

BHGE and C3.ai Announce Release of First AI Application - BHC3 Reliability™

AI application provides early warning of production downtime and process risk to improve operational productivity, efficiency and safety

HOUSTON & REDWOOD CITY, Calif.—(BUSINESS WIRE)—Sept. 11, 2019— Baker Hughes, a GE company (NYSE:BHGE) and C3.ai today announced the launch of BHC3 Reliability™, the first artificial intelligence (AI) software application developed by the [BakerHughesC3.ai](#) joint venture.

Unveiled at BHGE's annual digital conference, [UNIFY2019](#), the now generally available application uses deep learning predictive models, natural language processing, and machine vision to continuously aggregate data from plant-wide sensor networks, enterprise systems, maintenance notes, and piping and instrumentation schematics. Using historical and real-time data from entire systems, the BHC3 Reliability™ machine learning models identify anomalous conditions that lead to equipment failure and process upsets. Application alerts enable proactive action by operators to reduce downtime and lost revenue.

Applicable to operations across all sectors of the energy value chain, BHC3 Reliability's™ system-of-systems approach scales to any number of assets and processes across offshore and onshore platforms, compressor stations, refineries, and petrochemical plants, reducing downtime and increasing productivity.

The AI-enabled BHC3 Reliability™ application, powered by the BHC3 AI Suite, draws on BHGE's domain expertise by augmenting application alerts with failure prevention recommendations and prescriptive actions.

"This application is a demonstration of how the BakerHughesC3.ai team is moving with speed to address the need for AI applications that deliver increased productivity, efficiency, and safety for oil and gas businesses," said Derek Mathieson, chief marketing and technology officer, BHGE. "BHC3 Reliability delivers the system-wide insights from data that are only possible with the use of leading AI and machine learning technology."

"The rapid release of BHC3 Reliability soon after the BHGE and C3.ai joint venture agreement sends a clear signal that BakerHughesC3.ai is a transformative force for the oil and gas industry," said Ed Abbo, president and CTO, C3.ai. "Through our work together, we are uniquely positioned to deliver significant value to oil and gas companies by quickly deploying domain-specific advanced AI applications for diverse use cases across the energy value chain."

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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 start-up – inventing smarter ways to bring energy to the world. Learn more at: www.BHGE.com

BHGE Contacts:

Media Relations

Ashley Nelson
+1 925-316-9197
ashley.nelson1@bhge.com

Stephanie Cathcart
+1 202-549-6462
stephanie.cathcart@bhge.com

Investor Relations

Jud Bailey
+1 281-809-9088
investor.relations@bhge.com

About C3.ai

C3.ai is a leading AI software provider for accelerating digital transformation. C3.ai delivers the C3 AI Suite for developing, deploying, and operating large-scale AI, predictive analytics, and IoT applications in addition to an increasingly broad portfolio of turn-key AI applications. The core of the C3.ai offering is a revolutionary, model-driven AI architecture that dramatically enhances data science and application development.

C3.ai Contacts

C3.ai Public Relations:
Bridget Fisher
Allison + Partners
503-290-7303
pr@c3.ai