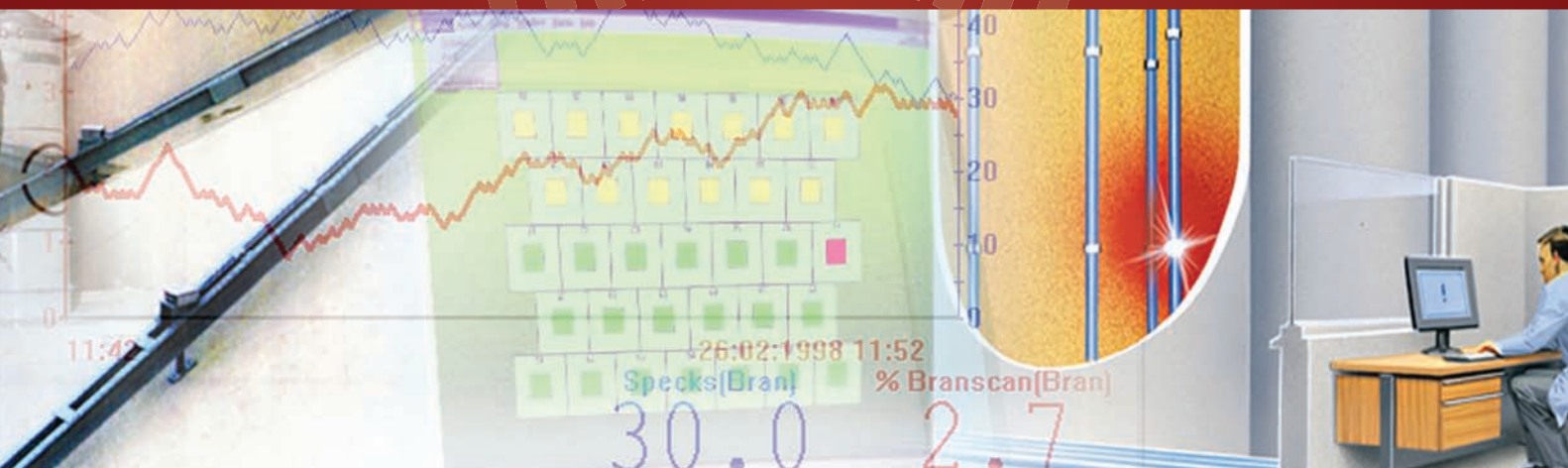


## CYMBRIA TEMPERATURE MONITORING

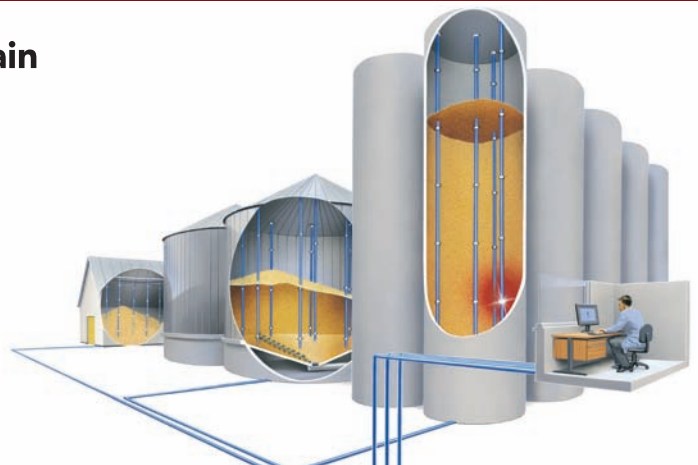


### WHY TEMPERATURE MONITORING?

Grain can be stored in many ways i.e.in silos or in flat stores. It is a common belief that the only threat to the stored grain are insects, impurities and rodents. This is only partly the truth, because the real threat to stored grain are factors like **moisture content, ambient temperature, ambient humidity, storage time and the grain temperature**. If these parameters are not in balance, a reduction of the grain quality could occur and may result in severe damage to the grain. An essential factor for the grain quality is the **balance between water content and temperature**. If one of these factors is too high the grain might start to "sweat". During the "sweating" process the grain will emit dry matter and water (loss of weight). In case the process is not stopped, the conditions in the silo or flat store will provide optimum conditions for micro organisms, insects and other impurities. This could result in a self-perpetuating process destroying the grain even faster. **With Cimbria's Temperature Monitoring System, the operator is able to act in time to prevent a possible negative development in the stored grain.** Problems with the stored grain may be solved either by **moving, drying or ventilating** the grain.

### BENEFITS

- **Reduces unnecessary movement of grain**
- **Reduces insurance**
- **Reduces breakage**
- **Reduces maintenance**
- **Reduces energy costs**
- **Ensures grain quality**
- **Ensures real time knowledge of grain conditions**



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