

Control of the POLYMER mixing system using PLC at the Núi Pháo mineral processing plant.

Đinh Văn Chung

Abstract: In the context of mineral processing industry development, optimizing the polymer mixing process at the Nui Phao Mineral Processing Plant is essential to enhance productivity and product quality. The study focuses on researching and implementing a PLC-based control system for the polymer mixing process, aiming to develop an effective automation solution. Through a combined theoretical and experimental approach, the study proposes optimized formulas for operation and product quality control. The expected outcome of this research is the successful application of the PLC control system to the polymer mixing process, significantly contributing to improving the plant's competitiveness.

Keywords: PLC, automation, polymer mixing process