

Design of an automatic irrigation system for a crop farm

Dang Van Ngoc

Abstract: This topic focuses on designing and implementing an automatic irrigation system for crop farms, aiming to meet the need for water conservation and optimize farming efficiency. The goal is to build a modern technological solution that combines theoretical research with experimentation to improve water management in agriculture. The research methodology includes analyzing farm requirements, designing an automatic irrigation system model, and conducting trials in cultivation areas. The expected results will bring positive effects to the agricultural industry, contributing to enhanced crop productivity while protecting water resources.

Keywords: Automatic irrigation system, Crop farm, Agricultural technology, Water saving, Farming optimization