Process Optimization

To optimize processes, operators must look for ways to boost operational decisions and turn data into tangible outcomes.

CHALLENGES

- **Unplanned Shutdowns**: Increase asset availability and reduce the number of unplanned events.
- **Capital efficiency**: Get more revenues out of your existing assets.
- **Break down business silos**: Remove point solutions and connect assets, operations, equipment and people.

PARADIGM SHIFT REQUIRED

- **95%** of the data collected from oil and gas operations is not used for decision-making.
- **24%** or fewer operators describe their maintenance approach as a predictive one based on data and analytics.
- **36%** less unplanned downtime is experienced by operators using a predictive, data-based approach versus a reactive approach.

Solution

Continuous process management is a cloud-based solution that integrates BHGE’s AI Factory® analytics platform with KBC’s process simulation software, Petro-SIM®, and BHGE’s Asset Performance Management suite.

This enables the continuous interrogation of plant data against the process model using advanced analytics, providing predictive insights that facilitate operational decisions in near real time.

Business Outcomes

- **Increased reliability**: Reduce unplanned shutdowns through early prediction of equipment failure and process upsets.
- **Improved operating efficiency**: Boost workforce productivity with a cloud-based, management tool that connects data across multiple production facilities on a single software platform.
- **Enhanced production**: Build a Digital Twin of your plant that accurately models processes and equipment to enhance production potential and reduce non-productive time.
- **Reduced operating costs**: Optimize your plant by combining process insights with analytics, knowledge, and experience to provide better outcomes.

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