



A Circular Economy Approach to Decommissioning

Sophie Theys



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Ms. Theys is Technical, Quality and Risk Manager for the Africa region at Bureau Veritas, a testing, inspection and certification (TIC) company. Sophie Theys comes with 20 years of experience in the upstream and midstream oil and gas sector with a unique mix of project management, technical and field experience. She has lead efforts in optimizing water usage, monitoring CO2 capture & storage and providing solutions for assets to live longer without impacting safety or the environment. She is currently part of the technical board of EUROGIA2020 (promoting low-carbon energy technologies) and has participated on the "fit-for decision metrics" work scope of SPE-STDS. Why Oil & Gas and sustainability? Having grown up with the industry, Sophie believes that oil & gas has a powerful social and technical lead in implementing a sustainable local footprint to serve a global market.



Sophie Theys



Poll Question 1

What is your role in decommissioning?




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Poll Question 2

What is circular economy for you?



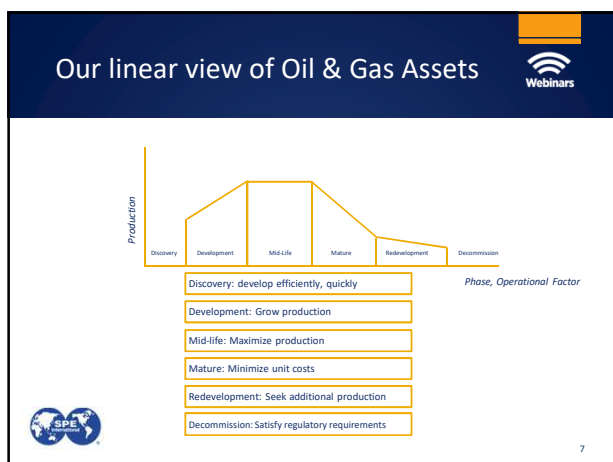

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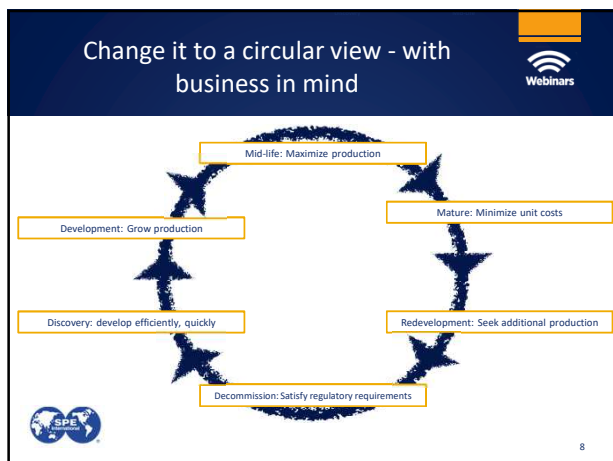
Poll Question 3

What is decommissioning for you?




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A circular Economy Approach to Upstream Oil & Gas Assets

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Decommissioning Today



Site Clearance

Materials Disposal

Platform Removal

Conductor Removal



Pipeline and cable

Well Plug & Abandon

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Decommissioning Tomorrow



- Integrating all stakeholders
- Life Cycle Analysis
- Net environmental Benefit Analysis
- Reconditioning, re-certification and re-use
- Materials e-platform
- Shared-Exchange Hub
- Digital monitoring, maintenance and predictive remanufacturing



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Decommissioning in the Future



- Re-use Assets
- Redesigning rigs for:
 - standardisation
 - « plug and play » - energy efficient well completions
- Integrated supply chain



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Challenges





Transparency of records



Liabilities



Logistics



Non core business



New is better quality and safer



Connect





Coordination and integration

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Questions?



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Annex Slides



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