

SMART WIRELESS SOLUTIONS

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 enviromental monitoring applications



REMOTE TRANSMISSION UNITS

Measurement, storage and
transmission of data
Solar powered



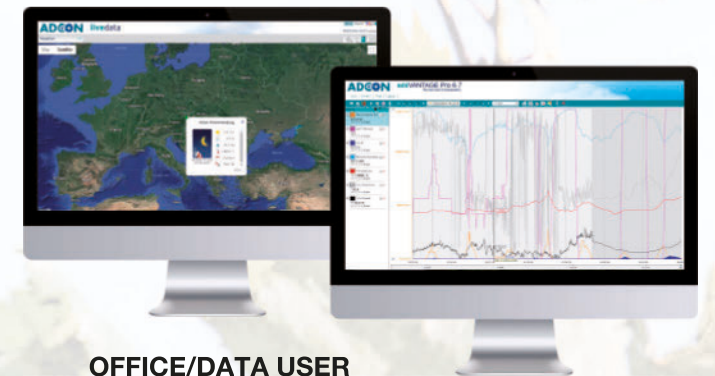
WIRELESS NETWORK

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
webbased 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 - Tracable records - Data for counter-
measures - 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 fertilizer 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.

The flexible ADCON concept supports the construction of small, mid or large scale networks to cover even entire provinces and countries, with networks consisting of well in excess of 1.000 stations. Stations within the same network can come in all kinds of configurations, from simple rain gauge stations to radar-level stations for flood warning to synoptical, professional weather stations for met offices.



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 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 be 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)

FLOOD WARNING



Rain monitoring - Water level and discharge monitoring - Continuous data collection with automated email warning

Allowing quick diagnosis and interpretation for accurate countermeasures to protect the environment and population.

MINING

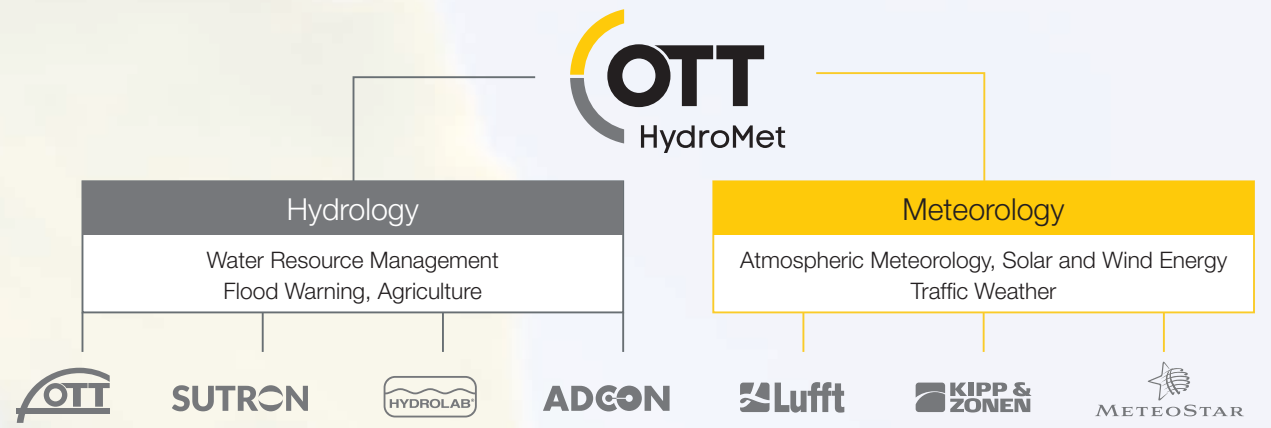


Borehole water levels / pore pressures monitoring - Water balance / flow tracking - Pipe leakage detection - Pond water level and quality monitoring - Continuous data collection with automated email warning

Allowing quick diagnosis and interpretation for accurate countermeasures to protect the environment.

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

ADCON is part of a group of leading companies in the field of environmental monitoring



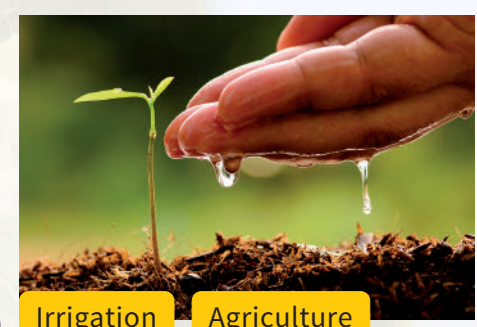
Proudly formed from seven separate companies (OTT, SUTRON, HYDROLAB, ADCON, Lufft, Kipp & Zonen and MeteoStar), OTT HydroMet offers the combined strength and expertise of leaders in the water quality, quantity and telemetry fields and over 500 years of experience in environmental measurement.



Hydro Power



Flood warning



Irrigation Agriculture



Ground water



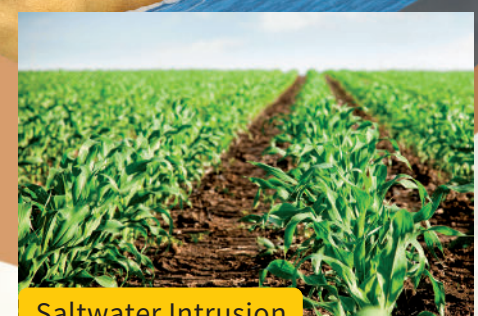
Meteorology



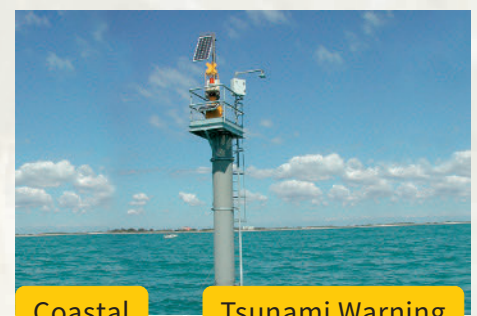
Water Resource Management



Water Quality



Saltwater Intrusion



Coastal Tsunami Warning

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.

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.



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ADCON is a brand of OTT HydroMet

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