Beyond Excel: Power BI and your Databases

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Abstract

In a world of automated reliable data collection the question is no longer how information is collected but rather how is it queried and presented. An integrated data management system that cost effectively identifies and even predicts inefficiencies, road blocks and value destroying events, in real time, is the holy grail of 'big data'. The mining industry has heavily invested in data collection, because the fundamental value proposition of extracting a finite resource as effectively and efficiently as possible directly benefits from the capacity to respond early or to prevent process hold ups and breakdowns.

In practice, data management systems are either prohibitively expensive or complex to extend across the entire value chain or siloed within departments or functions due to specialised software requirements. Panoramic has used a combination of common mining software, Power BI (Microsoft Office Suite product) and business process management tools to create a modular data management system that asks the daily, weekly and monthly queries of production data that help to manage, identify and prevent value chain inefficiencies. This approach has reduced implementation complexities, due to the utilisation of extorting systems and implementation costs.