

## **Transformation of Digital Technologies in the Energy Industry**

資源業界におけるデジタル改革

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Driven mostly by frothy commodity markets and a culture of continuous improvement; for decades; the Oil and Gas industry could afford a knowledge based organization design; specific functions required equally specific skills. The need for deep expertise led employees to follow vertical career paths, staying within a functional group. Subsurface, well construction, surface, production and operations, midstream, process and finally trading teams managed well defined interfaces and handover points to set requirements and ensure proper workflow management. In large; this siloed approach met business expectations and investment hurdle rates. This presentation will define the different digital technologies at play in the Oil & Gas industry today and address the concept of an organization digital thread that literally connects the dots across the value chain of an oil and gas operator showcasing how the IIOT digital thread can unlock significant productivity gains and support the breakdown of silos in a typical O&G organization.