



# FLEX-ALERT

RFID & Biosensor Technology Solutions

Industry  
Precision Agriculture

**Water Quality Monitoring**  
**Soil moisture**  
**Water Irrigation**

**Multilon Sensors:**

Nitrate, Nitrite, pH,  
Potassium, Magnesium,  
Calcium, Chloride,  
Ammonium, Conductivity,  
Hardness

Soil Moisture Sensors  
Multiple depths  
depending on crops  
requirements

Wireless Water Flow  
Control

All Devices are Battery  
operated with 3 years life

Connectivity up to 10 km  
from the gateway  
IP65 enclosures  
Op. temp -10° to 50° C

Contact Information

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## INTERNET BASED PRECISION AGRICULTURE SOLUTIONS

Flex Alert Company Ltd has invested in research and development around innovative solutions to the problem of early detection of contaminants in the crop production. Timely detection of lack of water in the soil and crop contamination allows for substantial cost reduction both for farmers and processors. Internet of Things (IoT) technology opens up dramatic cost reduction of any sensing and control, making them attractive even for small farms.

## WATER QUALITY MEASUREMENTS AND CONTROL IN GREENHOUSES



## CONTINUING NITRATE MEASUREMENTS IN RUN-OFF AND IN-TAKE WATER

Flex Alert Internet based system, with easy access to data and decision tools on SMART PHONES, combines multiple sensors and control devices in green houses, to optimize the process, reduce the costs for famers and to help with compliance with Government regulations. The wireless network connectivity is a low cost, easy to implement by non-technical staff and provides full data security for the owner. Data stored on the Internet server can be used for tracking of changes and to provide the historical data to the compliance agencies.

## FLEX ALERT SYSTEM ARCHITECTURE

