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# Water Wells Monitoring Using SCADA System for Water Supply Network, Case Study: Water Treatment Plant Urseni, Timis County, Romania

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## Abstract

The water supply system in Timisoara Municipality is insured with about 25-30 % of the water demand from wells. The underground water headed to the water treatment plant in order to ensure equal distribution and pressure to consumers. The treatment plants used are Urseni and Ronaț, near Timisoara, in Timis County. In Timisoara groundwater represents an alternative source for water supply and complementary to the surface water source. The present paper presents a case study with proposal and solutions for rehabilitation /equipment /modernization/ automation of water drilling in order to ensure that the entire system can be monitored and controlled remotely through SCADA (Supervisory control and data acquisition) system. The data collected from the field are designed for online efficiency monitoring regarding the energy consumption and water flow intake, performance indicators

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## Measuring Air Quality in a Construction Site Biotope Using the AQM-65 Analyser

Creţan Ioana-Alina<sup>1</sup> and Nemeş Nicoleta<sup>1</sup>

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## Abstract

Activities related to the execution of construction works often exert pressure on the quality of environmental factors in adjacent habitat. In various stages of realization of the works if is the opening of the building site and access roads, borrow pits and the storage, or the construction itself, all the related activities will cause harm in various degrees of vegetation on the construction site and its surroundings. Large areas are rendered non-productive and, although they should be restored for use in the same place or elsewhere, sometimes they can lose their natural habitat baseline. The paper is presenting a case study of air quality monitoring using the AQM 65 analyser for a construction site located near Timisoara locality, Timis County, Romania.

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