

Digital Oilfield Implementation Concept

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+ What is Digital Oilfield?

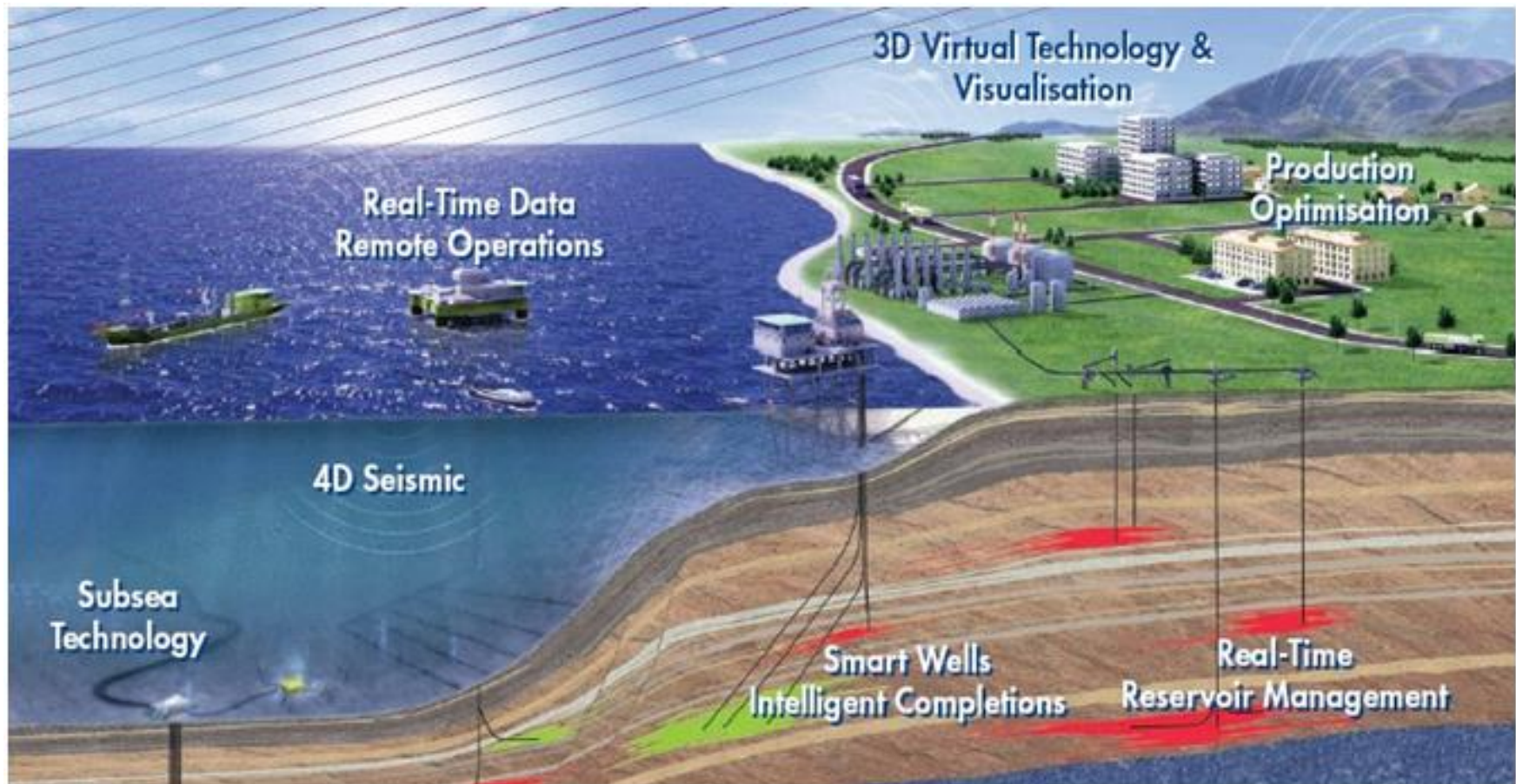


Digital oilfield is a concept that aims for continuous production optimisation of an asset or group of assets through the integration of people, tools, processes & facility. Digital Oilfield solutions aim to provide an operating field the capabilities to optimise production in the short term and maximize lifecycle value in the long term.

