

- VARIABLE APPLICATION OF FERTILIZER & IRRIGATION
- VARIABLE APPLICATION OF PESTICIDES & DESICCANTS
- LOCALIZED PLANT DISEASE RISK PREDICTION
- HISTORY OF FIELD MICRO-CLIMATE DATA
- HYDROLOGICAL MAPPING & SOIL MOISTURE
- LAND SURVEYING AND WATER DRAIN MAPPING



## Affordable wireless professional sensor solution

### MeteoHelix IoT Pro

Micro weather station meeting WMO accuracy requirements has never been so affordable.

- Unique measurement properties of the Double-Helix make this weather station highly **resistant to bugs** and measurement errors resulting from soiling and dirt buildup.
- Patented helical design ensures errors from radiative heat sources such as exposed soil and nearby plants do not effect your **data quality**.
- An **ideal solution for agricultural** applications. Unsurpassed **protection from dirt, rain, snow, sand and dust** minimizes sensor maintenance.
- Built in **solar charging** means that batteries will never run out.
- Wireless SigFox available now. Wireless LoRaWAN coming soon.

**MeteoHelix IoT Pro measures:**

- Air temperature
- Air humidity
- Frost point & dew point
- Solar radiation W/m<sup>2</sup>
- Air pressure
- Rainfall

**Measurements can be extended to include:**

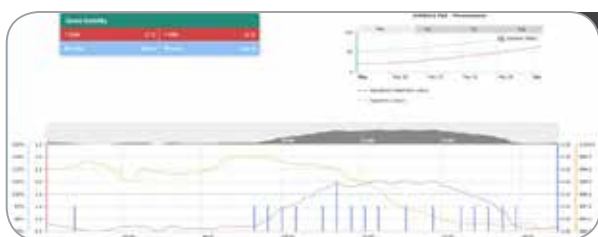
- Wind speed & direction
- Ground air temperature
- Soil temperature
- Soil moisture
- Soil water tension
- others ...

Basic MeteoHelix IoT Pro measures with the following accuracy to WMO standards:

Air temperature	±0.2 °C
Air humidity	±2 % RH
Dew point	calculated
Frost point	calculated
Air pressure	±2.5 hPa
Rainfall	±0.2 mm

### MeteoHelix IoT Home

Wireless weather station optimized for maximum user comfort. Featuring the helical MeteoShield looks and superb sensor protection for years of maintenance free use. Easy to setup and simple to use. Wireless SigFox available now.



## Professional meteorological sensor data, micro-climate history and disease prediction

### SURVIA s.r.o.

The most experienced company in the use of drone technologies in agriculture and land surveying in the heart of Central and Eastern Europe. Featuring a strong background in R&D for agricultural applications.

Reduce your farm operating costs through variable & targeted application of consumables:

- Reduce your fertilizer use
- Reduce pesticide use
- Optimize your water use
- Balance your yields

Maximize your yield by minimizing plant disease & weather risk:

- Disease risk prediction
- Plant growth monitoring
- Optimize desiccant use
- Weather insurance data



Drone surveying provides the following benefits and extra services to help you optimize crop planning and balance yield:

- Irrigation mapping
- Drainage mapping
- Land use mapping
- Variable yield mapping

For more detailed information about SURVIA s.r.o. services contact:

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# BARANIDESIGN

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The SURVIA logo features the word "SURVIA" in a bold, black, sans-serif font. The letter "V" is replaced by a green location pin icon with a white outline, set against a green circular background that resembles a stylized sun or a location marker.

**Visually unique and of high quality,  
earning high marks in sensor  
comparison studies.**

Reach your gold standard of measurement with BARANI sensors, ISO 9001 quality

## BARANIDESIGN

is specialized in precise and reliable atmospheric measurement. Research & development focuses on achieving long-term stability of temperature, humidity and wind measurement. Sensors are designed for ease of use, interchangeability and for on-site service. They are used in agriculture, meteorology, climatology, aviation and road weather Information systems, marine applications, hydrology, solar weather monitoring and industrial systems.

## DIFFERENTIATE YOURSELF FROM THE COMPETITION