

SUMMARY

The diploma project contains 2 chapters. First one is executed on 115 pages and contains 22 figures and 10 tables. Second one has 78 pages.

The purpose of the work is to describe the algorithm of the project for the automation of the pumping unit.

The paper describes the sequence of building a project for automation of the pumping unit using an example of drainage pumping station and water supply pumping station. The purpose of the work is to describe every single step of creating a project starting from receiving technical assignment. Provided rules for development of structure of connections between elements in station, calculating electrical loads and selection of equipment.

The last part examines the algorithm for creating a basic set of working drawings for systems of automatic control of drainage pumping station and water supply pumping station.

The calculation and implementation of this course project was provided using the following programs: MATLAB R2014, Microsoft Office Word 2016, Autocad 2016.

AUTOMATION, PUMPING STATION, ELECTRICAL SUPPLY SYSTEM, GROUNDING, ELECTRICAL EQUIPMENT SELECTION, DESIGNER DRAWINGS, PROGRAMED LOGICAL CONTROLLER.

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	<i>Letter</i>	<i>Nº of doc.</i>	<i>Sign</i>	<i>Date</i>				
<i>Devel.</i>	D. Rodkin				<i>Designing of electromechanical systems for automation of pump systems of different technological applications</i> Summary	<i>L.</i>	<i>Page.</i>	<i>Pages</i>
Checked	S. Peresada					7	115	
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<i>N. Contr.</i>								
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