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## **Shell's Strategy**

## Our Purpose

We power progress together by providing more and cleaner energy solutions

#makethefuture

#### **Strategic Ambitions**

World Class Investment Case

Thrive in the Energy Transition

Strong Societal Licence to Operate

#### **Aspired Portfolio**













Growth priorities





opportunities

#### Winning Capabilities

**Customer Centricity** 

**Commercial Value Delivery** 

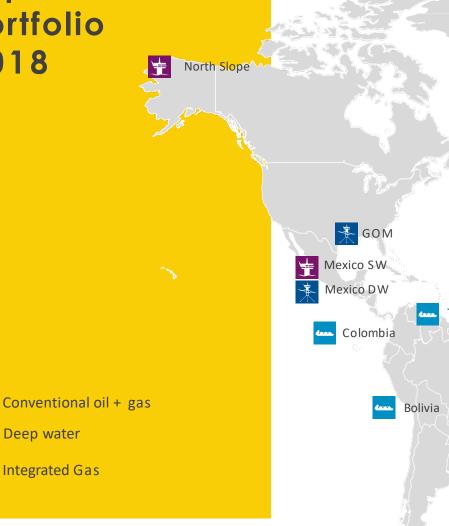
Technology Commercialisation

Project Delivery

**Operational Excellence** 

Underpinned by our Values, Goal Zero, and People

## **Exploration Portfolio** 2018



Mauritania ∯ O man Mauritania DW **Somalia** Migeria ₩ Kenya Nigeria DW \* Namibia \* Brazil

Morway Russia ₩ UK Russia <u></u>₩ NL # Kazakhstan ₩ Black Sea <u></u> Italy Albania Morocco Egypt Egypt Myanmar Myanmar Philippines † Thailand OCA **Malaysia** Malaysia DW Australia

Shales exploration not included

Deep water

## **Dilemmas and Opportunities**

Delivering our strategy however comes with dilemmas and opportunities. The dilemmas reflect wider societal challenges and are complemented by opportunities, which, properly grasped, will guarantee that exploration will thrive for decades to come.







## Energy for a changing world

There is more demand for energy globally as the world's population and living standards increase



#### Growing population

Global population is expected to increase from around 7.6 billion today to nearly 10 billion by 2050<sup>1</sup>, with 68% living in cities<sup>2</sup>



#### Rising demand

The IEA's main scenario sees a 30% rise in global energy demand between today and 2040, with an increase in consumption of both oil and gas<sup>3</sup>



#### Ongoing supply

By the 2050s solar could emerge as the dominant primary energy source, but oil and gas needs will continue where substitution is difficult<sup>4</sup>



# Mitigating climate change

Net-zero emissions is a potentially achievable societal ambition<sup>5</sup>

Sources: <sup>1</sup>UN World Population Prospects (2017 revision); <sup>2</sup>UN World Urbanisation Prospects (2018 revision); <sup>3</sup>IEA World Energy Outlook 2017; <sup>4</sup>Shell Sky Scenario: Meeting the Goals of the Paris Agreement (2018); <sup>5</sup>Shell New Lens Scenarios Supplement, "A Better Life with a Healthy Planet" (2016)

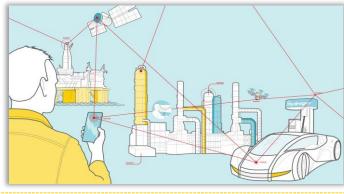
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## The future will be different

