Agricultural companies from all over the world, top winegrowers, potato producers as well as numerous institutions such as universities, research institutes and official submissions rely on our systems.

We offer the best equipment to support you sustainably and reliably in your work. With more than 100,000 systems sold worldwide, we are the leading provider of reliable environmental measurement at the highest level of quality.

ADCON focuses on telemetry solutions based on its ultra-low-power UHF technology and latest mobile data technologies (3G /4G) for climate monitoring, precision agriculture and hydrometrics.
For more than 25 years
ADCON designs and builds smart wireless turn-key solutions
for a wide range of environmental monitoring applications

REMOTE TRANSMISSION UNITS
Measurement, storage and transmission of data
Solar powered

WIRELESS NETWORK
Reliable data transfer via UHF radio or GPRS/UMTS
UHF relaying capability to extend transmission distance
Low maintenance
Easy to install

DATA CENTER
One Base Station controls up to 500 RTUs
Accessible by Internet, LAN, Modem, UMTS
Remote Diagnostics

OFFICE/DATA USER
State-of-the-art web-based software addVANTAGE Pro
Near real-time availability of important data
Web-based data hosting - access 24/7

PROFESSIONAL CLIMATE MONITORING
Professional weather data for climate monitoring
Right decisions - Traceable records - Data for countermeasures - Decision support - Data for climate models - Weather forecast - What? - When? - Why?

INTEGRATED PEST MANAGEMENT & DISEASE CONTROL
Pest and disease control - Integrated pest management - Disease forecasting - Anti-resistance strategy - Frost warning - Live data - High resolution monitoring
Reduced pesticide and fertiliser use - Provide traceable records according to international IPM principles - Increase crop quality and yield.

IRRIGATION MANAGEMENT
Optimized water management - Soil moisture monitoring - Valve control - Evapotranspiration (Eto/Etc)
Save water, reduce waste water, reduce risk of salinization, increase crop quality and yield.

WATER RESOURCE MANAGEMENT
Resource management - Leak detection - Water level and discharge monitoring - Leak detection - Optimized water management
Save water, reduce waste water, reduce risk of salinization.
ADCON focuses on telemetry solutions, based on its own ultra-low-power UHF radio technology and GPRS / UMTS modems – both being integrated into our range of loggers.

**DATALOGGER PERFORMANCE**
- Very robust (aluminium and steel) – withstanding agro-chemicals
- IP65 & IP67
- Extremely compact
- Extremely low power consumption
- High resolution (16-bit)
- Lots of memory (> 2.000.000 values, allowing 2 years of data retention for e.g. standard ETo weather station and 15 minute data interval)
- Lots of inputs (60, can be extended to 110)
- WMO compliant measurement methods

**COMMUNICATION OPTIONS**
- Only UHF / radio networks, short-range and long-range. With relays networks can built as far as 100km from central station
- Only mobile data service networks (2G/3G/4G)
- A mix of the above, including a mobile data services to UHF / radio bridge for remote UHF / radio networks

**SYSTEM APPROACH**
- Network orientated – all the smarts are in the base station, not the field station
- Unique wiring scheme – no need for complicated wiring
- Fully remotely controlled
- Fully web-based

**QUALITY**
- ADCON systems are designed for a long life - not 2 years or 3 years. Our goal is to build products that last for at least 5 years and even longer - allowing unparalleled low total cost of ownership.
- High temperature range (from African desert to North American cold wave conditions)
- Type approvals done at TÜV Austria, tested to highest standards to comply with RED, FCC
- ISO 9001 certified, no goods leaving our factory without a traceable factory acceptance test (FAT)

In the steadily growing market of wireless telemetry solutions we have already achieved an excellent position with our turn-key solutions for environmental monitoring, agriculture, hydrometrics, drinking and waste water companies. They all need data, 24/7, and they need it fast, reliably and affordably.
ADCON is part of a group of leading companies in the field of environmental monitoring.

Combination of best in class sensor technology and smart wireless telemetry for reliable data to make right decisions.

Proudly formed from seven separate companies (OTT, SUTRON, HYDROLAB, ADCON, Lufft, Kipp & Zonen and MeteoStar), OTT HydroMet offers the combined strength and expertise of leaders in the water quality, quantity and telemetry fields and over 500 years of experience in environmental measurement.

The OTT HydroMet group helps water resource and weather professionals generate reliable data throughout the entire water cycle. We go beyond simply providing solutions by partnering with our customers in designing effective answers to the challenges they encounter in their vital role of monitoring the world’s weather and water.
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