LOCAL MONITORING SYSTEM SUPPORTING A FLOOD THREAT RESPONSE

DHI - PROJECT ANALYSIS

MEASUREMENT SYSTEM WITH AN AUTOMATIC DATA TRANSFER

Comprehensive protection against flood threat of Zulawy – Stage 1 – City of Elblag.

Monitoring system consists of 10 monitoring stations located on the warminsko-mazurskie province. Each of these stations has its own complete infrastructure and equipment for measurement data monitoring and transfer. The main task of telemetric stations is transferring data concerning hydro – and meteorological conditions to the operator software.

Customer:
DHI Poland

Location:
Warminsko-mazurskie Voivodeship, City and County of Elblag

Design:
Local monitoring system supporting a flood threat response.

Equipment:
10 digital data loggers

9 radar water level sensors

9 hydrostatic water level sensors

2 weight rain-gauges

2 ultrasonic wind- gauges

2 ultrasonic flowmeters

WORKS

- Construction of automatic telemetric measurements stations
- Assembly, implementation, startup and calibration of the system
- Data transmission to the Crisis Management Center

SUMMARY

- Construction of hydro – and meteorological measurements network
- Each station works autonomically
- Providing data to the flood threat forecast module

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