



PLUG AND PLAY TECHNOLOGY

Easy installation and robust connections for fast and secure mounting.



SOLAR POWERED

Autonomous, cost effective and sustainable power supply through an integrated solar panel with battery. The only required maintenance is occasional cleaning of the solar panel.



RELIABLE AND FLEXIBLE CONNECTIVITY

The powerful cellular modem supports all common network standards for a stable and flexible connection. No cables, no antennas and no repeaters required.



COMPACT AND ROBUST

Certified protective housing against dust, moisture and vibration. Designed for outdoor use.



EDGE INTELLIGENCE

We monitor device performance in real time using AI algorithms to prevent critical failures and reduce maintenance. All key information is stored directly on the device.



COMPREHENSIVE CONTROL

Up to 8 inputs for water meters and switches, 8 outputs for 9-12 V DC valves and relays, as well as connection options for weather, water and soil sensors.



MAXIMUM SECURITY

Each Atlas is equipped with its own modem, SIM card and encrypted communication with the server.



NEW ATLAS X

RELEVANT SENSORS AND CONTROL MODULES



SOIL MOISTURE AND TEMPERATURE SENSOR (WHITE PROBE)

- 7044096 – 10 cm
- 7044097 – 10 cm – including measurement of salinity
- 7044098 – 30 cm
- 7044099 – 30 cm – including measurement of salinity
- 7044100 – 60 cm
- 7044101 – 60 cm – including measurement of salinity



AIR TEMPERATURE AND HUMIDITY SENSOR

- 7038839 – -40 ~ 125 °C
- 0% ~ 100% RH



PRESSURE SENSOR 1/2"

- 7038836 – up to 30 bar



LEVEL SENSOR / WATER LEVEL SENSOR

- 7038834 – up to 10 m depth
- 7038835 – up to 50 m depth

Additional sensors are available on request



UNIVERSAL SOLAR CONTROL MODULES ATLAS X SERIES

- 7044091 – Atlas X Lite – max. 2 x In- and Outputs (9V DC)
- 7044092 – Atlas X 2 – max. 2 x In- and Outputs (9V DC)
- 7044093 – Atlas X 4 – max. 4 x In- and Outputs (9V DC)
- 7044094 – Atlas X 8 – max. 8 x In- and Outputs (9V DC)

DEVICE: ATLAS
PUT ME IN THE SUN,
I'LL TAKE CARE OF THE REST



SPHERAG
SIMPLY
DIGITALISING WATER

TRANSFORMS ANY IRRIGATION SYSTEM INTO A DIGITAL, INTELLIGENT, AND SUSTAINABLE NETWORK.

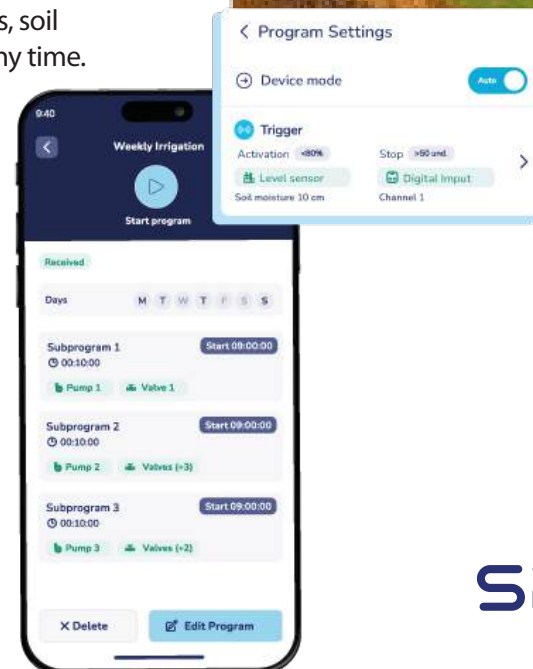
SMART IRRIGATION MADE EASY.
DESIGNED FOR DIRECT USE ON SITE, POWERED BY THE SUN,
CONNECTED TO THE CLOUD AND DRIVEN BY WATER.

INTEGRATE SOIL AND WEATHER SENSORS

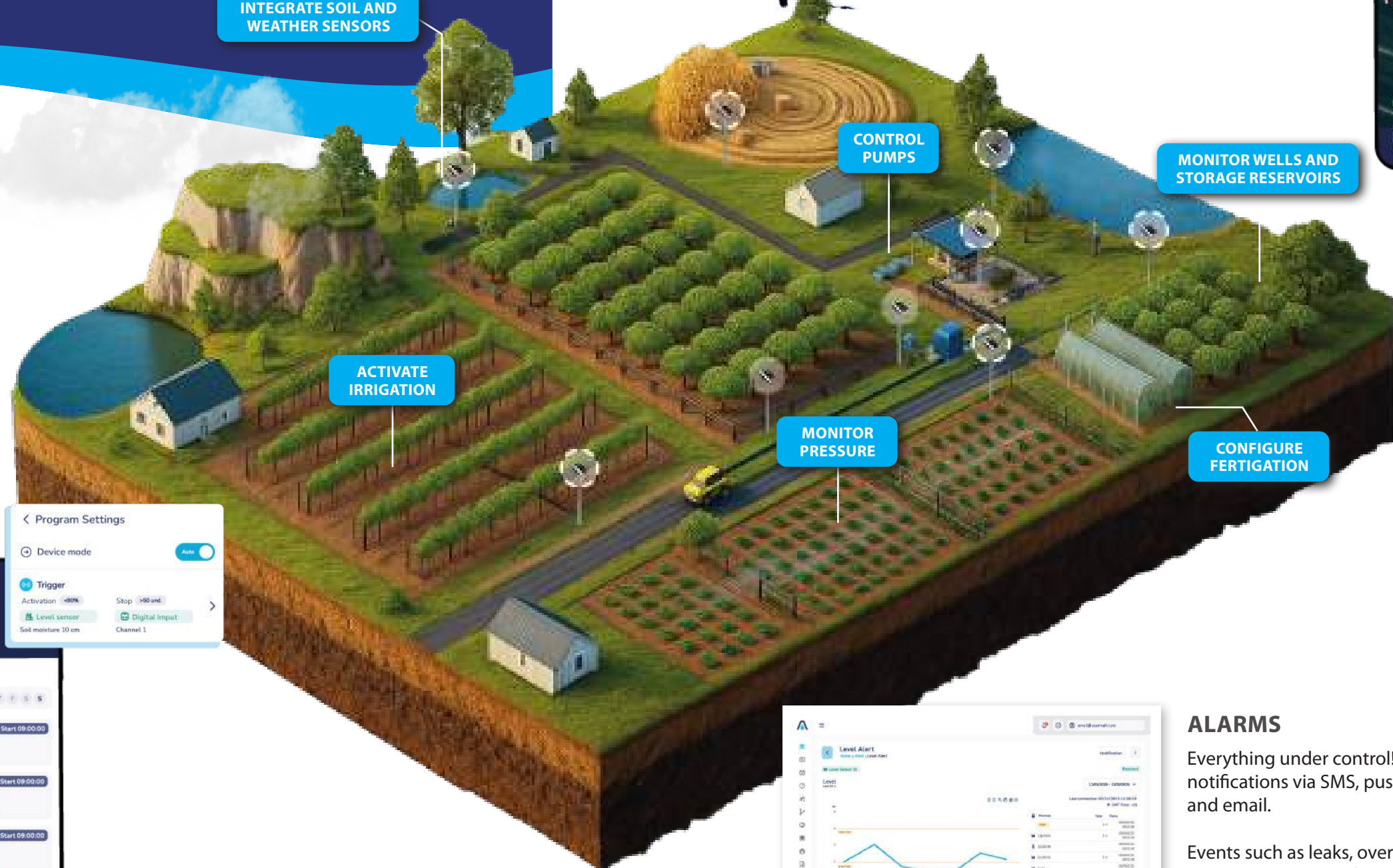
COMPREHENSIVE MONITORING

Automate and control your irrigation system anytime and from anywhere. Thanks to modern control technology, all irrigation components can be flexibly programmed based on schedules, water volume or sensor data. This ensures that your crops are reliably supplied with the right amount of water at the right time.

Access real time information from water meters, pressure sensors, switches, soil sensors and weather sensors at any time. Monitor the water levels in wells and tanks to make informed decisions whenever needed. Reports can be generated and downloaded at the push of a button, giving you a clear overview and the best possible basis for further optimisation.



SPHERAG



CONTROL PUMPS

MONITOR WELLS AND STORAGE RESERVOIRS

ACTIVATE IRRIGATION

MONITOR PRESSURE

CONFIGURE FERTIGATION



DEVICES + PLATFORM = DATA + SERVICES

REMOTE ACCESS

Control and program irrigation systems, pumps and valves from anywhere via the app. This eliminates unnecessary trips to the field.



ALARMS

Everything under control! Receive real time notifications via SMS, push notifications and email.

Events such as leaks, overpressure or underpressure, overflow and system malfunctions are detected immediately.

PLATFORM FOR IRRIGATION DISTRICTS

THE ULTIMATE TOOL FOR COMPREHENSIVE WATER MANAGEMENT IN IRRIGATION DISTRICTS AND LARGE SCALE OPERATIONS.

This integrated platform creates a unified and digital foundation for organising all members of the association.

- ✓ Modular and scalable installation
- ✓ Create and group hydrants, pipelines and control points for visualisation on an interactive map
- ✓ Role based access permissions
- ✓ Create and assign connections
- ✓ Efficiently plan and manage irrigation schedules
- ✓ Real time monitoring
- ✓ Comprehensive reporting

