

SMARTEYE

Smart farming for global sustainable development



Agricultural activity feeds 80% of the world's population, so it is very important to be aware of the fundamental role it plays in people's lives and to work to develop advances and improvements in this area

A landscape of a cornfield with several wind turbines under a dramatic, colorful sunset sky. The sky is filled with clouds in shades of orange, red, and purple. The wind turbines are silhouetted against the bright horizon. The cornfield in the foreground is a mix of green and brown, suggesting a late harvest season.

The technological revolution and the implementation of disruptive technologies such as IoT had to reach agriculture and we have made it possible thanks to SmartEye

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#Relevantfactors

- > Depopulation
- > Need to digitize the sector
 - > Increase the efficiency to ensure survival.
 - > Saving of natural resources. Efficient consumption

**Urgency for change in a new
paradigm >> Opportunity**

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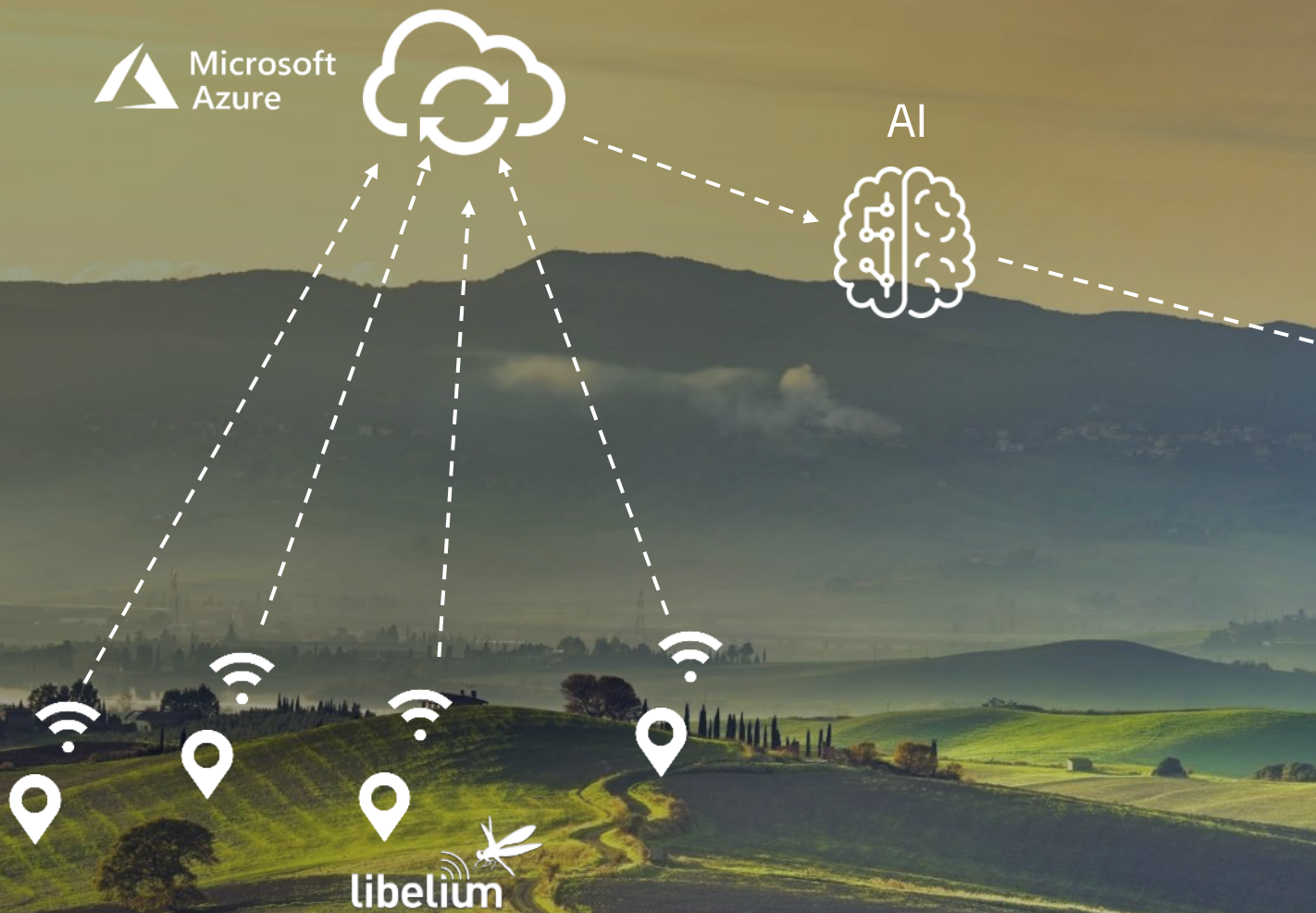
#The Challenge

This is not about technology, it is about people, their needs and how we can help them in their day to day work with elements that facilitate their work, helping them along the way.

