

- BHGE and KBC sign strategic partnership bringing together industry-leading Asset Performance Management and Process Simulation digital capabilities across the value chain
- Combining KBC's Petro-SIM process simulation capabilities and deep domain expertise with BHGE's analytics, digital twins, fullstream software and the GE Predix platform, with united cloud-based solutions to increase process safety, efficiency and production

Baker Hughes, a GE company (NYSE: BHGE) and KBC a wholly-owned subsidiary of Yokogawa Electric Corporation (TOKYO: 6841), announced today a preferred partnership that will provide a combination of process simulation, asset performance management and operational software solutions to the oil and gas industry.

Leveraging GE's Predix, the platform for the industrial internet, to deliver one unified view, this partnership extends KBC's Petro-SIM process simulation modeling further into the fullstream oil and gas value chain, and provides connectivity between operations, assets, people and business processes for end-to-end optimization.

Integrating KBC technology with BHGE's suite of digital solutions will allow customers to reduce bottlenecks in facilities, processes and equipment to achieve optimal production and lower risk. By integrating data analytics connected by seamless workflows between facilities and operations, the time spent to analyze operations will be significantly reduced and the insight gained will increase production, reduce energy usage and improve product quality consistency.

"This partnership showcases our commitment to break down data "silos", and is an ideal example of the convergence of process and operational thinking," said Matthias Heilmann, Chief Digital Officer of BHGE. "For the first time, oil and gas customers can build a digital twin of a plant, refinery or rig, that incorporates end-to-end process and operational analytics and machine learning. With Petro-SIM providing simulation technology to our fullstream portfolio, this best-in-class solution will bring us into a new era of operational improvement."

KBC's Petro-SIM simulation technology already connects to cloud-based Industrial Internet of Things (IIoT) data-as-a-service solutions to remotely monitor and help improve customers' process operations. With full integration to commercial data historian and database systems, the KBC technology offers a central repository for process topology, and stream and equipment data, with access to live and historical plant operating data for performance monitoring. Asset Performance Management (APM) from GE enables intelligent asset strategies to help optimize performance to make operations safer by helping to predict and prevent failures. It can answer critical questions on the history and current operation of an asset, as well as provide an answer to what actions should be taken to improve performance, mitigate risk and ensure overall operational safety and efficiency.

The integration of KBC process simulation and models with BHGE analytics, digital twins, fullstream software and Predix provides real-time congruence between the digital and physical worlds. A plant digital twin, enabled by this partnership, would provide a complete view of all equipment, operations and processes, comparing actual performance to expected outcomes, and enabling predictive actions. This plant twin will also enable efficient workforce management, allowing personnel to focus on critical plant operations.

"This game-changing combination of KBC and BHGE will result in solutions for customers to quickly analyze problems and opportunities, and create insights that can then be turned into actions that will assure operational excellence, and sustainability, based on the Yokogawa approach of engaging in co-innovation with customers." said Andy Howell, CEO of KBC. "Together we will deliver molecularly-enabled digital twins of assets across the fullstream from wellbore through pipeline networks, topsides, gas plants, refineries and petro-chemical plants."

The announcement was made in Paris during UNIFY, BHGE's first-ever Digital User Conference dedicated to productivity-driving software applications for the oil and gas industry.

About Baker Hughes, a GE company

Baker Hughes, a GE company (NYSE: BHGE) is the world's first and only fullstream provider of integrated oilfield products, services and digital solutions. We deploy minds and machines to enhance customer productivity, safety and environmental stewardship, while minimizing costs and risks at every step of the energy value chain. With operations in over 120 countries, we infuse over a century of experience with the spirit of a startup - inventing smarter ways to bring energy to the world.

Visit us at BHGE.com.

About KBC, a Yokogawa company

KBC, a wholly-owned subsidiary of Yokogawa Electric Corporation, is all about excellence in the Energy and Chemical Industry.

We make and keep our clients world-class through operational excellence and profitability, enabled by the actions of our people and application of our technology. We create and sustain value by effectively converting strategy to results in client operations through technical and commercial excellence, under-pinned by engineering simulation and analytics, powered by the cloud.

Through our winning operating models and best practices we deliver superior results, sustained, surpassing ordinary standards now and into the future.

Visit us at <http://www.kbcat.com>.

Contact

Media Relations: Kristen Saunders, BHGE, +1 405 406 5813, kristen.saunders@bhge.com Chiara Toniato, BHGE, +39 055 458 6127, chiara.toniato@bhge.com Kate Allen, KBC, +44 1932 236326, KAllen@kbcat.com BHGE Investor Relations: Philipp Mueller, +1 281 809 9088, investor.relations@bhge.com