

MONITORING SYSTEM OF PRECIPITATION AND WATER LEVEL IN THE CITY OF GDANSK.

GDANSK UNIVERSITY OF TECHNOLOGY/GDANSKIE WODY SP. Z O.O. [LTD.] - PROJECT ANALYSIS

MONITORING SYSTEM OF PRECIPITATION AND WATER LEVEL IN THE CITY OF GDANSK.

Measuring system including an automatic transmission of hydro - and meteorological parameters

The project consisted of delivery, assembly, installation and start-up of a measuring system of precipitation and water level in the city of Gdansk.

The task included an assembly and start-up of remote monitoring system in 11 locations (gauging / rain stations) in the Strzyza Stream catchment area in Gdansk, transferring logged data to the IT system of „Gdanskie Melioracje Sp. z o.o.” - currently GDANSKIE WODY SP. Z O. O. [LTD.].

The project was carried by Faculty of Civic and Environmental Engineering of Gdansk University of Technology with cooperation of „Gdanskie Melioracje” Sp. z o.o.



Customer:
Gdansk University of Technology



Location:
Gdansk, Poland



Design:
Rain and thaw waters retention control and flood threat forecast in urbanized catchment.



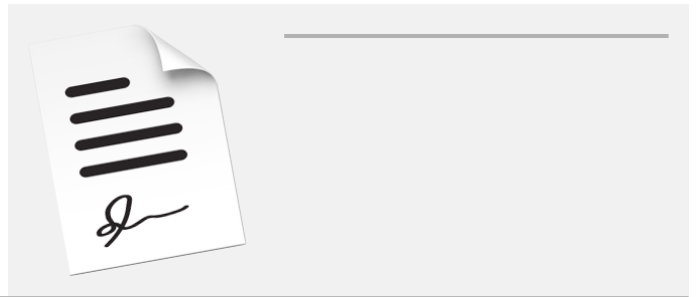
Equipment:
7 hydrostatic stations for water level measurements - e-HydroLOG Stat
3 ultrasonic stations for water level measurements - e-HydroLOG Ultra
1 precipitation measurement station - e-HydroLOG Opad

WORKS

- The assembly and the start-up of measuring stations
- Connecting power from grid junction cabinets on-site
- Ensuring the compatibility with the precipitation and water level monitoring system, used by „Gdanskie Melioracje”.
- Measurements are made every 1 minute and data is sent to the Gdanskie Melioracje’s server every 10 minutes.

SUMMARY

- Creation a system of 11 measurement stations
- Monitoring of such parameters as : precipitation, water level, voltage on a battery, level of GSM signal, opening of an electrical cabinet
- Automatic alarms 24/h SMS
- Continuous work of station through at least 90 days.



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Products

[e-HydroLOG Kompakt](#)

Software

[Hydrowskaz](#)

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Design and execution:
