



### Digital Transformation Committee Oil and gas industry: Empowerment Through Digital JIP33 Conference, Stavanger, 2023

Rob Kelly, bp – DTC Chair Milenija Stojkovic Helgesen, Equinor – DTC Vice-Chair Keith Johnston, Chevron – DTC Vice-Chair Lucyna Kryla-Straszewska, IOGP – Principal Manager

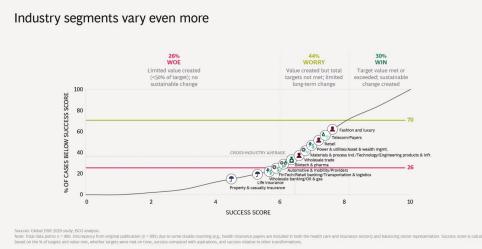


Although "change" is nothing new for this industry, it is important to recognize that there is a profound difference between "change" and "transformation".

While change generally refers to modifications or alterations that may be incremental or specific, transformation represents a comprehensive and profound shift that addresses a broader scope and involves a *significant reconfiguration or rethinking*. Change is more focused on the outcome, while transformation is concerned with the overall nature and essence of the entity or system.



# **Oil and gas industry: Empowerment Through Digital**



Most energy companies are not well prepared, although utilities are generally

in better shape KSF PERFORMANCE SCORECARD Power & Oil & 31% 48% 21% WOE WORRY utilities WIN gas Value created but total Target value met or Limited value created Agile (<50% of target): no targets not met: limited exceeded: sustainable governance sustainable change long-term change change created 100 Leadership 4 SCOR commitment 80 Effective SUCCESS 4 4 monitoring 60 Power & utilities Integrated 4 8 strategy BEL 40 High-caliber CASES talent 0 Energy average 20 Modular tech P. data platform \* 2 0 6 8 10 Ist quartile 2nd quartile 3rd quartile 4th quartile (top 25%) (top 50%) (top 75%) (top 100%) SUCCESS SCORE

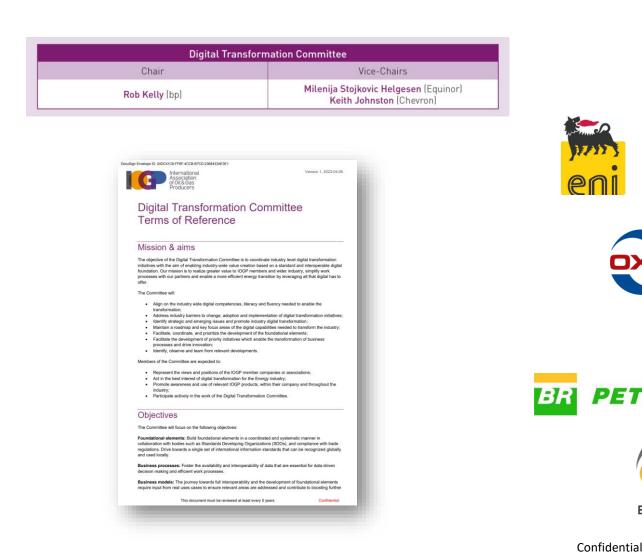
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# **Digital Transformation Committee**







## DTC Level 1 Business process



| C Digital Transformation Committee level 1 business process  |   |                         |  |  |  |
|--|---|-------------------------|--|--|--|
| OUR STRATEGY   | OUR FOCUS   | OUR DELIVERY            |  |  |  |
| SKILLS Digital skills and knowledge                          | Key Focus Areas (KFA)   | Expert Groups           |  |  |  |
| APPLICATION OF DATA Digital capabilities                     | Prioritized opportunities<br>backlog                                  | Joint Industry Sprints  |  |  |  |
| DATA EXCHANGE DTC aligned platforms                          | Foundational/enabling<br>standards and platforms<br>aligned with KFAs | Joint Industry Projects |  |  |  |
| REFERENCE DATA FOUNDATION Foundational information standards |   |                         |  |  |  |







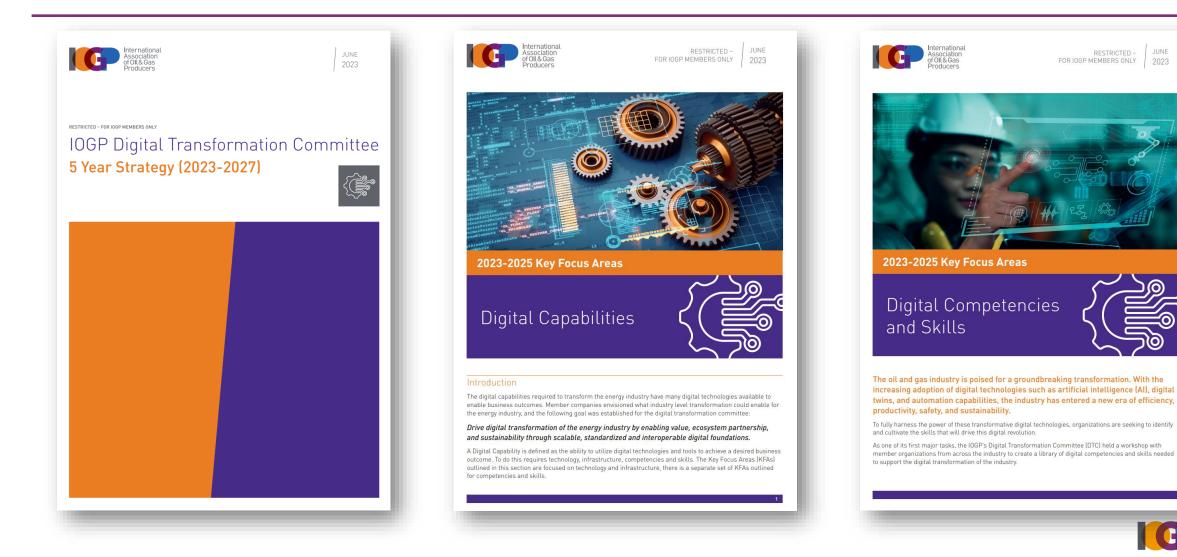
|               |  | Board of Di   | rectors   |  |      |  |
|---------------|--|---|---|--|------|--|
| nittee        | Digital Transformation Committee                         |   |   |  |      |  |
| Committee     | Chair<br><b>Rob Kelly</b> (bp)                           |   | Vice-Chairs   |  |      |  |
| Standing      |  |   | Milenija Stojkovic Helgesen (<br>Keith Johnston (Chevro |  |      |  |
| Expert Groups | Opportunities Screening<br>Expert Group (OSEG)<br>Active | Change Management and<br>Strategic Communications<br>Expert Group (CMEG)<br>Opening | Digital Platforms Expert<br>Group (DPEG)<br>Opening     | Digital Skills Expert G<br>(DSEG)<br>Opening | roup |  |
| JIPs/JISs     |  | Material Digital  | Passport JIS01  |  |      |  |



### Reports



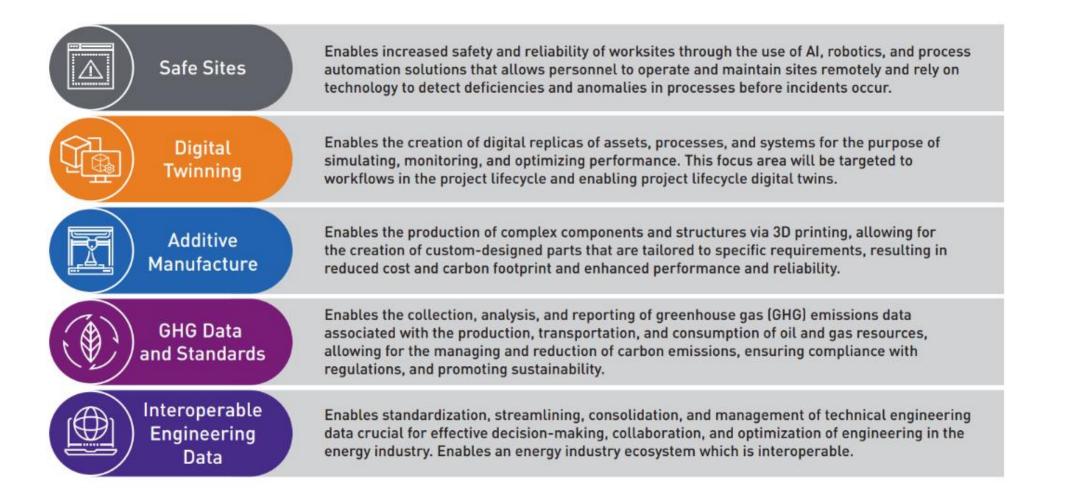
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# **DTC Key Focus Areas**

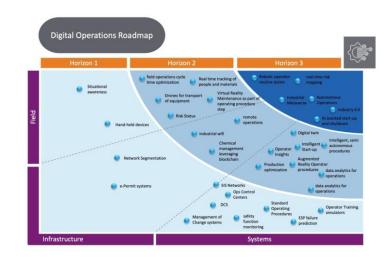


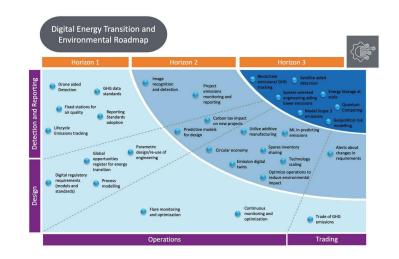


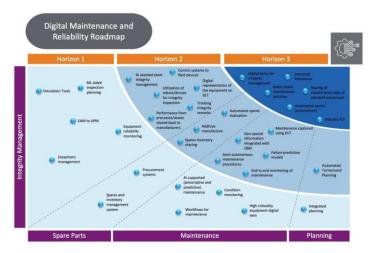


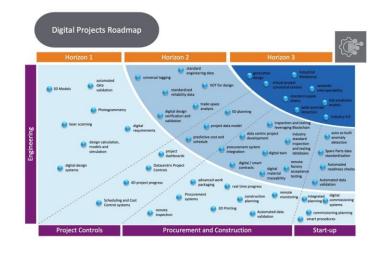
## Roadmaps







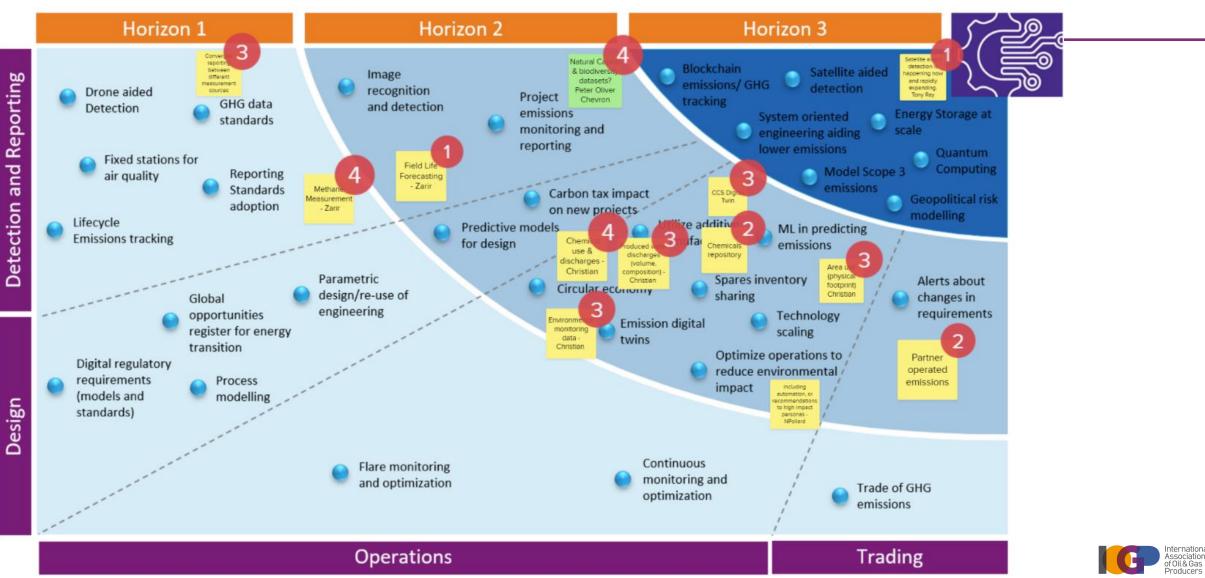




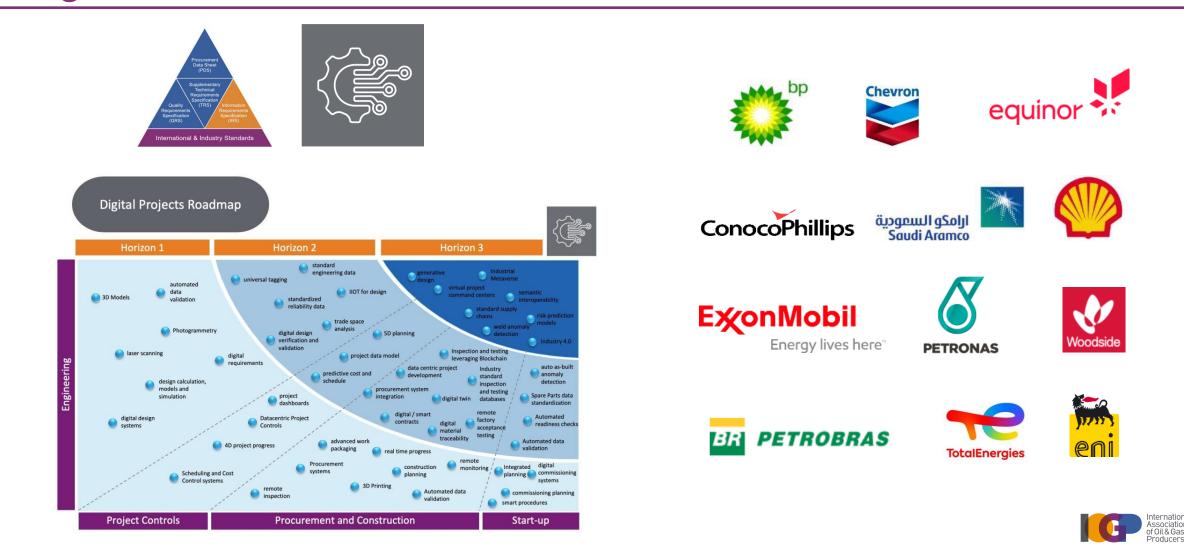


### Digital Energy Transition and Environmental Roadmap





## How do we maximize the value of the JIP33 standardization going forward



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### Summary

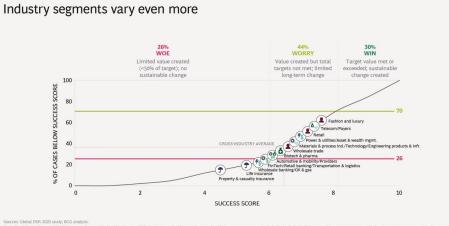
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### no one individual, no one company or organization can , nor it should claim that it could, answer to this challenge ALONE



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### Most energy companies are not well prepared, although utilities are generally in better shape



Sources volume Lok 2003 Links (no. 2013); CLA analysis. Note: Energy only data points (n = 21); oil and gas (n = 46); power and utilities (n = 21). Greentech not shown due to insufficient n (n = 14). Success score is calculated based on the % of targets and value met, whether targets were met on time, succe command with assistances, and success relative to other transformations.







### For more information please contact:

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Read more about the Digital Transformation Committee: tps://www.iogp.org/workstreams/engineering/digital-transformation

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