

## Automatic Aeration Control

The iGRAIN Aeration Control Module applies true Equilibrium Moisture Concentration (EMC) aeration control

The iGRAIN Aeration Control Module is an indispensable tool to reach the target moisture and temperature in the fastest possible way. It supports safe storage of crops. It is 100% automatic.

The system utilises all information from the iGRAIN sensors: Temperature, moisture, and ambient weather station data, aeration fan pressure. The control software also uses weather data, climatic zone and other data to control the aeration process.

The system interfaces with the iGRAIN Dashboard Manager and the iGRAIN Smart App, and communicates with PLC/SCADA systems.

### Control software

The iGRAIN Dashboard Manager control software is an advanced set of algorithms with the objective to:

- perform a safe aeration control
- never wet the grain
- reach the target grain moisture and temperature as fast as possible
- save as much energy as possible
- keep the user updated via the iGRAIN Smart App about the progress towards the target

### Advantages

- Fully automatic or semi-automatic options
- Reaches your target moisture and target temperature automatically
- Adapts to any climatic zone
- True EMC aeration control
- Prevents grain moisture loss
- Saves power
- Fans only run when it makes sense
- Unmatched industry leading technology

### iGRAIN Aeration Control

Aeration control is the single most important issue in grain storage.

In fact, it is the only operational parameter after storing the grain in the silo.

iGRAIN aeration manager systems automate the task of maintaining optimal storage of your grain at the target moisture.

