



Alkhorayef
Irrigation Solutions

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www.aiscosolutions.com
www.western-irrigation.com



IRRIGATION APPLICATION SOLUTIONS

Project Analysis

Our specialists study the most appropriate agricultural solutions for irrigating and crop development, taking into account factors such as topography, soil type, climatology, and crop specific needs.

Genuine Parts

We provide a comprehensive inventory of spare parts for your products through our extensive certified distributor network.

iControlRemote

Do you want to monitor and control your irrigation performance remotely? Our iControlRemote allows you to do it!! Our team of experts will train you on all the advantages that this state-of-the-art technology offers.



Renozzling for Better Irrigation Performance

It is key to select the best sprinklers to suit your crop, field demands and weather conditions. We are continually looking for ways to create the ideal conditions for maximum application efficiency.

The sprinkler package selection is a combination of many factors including flow, pressure, water quality, slope & energy consumption, all of which should be considered during the design stage.

SENNINGER



KOMET



NELSON



“The sprinklers operate at low pressure, uniformly along the entire pivot, reducing operating costs through low operating pressure, efficient water application and minimizing losses caused by evaporation, wind drift and surface run-off”

Irrigation Management

Soil Moisture and Weather Station Control

The **Soil Moisture Sensors** supply data related to water consumption of the crop within the different soil layers as well as allowing the ET (Evapotranspiration) data to be calculated in order to determine the required water application rate and optimum time for irrigation.



The **Weather Stations**, powered by a solar panel, transmit weather data in real time over GSM/GPRS.

- SMS Alarms to alert in case of frost, heavy rain, extreme temperatures.
- Data is uploaded to an online platform in real-time.
- Available historical data and daily evapotranspiration values.

Solid Set Solution

Don't lose even an acre of usable ground! We calculate the best solid set solution for your pivots, corners or small field applicators using professional software designed to optimize your irrigation plan.



Pivot System Evaluation

- Determine the flow & application rate.
- Measure the pressure at the end and at the center of pivot.
- Calculate the distribution uniformity (DU) and uniformity coefficient (CU).
- Parts evaluation to be replaced if needed.

What the Irrigation Application Department can do for you?

- Help you to reduce water consumption.
- Minimize your operating costs.
- Improve your skills on running and maintaining your pivots with training and field day sessions.
- Consulting across multiple brands in the market.
- Evaluate your pivot status and recommend corrective measures when necessary.
- Our after-sales service ensures your irrigation performance effectively and efficiently.