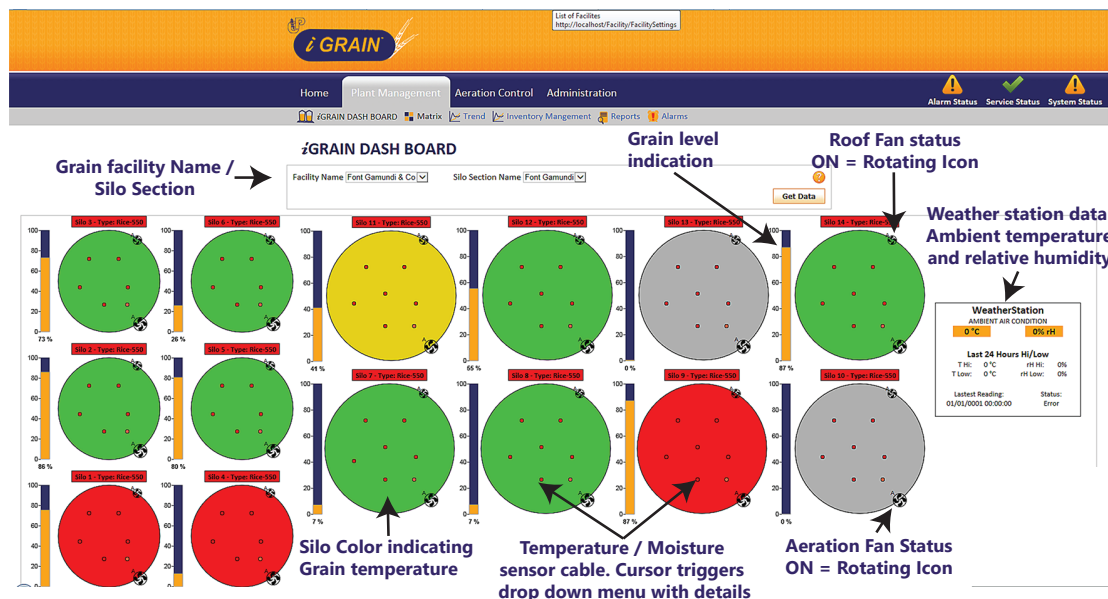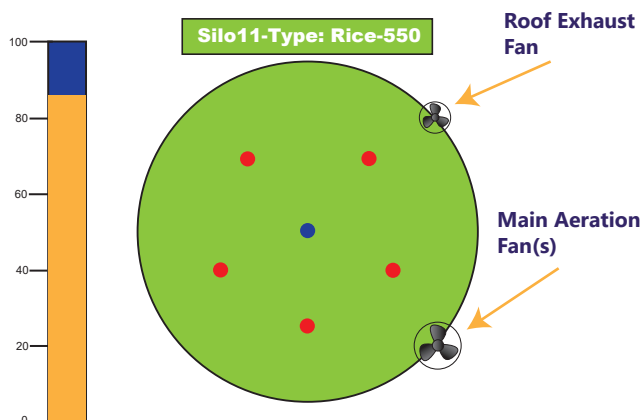# *i*GRAIN AERATION MANAGER
THE ULTIMATE AERATION CONTROL SYSTEM

General description

The iGRAIN AERATION MANAGER system contains the complete tool for optimum aeration control. It is easy to use and does not require a skilled grain manager to obtain versatile results during storage. It operates in automatic or semi-automatic modes and requires only a few basic settings to start operation. The performance of the AERATION CONTROL can be seen and checked at any time via the iGRAIN DASH BOARD MANAGER Software. The system utilizes all information from the iGRAIN sensors (Temperature, Moisture, CO2, Weather Station data, etc.), and can also utilize data from other sensor systems.

Advanced Fully Automatic Aeration Control

• **Fully Automatic - Easy to operate**
• **Aeration will ONLY be active when it makes sense**
• **You only select the below parameter**

User select	Setting options
Type of commodity	20 Standard commodities available
Active time window	Can be selected, or can be automatic
Target temperature	Set your target = ANY temperature you want *)
Target Moisture	Set any grain target moisture (14,0 %)

*) The settings of the aeration control parameters are made very easy to define in the set-up Menu.
Aeration is performed according to EMC principles so you can avoid moisture losses and shrinkage.

Control outputs

The system provides communication via RS-485 MODBUS with the iGRAIN relay output modules that may be placed where the Aeration fan start relays are placed and automatic transfer of data to e.g. a PLC.

Parameter settings

The settings of the aeration control parameters are made very easy to define in the set-up Menu.

Advantages

• **Adapts to any climatic zone**
• **Advanced hierarchic software based on SAFETY FIRST and OPTIMIZING GRAIN VALUE**
• **True EMC (Equilibrium Moisture Concentration) aeration control**
• **Minimizes moisture losses**

• **Supplied pre-configured from iGRAIN**
• **iGrain On-line Center support**
• **Aeration control reporting included in the weekly iGRAIN Monday morning Report**
• **Simple access system with passwords**