



# BACSOFT MONITORING AND CONTROL OF WELLS

## THE CHALLENGE

Constant and controlled irrigation is key to a good harvest. Without constant monitoring and control of pump operations, water flow, operational status, electricity, underground water levels, lubrication and blockages, crops are at risk.

## THE SOLUTION

Bacsoft offers advanced IoT technology that optimizes well operations, simply and cost-effectively. With Bacsoft, you can remotely control a large number of pumps scattered over great distances, even without a reliable electricity source. From a control room, tablet or mobile phone, you can see everything that happens in the field in real time. You can then activate pumps, control flow, monitor water levels and act quickly in case of overflow alerts from the reservoirs.

## THE WELL MANAGEMENT SOLUTION

- Turn pumps on and off remotely
- Monitor pump connection and flow
- Monitor reservoir levels
- Monitor water pressure
- Monitor lubrication
- Overflow alerts
- Blockage alerts
- Power outage alerts





## THE BENEFITS

- Optimization of pump usage
- Extension of the life of the pumps
- Energy savings
- Productivity enhancements
- Cost savings
- More accurate irrigation
- Easy to deploy, use and expand
- Complete remote access via PC, tablet or smart phone
- Full service turnkey solution

## SPECIFICATIONS

- Bacsoft Smart Controller: Standard or Low Energy, depending on field conditions
- Single pump control: activate/deactivate remotely by directly connecting the pump to the controller or via PLC
- Multiple pump control: activate/deactivate remotely via connection to PLC
- Feedback from pump, using digital inputs
- Measurement of pump working hours
- Well/reservoir level monitoring: analog sensors (4-20 mA OR 0-10V)
- Logical connection between local pump station and wells in different locations to coordinate operation

