Baker Hughes >

The digital transformation of energy & industrials

Bank of America 2021 Digital Energy Conference

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Digitally transforming the energy and industrial sectors







CLEANER ... SAFER ... MORE EFFICIENT



Differentiated digital offerings for customer outcomes



Driving customer outcomes
Improve margins and
productivity in OFS

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Industrial asset management

Expand differentiated capability to redefine modern asset management



Enterprise AI by BakerHughesC3.ai

Accelerate core digital offerings



Evolving Enterprise Al

February 2021

Open Al Energy Initiative (OAI)







February 2021

PETRONAS adopts BHC3 technology





March 2021

BHC3 Production Schedule Optimization released



BHC3 Production Schedule Optimization

June 2021

KBC adopts BHC3 technology





September 2021

MEG Energy deploys BHC3 technology





Customer use cases



Global chemical company

Democratization of data science across engineering and operational teams



BHC3 Ex Machina



US chemical manufacturing company

Al and machine learning to optimize steam use and maximize clean power generation



BHC3 Process Optimization



Shell

Extension of BHC3 AI Suite use to address reliability, asset integrity, and process optimization with enterprise AI applications.



BHC3 AI Suite



Bently Nevada and BHC3

Driving collaboration on BHC3 accelerating predictive intelligence to System 1 condition monitoring



BHC3 Reliability



Oilfield digital offering

ABOUT OUR PORTFOLIO

global team across 12 countries

~15k

OFS field engineers supported

24/7 remote operations global customer support centers

~30% / ~70%

External / internal user mix

90+

Customer service NPS score

DIGITALLY ENHANCED OILFIELD SERVICE DELIVERY



Well Planning

Integrated well planning experience built around the user



Well Construction

Data science paired with best-in-class drilling & completions services



Well Production

Maximized output and efficiency on production asset operations

PABILITIES

SOLUTIONS

Remote Operations

Infrastructure, processes, training, & automation solutions to run and monitor equipment from offsite

Data Management | Advanced Analytics

Systematic, automated process for data aggregation, standardization, & maintenance of unified repository

Physical and operational models layering AI, ML, & domain expertise, for better, faster, more informed decisions

Edge & Compute

Hardware, software, & connectivity to collect, analyze, & act on data locally for greater speed, security, & reliability



Scaling remote operations with Saudi Aramco

Largest deployment of remote operations in Baker Hughes' history

Objectives

Consistent access to realtime data across fields, wells, service providers

Increased automation for improved safety and performance

Deployment

Concurrent data aggregation from 200+ sites

Integrated data streaming of oilfield data

WellLink software applied across the field for real-time drilling insights

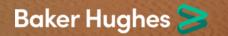
100+ team - 95% localized

Accelerating deployments with Enterprise Al

Analyzing historical oilfield data at-scale

Trends analysis and anomaly detection using machine learning

Predictive intelligence to improve performance across the upstream



Industrial Asset Management

Technology and Engineering Expertise Accelerated by Expansive, Intelligent Digital Solutions

INTEGRATED APM

Asset Performance Management

Asset Strategy

Asset Control & Security

Emissions Management **Asset Inspection &** Integrity









- Bently Nevada
- 60-yrs of Bently Nevada condition monitoring
- System 1 installed base
- Cloud-enabled integrated APM software platform
- · Improved availability, reliability, and facility uptime

- Acquisition of ARMs Reliability
- Combining maintenance, performance & asset strategies
- Equipment Process Control
- Asset / equipment cybersecurity
- Mitigate risk, boost safety
- Investing in emissions management to provide holistic & flexible enterprise solutions
- Broad optionality across digital architecture to connect to customers' **Enterprise Asset** Management software
- Non-destructive inspection for energy & industrial infrastructure
- Pipeline inspection solutions
- Advanced robotic inspections
- Computer vision & image ingestion software



Increased performance



Improved focus & ROI



Sustainability Gains

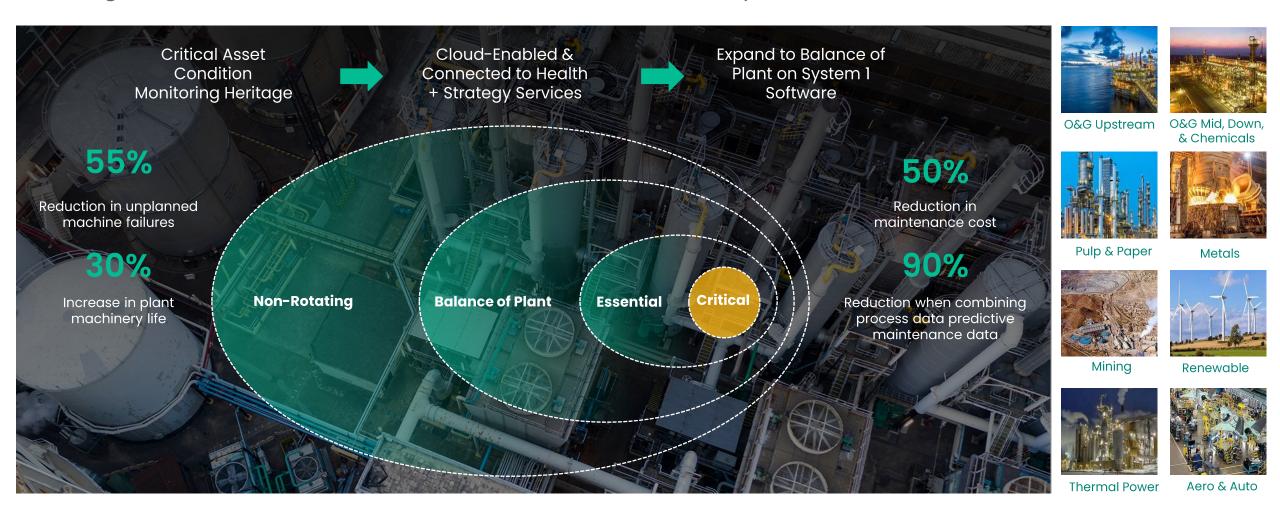


Informed priorities



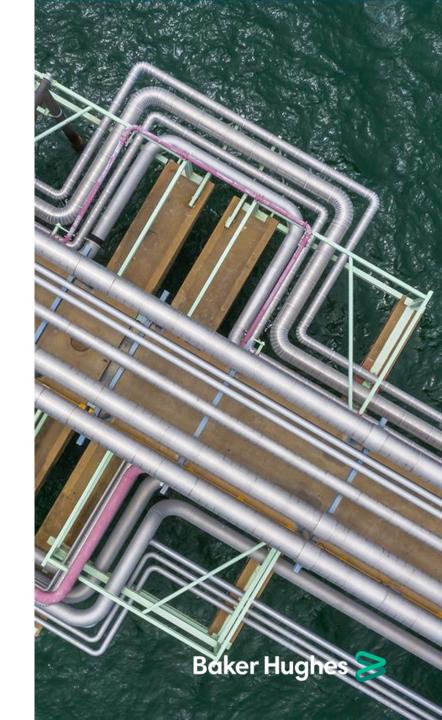
Scaling Industrial Asset Management

Integrated APM drives differentiation with holistic asset expertise



Taking digital forward

- Digital is an enabler of energy and industrial technology
- Baker Hughes driving digital transformation
- Domain-specific, differentiated digital portfolio
- Remote operations driving safer, cleaner more efficient operations in upstream
- Industrial asset management a significant opportunity for industrial energy technology
- BHC3.ai is an AI accelerator across our digital portfolio
- Continued digital growth from organic innovation, collaborations, and partnerships



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