

# 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<sup>®</sup> analytics platform with KBC's process simulation software, Petro-SIM,<sup>®</sup> 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.