

# 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.



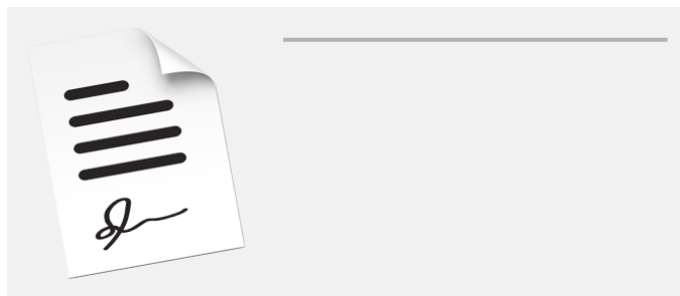
Equipment:  
10 digital data loggers  
  
9 radar water level sensors  
  
9 hydrostatic water level sensors  
  
2 weight rain-gauges  
  
2 ultrasonic wind- gauges  
  
2 ultrasonic flowmeters

## 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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