

Automation of Wastewater Treatment Plant

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Abstract

In this project, the problem was the realization of a SCADA (Supervisory Control and Data Acquisition) system and automation system that will reduce the costs of maintenance, will increase energy efficiency and will help to improve the quality of wastewater that drains into the river and which comes directly from the sewerage system of Tbilisi and Gardabani cities. The automated station will work non-stop, with high efficiency in water quality and cleaning. The warranty of this station is 25 years without mechanical defects, from which comes the decrease on the maintenance expenses towards a non-automated station.