METERING SYSTEM WITH AUTOMATIC TRANSMISSION OF METEOROLOGIC PARAMETRS

KPODR MINIKOWO – PROJECT ANALYSIS

METEOROLOGICAL MEASUREMENT SYSTEM WITH AN AUTOMATIC TRANSFER OF METEOROLOGICAL PARAMETERS

19 field meteorological stations

Monitoring system of meteorological parameters is used for a collecting meteo data and visualizing such parameters as:

- Air temperature and air humidity,
- Precipitation,
- Wind velocity,
- Leaf wetness
- Precipitation

It is an autonomic system, working regardless of current weather conditions. Data from this monitoring system are transferred to the database system through the GSM/GPRS network.



Customer:
Kujawsko-Pomorski Agricultural Consulting Center in Minikowo

Location:
Kujawsko-pomorskie voivodeiship

Design:
Meteorological measurement system with an automatic transfer of meteorological parameters

Equipment:
19 data loggers e-MeteoLOG

19 precipitation sensors RG1

19 wind velocity sensors 40H

19 electronic thermohygrometers THP100

19 rain gauges RG1

3 Wet Leaf sensors

WORKS

- Construction of meteorological monitoring system in chosen farms.
- Providing client with a database www application for logging, archiving and presentation of data
- Possibility of easy system extension of a next sensors or stations

SUMMARY

- Construction of an autonomic meteorological stations
- Data transmission every hour
- Creation of a special online platform and recalculating data for decision support systems



Technika IT S.A.
ul. Toszecka 2
44-102 Gliwice,
Polska

Phone: 0048 32 338 38 70
Fax: 0048 32 338 38 71
sales@technikait.com.pl

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Design and execution:
weblider.eu