This is a cultural change

This is a sustainable change

Technological Ecosystem



The farmer can receive a forecast through his mobile device of the different variables that affect his crops.

Available sensors



- Soil moisture (3 depths)
- Soil temperature
- Leaf wetness
- Solar radiation (shortwave, PAR and UV)
- Atmospheric pressure
- Stem, truck and fruit diameter
- Wind vane & speed (anemometer)
- Pluviometer
- Air temperature, humidity and pressure
- Luminosity (Luxes Accuracy) for Smart Lighting
- Ultrasound (distance measurement)
- Non-contact surface temperature measurement
- Leaf and flower bud temperature
- Soil oxygen level
- Volumetric water content and conductivity
- Soil water potential
- Vapor pressure, humidity, temperature, and atmospheric pressure in soil and air



THE USER'S JOURNEY

SmarteYE deployment, activation and usage

Sensor
selection

Account
activation

Crop
selection

Account
Verification

Dashboard
access

Customization



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Select Language ▾

Alfamen vineyards 1 ▾



🕒 Data Obtained on 06/07/2019 at 15:36:17

Control Panel

- Control Panel
- Wind
- Humidity
- humidity Sheet
- Rain
- Atmospheric pressure
- Soil moisture
- Soil temperature
- Temperature

ground state **enough**

Last 30 days Soil moisture **25 %**

last frost **6 JUL**

rainless days **8 days**

Rain amount last 30 days **20 l / m²**

Beaufort Wind Scale : 1 **Light air**

Decreasing mild temperature trend **18 °C**

Exceeded number scales **2 sensors**

Wind Direction Northeast **4 km / h**

Humidity **36 % RH**

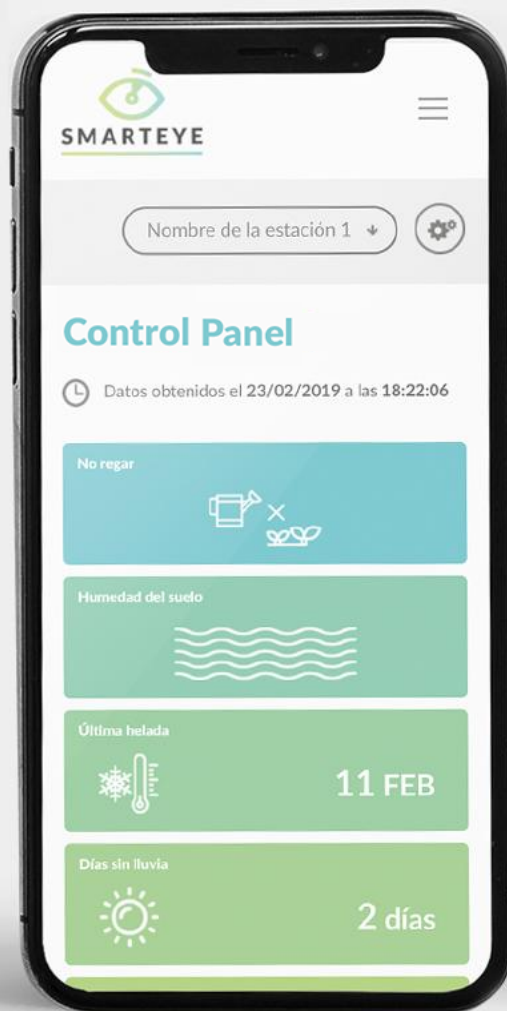
humidity Sheet **0 % RH**

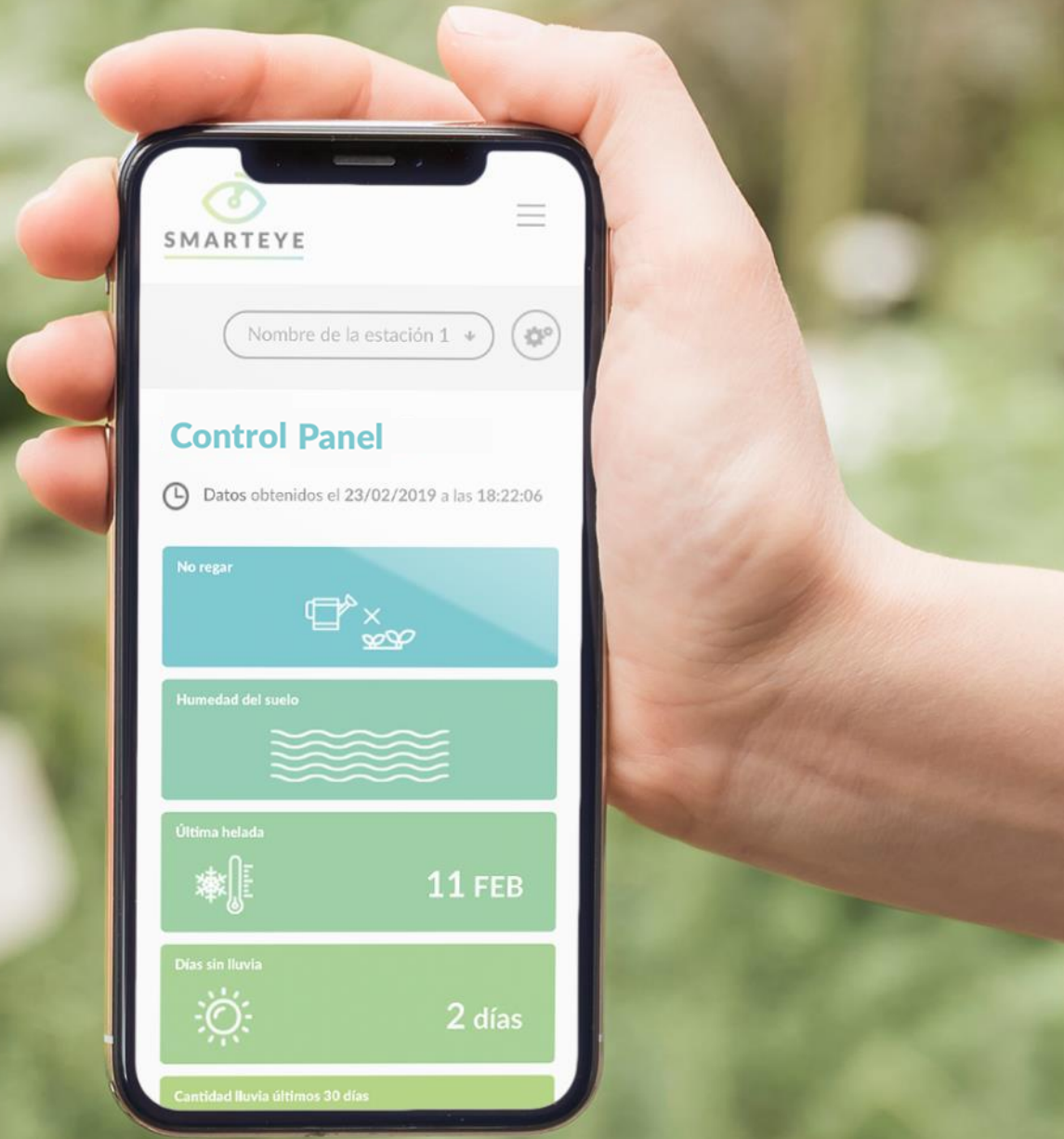
Rain **0 l / m²**

Atmospheric pressure

Soil moisture







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Nombre de la estación 1

Control Panel

Datos obtenidos el 23/02/2019 a las 18:22:06

No regar

Humedad del suelo

Última helada

11 FEB

Días sin lluvia

2 días

Cantidad lluvia últimos 30 días



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Nombre de la estación 1

Datos obtenidos el 23/02/2019 a las 18:22:06

Control Panel

No regar

Humedad del suelo

Última helada

11 FEB

Días sin lluvia

2 días

Cantidad lluvia últimos 30 días

65 l/m²

Viento - Dirección Norte

18 km/h

Humedad

-1 000 %RH

Humedad Hoja

0 %RH

Lluvia

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