





# BACSOFT MONITORING AND CONTROL OF POULTRY HOUSES

## THE CHALLENGE

To ensure optimal growth and safeguard poultry production, conditions within hatcheries and poultry houses must be strictly maintained. Climate control, such as consistent temperature and humidity levels are vitally important. Companies look to the Internet of Things to ensure the most constant growth environment for poultry.

## THE SOLUTION

Bacsoft has an advanced IoT technology that optimizes and controls the climate inside poultry houses and hatcheries. Bacsoft offers an intelligent system capable of smart sensing and real-time monitoring of on-site temperature and humidity levels in multiple locations simultaneously. The system provides both local and remote alerts for any change in the environment of the poultry facilities.

## SOLUTION APPLICATIONS

- Real time climate monitoring and measurement
- Wireless system for remote monitoring via smart phone or PLC
- Monitoring and control of power utilization & lighting
- Configurable reports on individual or multiple poultry facilities
- Real time alerts about changes in temperature conditions or humidity
- Alarms on power outages, tampering or theft





## THE BENEFITS

- Constant feedback on the status of poultry facilities
- Predictive optimization of temperature, humidity & power
- Reduce costs through energy savings
- Preventive maintenance
- Tampering and theft alarms
- System failure alarms
- Easy to deploy, use and expand
- Easy to use from any computer, tablet or smart phone
- Full service turnkey solution

## SPECIFICATIONS

- Bacsoft Smart Controller: Standard or Low Energy, depending on field conditions
- Analog sensors (4-20 mA OR 0-10 V)
- Online monitoring, realtime broadcast
- For low/no power: sample / broadcast time according to customer definition
- Connection to lighting system and power supply

