



# UNLOCK DATA FOR INNOVATION WHEN OPERATIONAL EXCELLENCE MEETS DIGITAL

BREAKING DOWN DATA SILOS TO  
CREATE VALUE

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The background of the slide features a dark, teal-toned image of industrial machinery. On the right side, there is a complex piece of equipment with a yellow frame and various components, possibly a pump or a valve assembly. The overall atmosphere is industrial and technical.

# INDUSTRY BUSINESS CHALLENGES

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- **O&G & Refined Industrial Products At The Lowest Possible Cost.**
- **Unexpected Shutdowns.**
- **Lack Of Knowledge In The Workforce**
- **Operational Excellence**
- **Environmental Impact To Meet Stringent Standards.**
- **Security Challenge**
- **Changes In Consumer Preferences & Competition From Alternative Energy Products**



# INDUSTRY DIGITAL TRANSFORMATIONS CHALLENGES

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- **Data & Infrastructure**
- **Business Case Realization**
- **People, Organization & Culture**







# DATA & INFRASTRUCTURE

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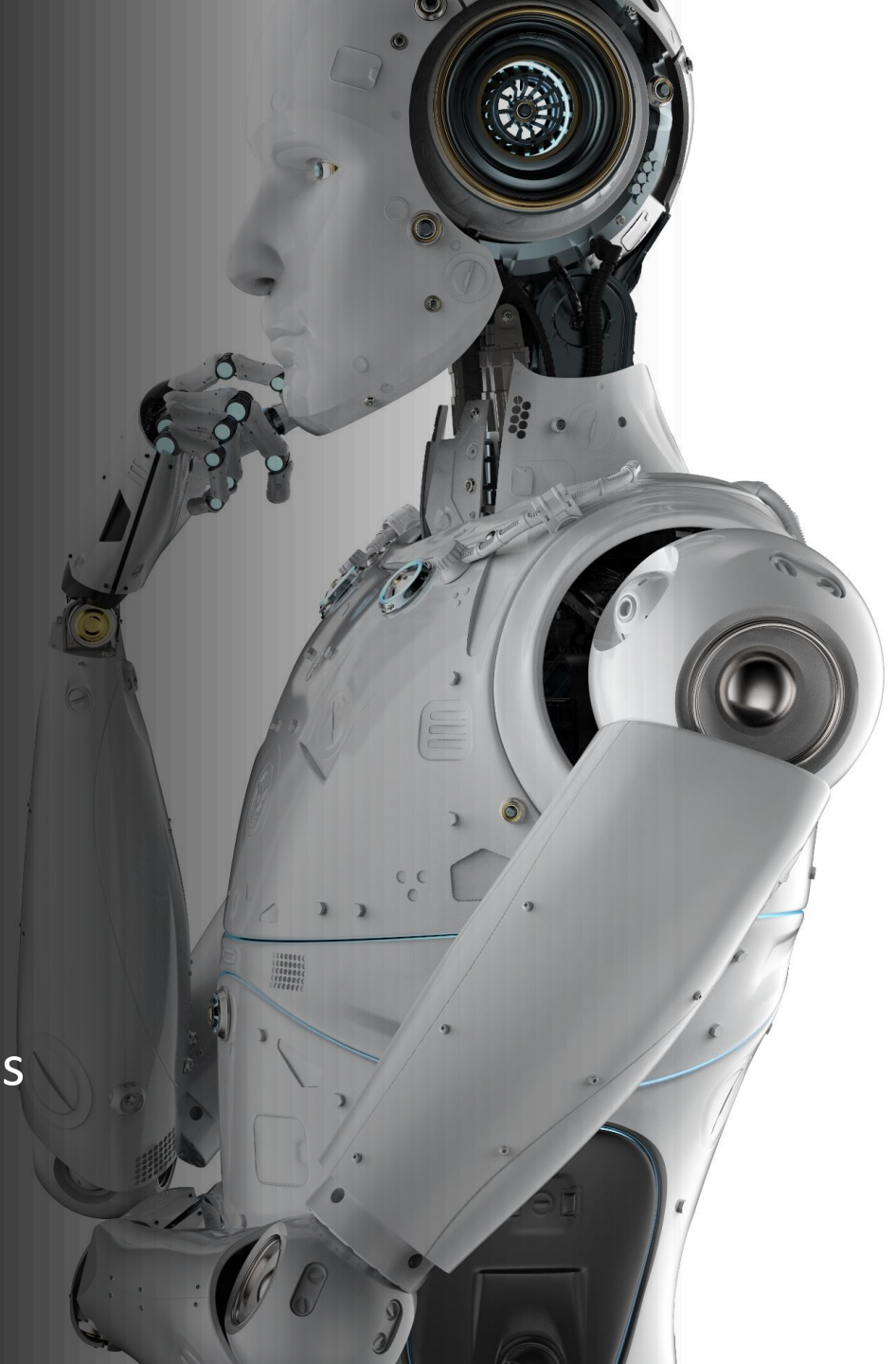
- Enhance master data management, governance and security
- Continuously map and optimize digital architecture
- Clearly define cloud strategy
- Opt for standardization & configuration of software as a service (SaaS) applications



# BUSINESS CASE REALIZATION

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- Take a 'business-led' (not technology-led) approach to requirements capture
- Design a holistic and coordinated digital program
- Establish strategic partnerships with win-win scenarios
- Reduce development cycle time of innovations





# PEOPLE, ORGANIZATION & CULTURE

- Adopting agile culture
- Achieve behavioral change
- Consider a layered approach to upskilling
- Integrate and blend data scientists within business units and engineering teams





The background of the slide is a dark, blue-toned photograph of an industrial facility, likely a refinery or chemical plant, with tall distillation columns and complex piping. Overlaid on this image is a network diagram consisting of several circular nodes connected by thin white lines. Each node contains a different white icon: a lightbulb (top right), a factory with smoke (center), a circuit board (bottom center), a lightning bolt (bottom left), a wind turbine (middle left), a smartphone (top center), a document with a checkmark (middle right), and a '4.0' symbol (bottom right).

# DATA-DRIVEN DECISIONS/INTELLIGENT OPERATIONS

- Industrial Internet of Things (IIoT)
- Blockchain
- Cloud Computing
- Big data, analytical platforms and artificial intelligence (AI)
- Intelligent automation (RPA)





# THANKS

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