- Excerpts from Paper OTC 24078

+ What is Digital Oilfield?

- Concept of Continuous Optimisation of Asset(s)
- Integrates People, Tools, Processes & Facility.



+ Digital Oilfield Value Loop

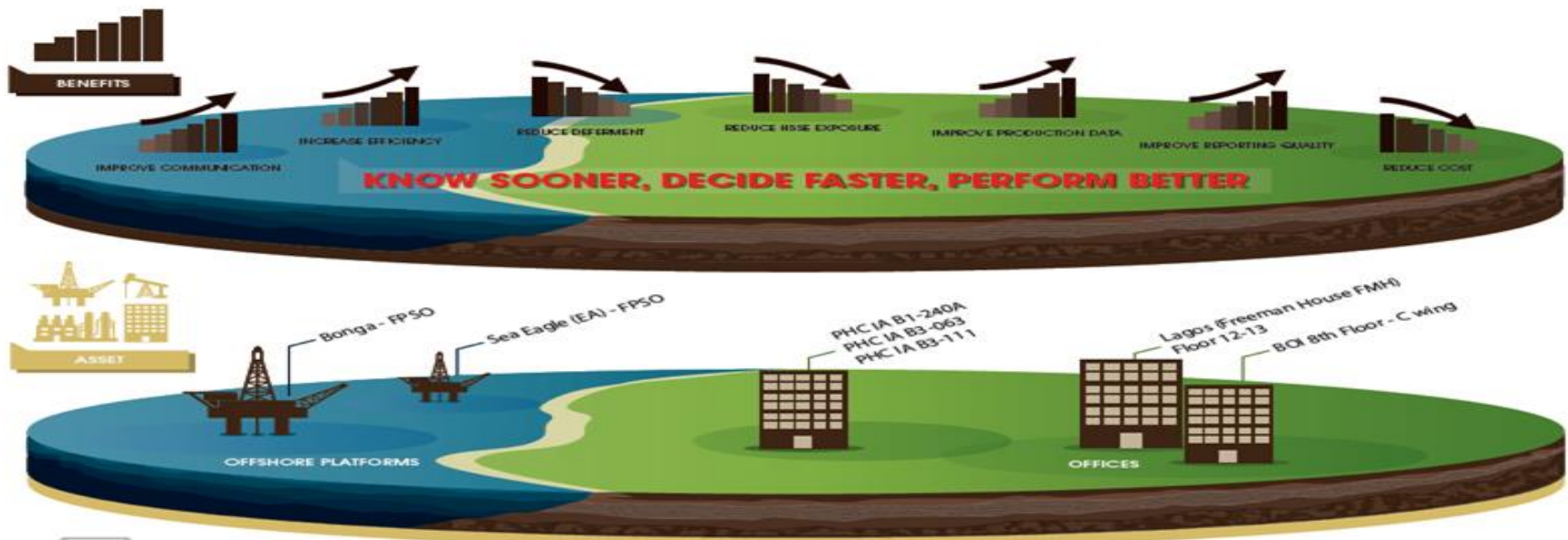
- Gather data and define the problem
- Generate ideas and various solutions to the problem
- Make appropriate decision
- Communicate and execute the agreed decision (s)





Key Benefits of Digital Oilfield

- **Production Optimisation / Availability 0.5 – 5%**
- **Remote support resulting in reduction of field crew - 25%**
- **Reduced NPT through concurrent planning operation optimisation 5 – 15%**
- **Reduction in risk exposure (HSES) / Travels**
- **Field life extension through effective field management**
- **Increased team operational integration / situational awareness**





Challenges of DOF Benefits Realisation



- **Data Challenges**
- **Technology / Infrastructure Challenges**
- **Project Implementation Challenges**
- **Organisational Structure Challenges**
- **People Challenges**
- **Results in value erosion overtime**





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