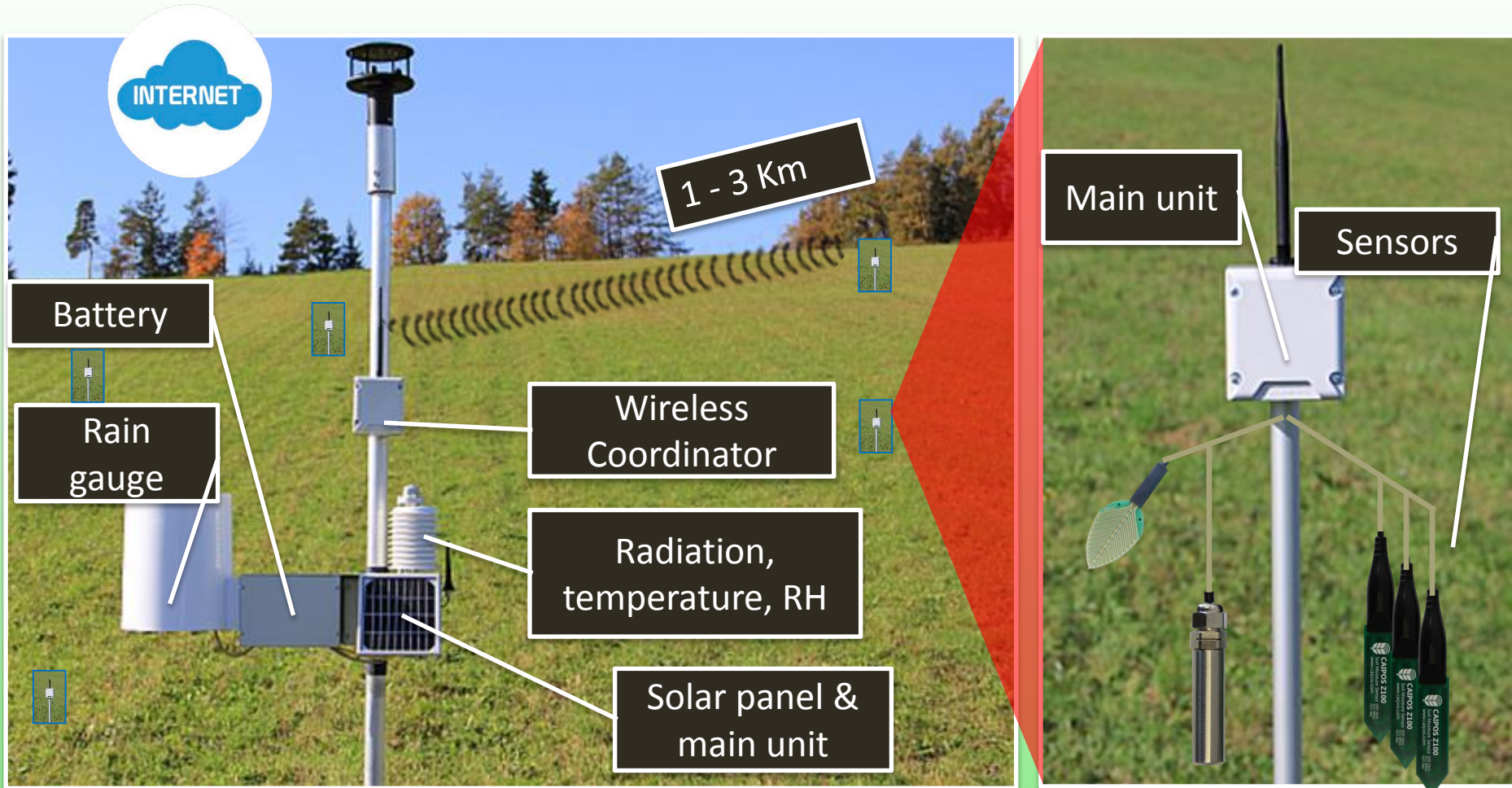




Caipos Sensors





Soil Sensors



Applications

- Irrigation control
- Disease models
- Green house

Soil Moisture	
Model	Z100
Measurement range	0% VWC to saturation
Accuracy	2-5% VWC
Connect	CaipoBase CaipoRain CaipoWave

Advantages

- Easy installation
- Calibration
- Very robust
- Low cost



Soil Sensors



Soil Moisture	
Model	EC5
Measurement range	0 .. 100%
Accuracy	3%
Connect	CaipoBase CaipoRain CaipoWave

Soil Moisture	
Model	10HS
Measurement range	0 .. 57%
Accuracy	3%
Connect	CaipoBase CaipoRain CaipoWave



Soil Sensors



Soil Temperature

Soil Temperature	
Model	ST
Measurement range	-30 °C ... 70 °C
Accuracy	±1°C %
Connect	CaipoBase CaipoRain CaipoWave

Applications

- Soil temperature
- Air temperature
- Water temperature

Advantages

- Low cost
- Low power
- IP67 protection class



Soil Sensors



Watermark (Water Tension)	
Model	CaipoSWT
Range	0..200KPa
Accuracy	3%
Connect	CaipoBase CaipoRain CaipoWave

Applications

- Irrigation control
- Plant stress

Allowable water tension (kPa)	
Cabbage	60–70
Carrot	55–65
Onion	45–65
Potato	30–50
Tomato	60–150

Advantages

- Low cost
- Easy installation
- No maintenance



Weather Sensors



Air Temperature & Relative Humidity	
Model	CaipoRHT
Measurement rangeRel. Hum	Rel. Hum: 0.100% Temp: -50..+60°C
Accuracy	Rel.Hum.: ±2,5% Temp: <±0.4°C
Connect	CaipoBase CaipoRain CaipoWave

Applications

- Outside monitoring
- Frost warning
- Green house
- Disease models

Advantages

- High accuracy
- Low cost
- Low power
- No maintenance



Weather Sensors



Applications

- Disease models
- Pest models

Leaf Wetness	
Model	CaipoLWS
Measurement range	0..20 0 – dry; 20 –wet
Supply	2.6 - 10 V 150uA
Connect	CaipoBase CaipoRain CaipoWave

Advantages

- High resolution
- Robustness
- Low power
- No maintenance



Weather Sensors



Applications

- Disease models
- Evapotranspiration

Leaf Wetness	
Model	LightScout
Measurement range	0..1500W/m ²
Connect	CaipoBase CaipoRain CaipoWave

Advantages

- High accuracy
- Low power
- No maintenance



Weather Sensors



Applications

- Disease models
- Evapotranspiration
- Weather forecast

Ultrasonic Wind Speed & Wind Direction

Model	WindSonic
Measurement range	Speed: 0..60m/s Direction: 0..359°
Accuracy	Speed: $\pm 2\%$ Direction: $\pm 3\%$
Connect	CaipoBase

Advantages

- High accuracy
- Low power
- No maintenance



Weather Sensors



Applications

- Irrigation control
- Weather forecast
- Flood warning

Rain Gauge	
Model	Caipos Rain Gauge
Resolution	0.5mm or 0.2mm
Accuracy	±1%
Connect	CaipoBase CaipoRain

Advantages

- High accuracy
- WMO standard
- Little maintenance



Weather Sensors



Applications

- Water level
- Liquid level
- Distance meter

Ultrasonic Water Level Meter

Model	K20
Measurement range	0.06m .. 10m
Accuracy	2mm
Connect	CaipoBase

Advantages

- High accuracy
- Non-contact
- No maintenance