

## Silo Monitoring Solutions

iGRAIN provides sensor solutions for any type of grain industry: Flour mills, feed mills, oil mills, grain hotels, farmers, grain terminals and long term grain storage silos

### ► iGRAIN Sensor Solutions

- All-In-One sensor cable: Temperature, grain moisture, CO<sub>2</sub> (infestation), headspace humidity
- Temperature sensor cable
- Moisture sensor cable
- CO<sub>2</sub> sniffer cable for infestation monitoring
- O<sub>2</sub> sniffer cable
- Plenum pressure sensor
- Early warning fire sensor probe
- Rotary paddle level sensor
- Bin auditor radar for inventory management
- Weather station
- VOC sensor cable (volatile organic gasses)

### ► iGRAIN Network Solutions

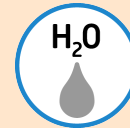
- Universal power and communication hub (AIO-Hub)
- MODBUS sensor communication

### ► iGRAIN Data Acquisition Solutions

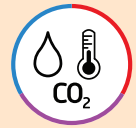
- iGRAIN Dashboard Manager PC solution
- iGRAIN Dashboard Manager cloud solution
- iGRAIN Smart App remote phone monitoring
- Integration with PLC/SCADA platforms
- Handheld readers for small systems

### ► iGRAIN Dashboard Manager Modules

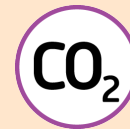
- Dashboard Manager including plant top view, matrix view, trend curves, and temperature sensor based inventory management
- Radar based inventory management module
- Risk quantification module (HACCP) - Risk Factor (0-6)
- Fully automatic aeration control module
- Grain manager report module
- Interface module for PLC/SCADA systems
- iGRAIN Smart App module
- Grain drying module
- In-bin and stirring bin drying control module



Moisture sensor cables



All-In-One sensor cables



CO<sub>2</sub> sniffer cables



Temperature sensor cables



Fire warning sensor probe



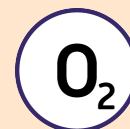
Radar inventory



Pressure sensor



Automatic aeration



O<sub>2</sub> sniffer cables



Roof fan control



Universal power and signal hub

