-mail to the slightest change in your crops, even when not currently using the software
- Full historical chart for deeper insights into trends



# I AGROLOG OUR VISION

## **We believe in grounding our work in expertise and exceptional service**

We envision a world in which technology supports and drives change in the agricultural industry. In this change, AgroLog can empower users in making the right storage and harvest decisions, minimizing energy consumption and CO2 emissions. We offer a reliable product portfolio for automated grain and crop management, equipped with the latest technologies, including solid hardware and intelligent software for automated silo surveillance and control.

## **We strive to empower users and lift customers with technology**

We develop and improve solutions based on research and continuous interactions with farmers and experts in the field. The growth of the world population and the increase of biofuel production will lead to shortages of grain in the future.

Our vision is a world where farmers and industry are awarded the full fruit of their labor and the environment is protected. AgroLog was created with this vision.

## **Facts about AgroLog**

- Family-owned business founded by Lars Frederiksen
- Dedicated to the development and manufacturing of high-quality grain monitoring and control equipment
- In-house Danish production
- Worldwide distribution and sales in more than 50 countries
- Reliable and trustworthy business partner. We are the grain expert from harvest to post-harvest and here to help you in every way and at every step of the process
- Strong relations and support all over the world and a strong after-sales service directly from our technical center in Denmark or through your local dealer





# I SERVICE AND SUPPORT ANYWHERE IN THE WORLD

AgroLog is a customised solution which includes full support at every step. We provide you with all the support you need. You can always contact us or your local dealer regarding installation, technical issues and questions regarding configuration of data and software – and of course daily use.



## WE DO AMAZING AFTERSALES

Worldwide locations – we still support you. We offer free online support at any time – before, during and after installation.



## FASTER AND BETTER SUPPORT

With our new software platform we now offer you more technical support and convenience during installation than ever before.



## 24-HOUR HOTLINE SERVICE

Don't hesitate to contact us to connect with our technology centre in Denmark if you have technical issues.

Supertech Agroline ApS  
Maltgoerervej 7  
5471 Soendersoe  
Denmark

Email: [info@supertech.dk](mailto:info@supertech.dk)  
Phone: +45 6481 2000

Feel free to contact us for  
further information or a  
demonstration of  
**THE AGROLOG SYSTEM**

**THE AGROLOG.IO WEBSITE**  
[agrolog.io](http://agrolog.io)



ATEX



ISO 9001  
Certified



EAC  
Certified

