Title
Administración de la Gestión de la Concentradora en forma Dinámica

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Abstract

Presentación
Descripción de la solución Transformación de datos en información dinámica para la mejora en la toma de decisiones. PI AF/Notifications/ Data Mining Tools

Contexto por qué es importante Los datos temporales tienen gran cantidad de información que debe ser clasificada y extraída por contexto de negocios.

Necesidad de negocios que resuelve Reduce el tiempo de análisis de la información para la reducción de costos operacionales y optimización de recursos y activos

Desarrollo actividades, herramientas, metodología, resultados Modelamiento del proceso de gestión con las variables claves, metas, limites, restricciones

Conclusiones interpretación de los resultados Las herramientas de portal tales como PowerView, PowerPivot, PI Webparts facilitan la colaboración entre los centros de excelencia y las operaciones en terreno.

Perspectivas futuras qué oportunidades presenta A futuro o ya en este momento se están extendiendo estas funcionalidades en DEVICES tales como Smart Phones, Ipads, Tablets, etc. PI Coresight, Pi Webparts, Silverlight, IPAD, Iphone, ANdroid, etc.

Specific Energy and Water Reductions in Mine to Mill Operations

One of the most vigorous of the continuous improvement methodologies is Six Sigma. While usually associated with improving manufacturing and product quality, leading manufacturers are using it to improve their extended supply chain and logistics capabilities. At the same time they are improving reliability, some companies have cut hundreds of millions of dollars of fat out of their supply chain.

Mine to Mill optimization is a transformation of culture from processing tons to processing a quality feed size distribution which reduces the overall operational costs and add the highest value to the mine. This is not a constant endeavor. As such, a dynamic performance monitoring and diagnosis is necessary. We will review a systemic way to performance improvements and avoiding metal losses from the blast to the metals.

We show the requirements of using raw data to analysis the data to define operational maps which provide assistance to run the mine and mill. A case study is provided with the mine and mill data was integrated combining process control and quality information resulting in reduction of water and energy consumption while improving the overall value of the mine.

Keywords: Mine to Mill Integrated Operations, Energy and Water Reductions, Dynamic Performance Management in Metallurgical Complexes, OLAP and Data Mining, Equipment Availability, Overall Process Effectiveness.