

Enhance the Performance of Panel Operators Using a Visualization Tool in an LPG Plant

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Abstract : Effective operation of a Liquefied Petroleum Gas (LPG) plant relies heavily on the competence and efficiency of panel operators during their shifts. However, traditional methods of operation often lack real-time visibility and comprehensive data analysis, leading to inefficiencies and potential safety hazards. This paper proposes the integration of visualization tools into LPG plant operations to enhance the performance of panel operators. By providing intuitive and interactive interfaces, these tools enable operators to monitor plant processes, analyze data trends, and make informed decisions promptly.[3]. Through a combination of case studies and practical insights, this article explores the benefits and challenges of implementing visualization tools in LPG plants. Moreover, it discusses strategies for optimizing operator training and workflow integration to maximize the effectiveness of these tools in improving operational performance, safety, and overall plant productivity.

Keywords : LPG plants, visualization tools, operator performance, process optimization

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