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SMART IRRIGATION TECHNOLOGIES IN AGRICULTURE

Maximum Efficiency, Minimum Water Loss

Meet artificial intelligence-powered agricultural irrigation solutions.

Investing in the Future with Smart Irrigation

- Effective use of water resources ensures agricultural sustainability.
- It reduces farmers' workload and facilitates decision-making processes.
- Efficient irrigation solutions offer an economical way to ensure food safety.
- It accelerates the transformation of agriculture through technology and innovation.

Why Smart Irrigation Systems?

- Up to 45% water savings
- Up to 20% yield increase
- Decision-making supported by satellite, sensor and meteorological data

Access real-time optimization, energy management sensor data and full automation.

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Smart Irrigation System Components

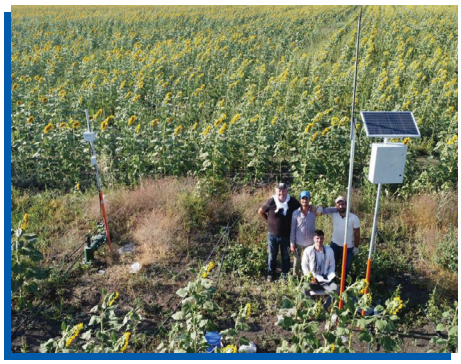
Soil Monitoring: Measures moisture, temperature, salinity and ground water level.

Pump & Filtration: Pressure and flow monitoring, automatic backwash.

Meteorology: Optimizes irrigation schedules with weather data.

Remote Sensing: Monitor plant health and water stress with satellite images.

IoT Platform: Collects data at a single point, provides instant monitoring and



Artificial Intelligence Assisted Management

Data-driven automation
not guesswork

Failure prevention
reducing water waste

Suggestions to
the operator

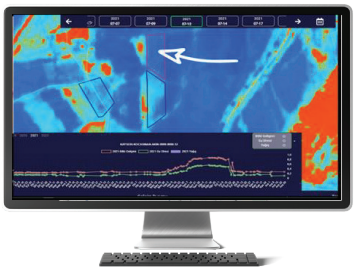
Benefits

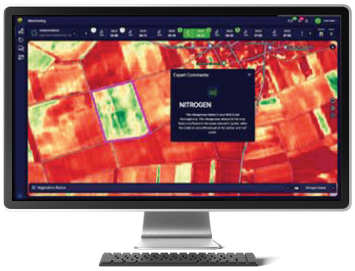
Ecological
Carbon/water footprint, access to green finance

Business
Remote control, early warning,
preventive maintenance



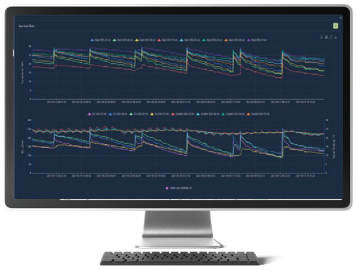
Plant health data


Water stress data



Nitrogen status data


Map monitoring


Soil monitoring station Moisture
EC (Salinity) and Soil temperature

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