ENERGY OPTIMIZATION STUDY IN AN ETHANOL PRODUCTION UNIT USING PINCH TECHNOLOGY

Yan Costa das Neves¹ and Savio de Siqueira Magalhães¹

¹Affiliation not available

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Abstract

This work presents an energy optimization study in a distillation and dehydration unit of a conventional ethanol producing biorefinery, based on the Pinch method. This proposal resulted in savings of 69.2% in operational costs with utilities, just with energy integration, turning the process significantly cheaper.

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