MoreStandardization



Digitalization

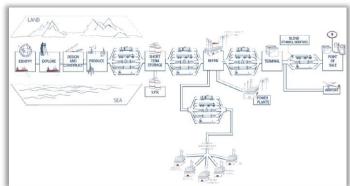


**2** Cutting Cycle Time

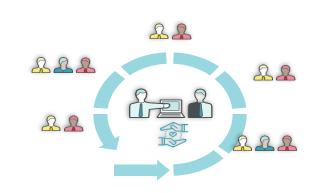


System Engineering/
Optimize Value Chain

Innovative commercial deals



IndustryCollaboration

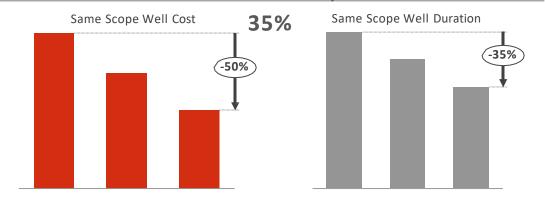


SubsurfaceUncertainties

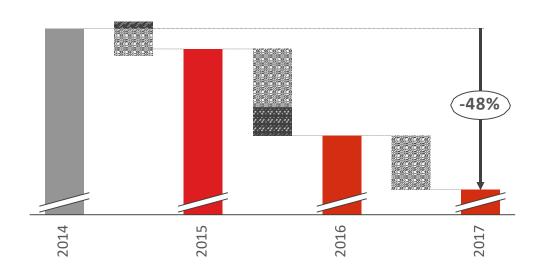


## Changes need to be sustainable

#### Shell DW Well costs are down 50%, durations are down

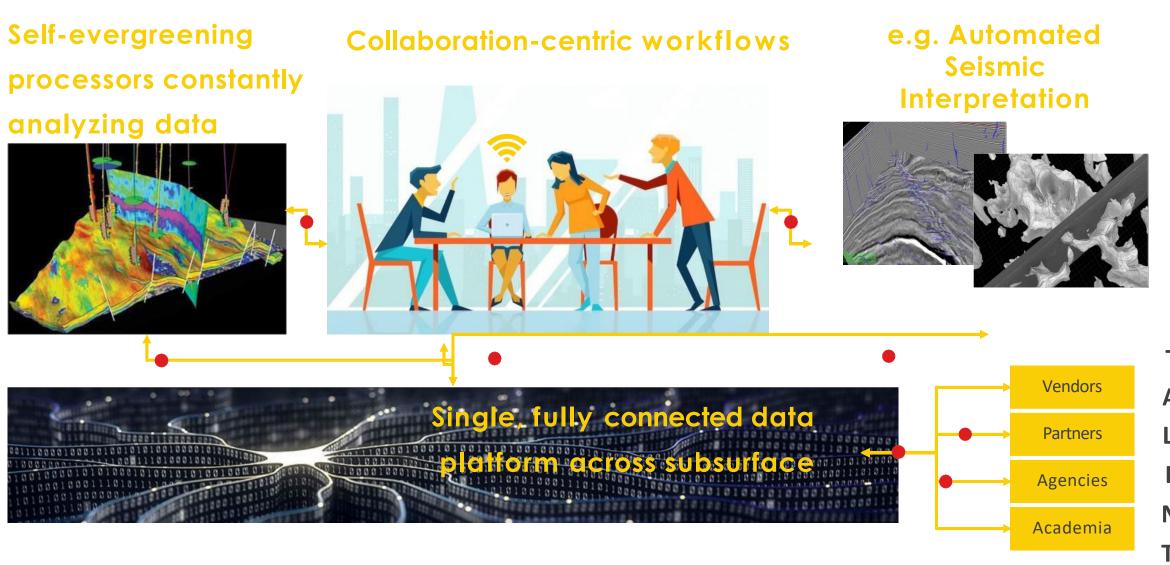


#### Shell DW Unit Development costs are down ~50%



- **Competitive Scoping:** Starting from a minimum technical scope and identifying key value adding scope additions.
- **Efficient Execution:** Being more capital efficient in execution.
- **Supply Chain Transformation:** Manage the supply chain "as a system," understanding the critical interfaces that will deliver improved efficiency, driving out waste.
- Technology & Innovation
  - Cost reducing and enabling "big ticket technologies"
  - Automation/digitalization will be axial forces in the improvement journey.
- Cutting Cycle Time
- **System Engineering:** Optimize full value chain
- Industry Collaboration (open access, sharing)

## Adapting for the future



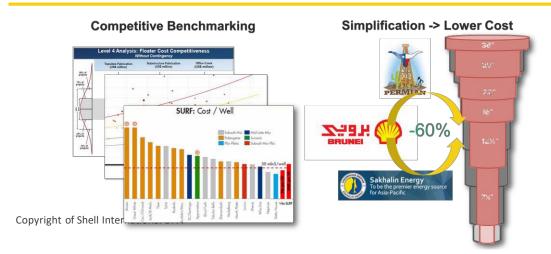
## Vito: Transformational changes make project competitive and affordable

1 Project Concept: Simple = Cheaper

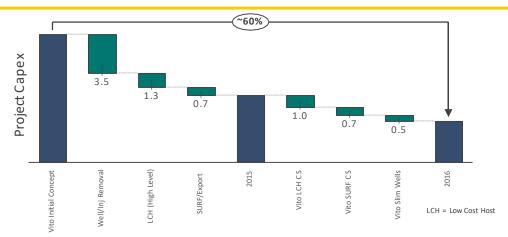


Further Cost Reduction: Through competitive

3 benchmarking and leveraging partners

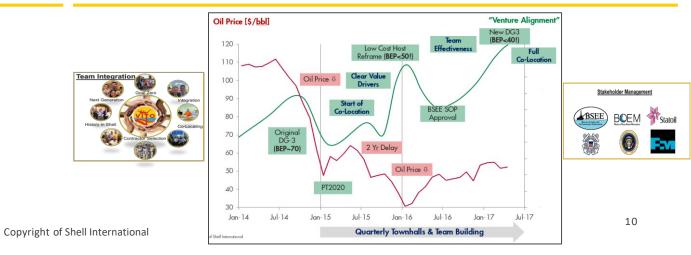


2 > 60% Cost Reduction: Through Competitive Scoping



**Re-invented Project:** Focus on value levers with strong

4 team integration and stakeholder engagement



## Shell is seeking collaborative solutions for a changing world



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