

92,000

Average number of people we employed

\$21 billion

Cash flow from operating activities

30 million customers

Served every day through 43,000 Shell-branded retail stations

30.9 million tonnes per annum

**LNG liquefaction volumes** 

2%

Our share of the world's oil production

**70**+

Number of countries in which we operated



**50%** 

Share of our production that was natural gas

1%

Our share of global supply of energy

3.7 million

Our production of crude oil and natural gas, in barrels of oil equivalent a day



57.1 million

Tonnes of LNG we sold

1 million tonnes

Amount of CO<sub>2</sub> captured by Quest CCS facility in 2016

#### \$1.0 billion

spent on R&D

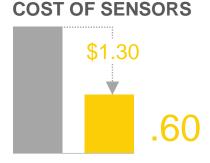
\$102 million

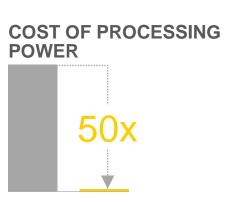
Spent on voluntary social investment worldwide

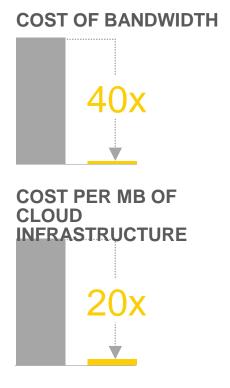
#### A Transformation in the World of Data

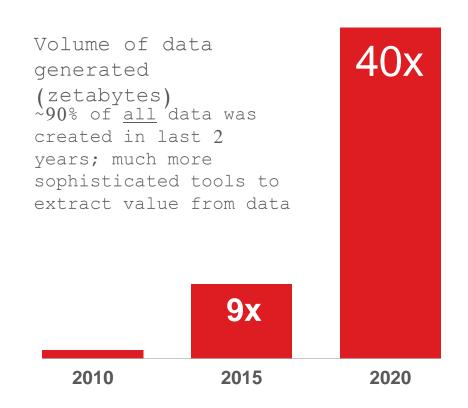
Technology is becoming faster and cheaper over the past ten years

### Data is growing exponentially

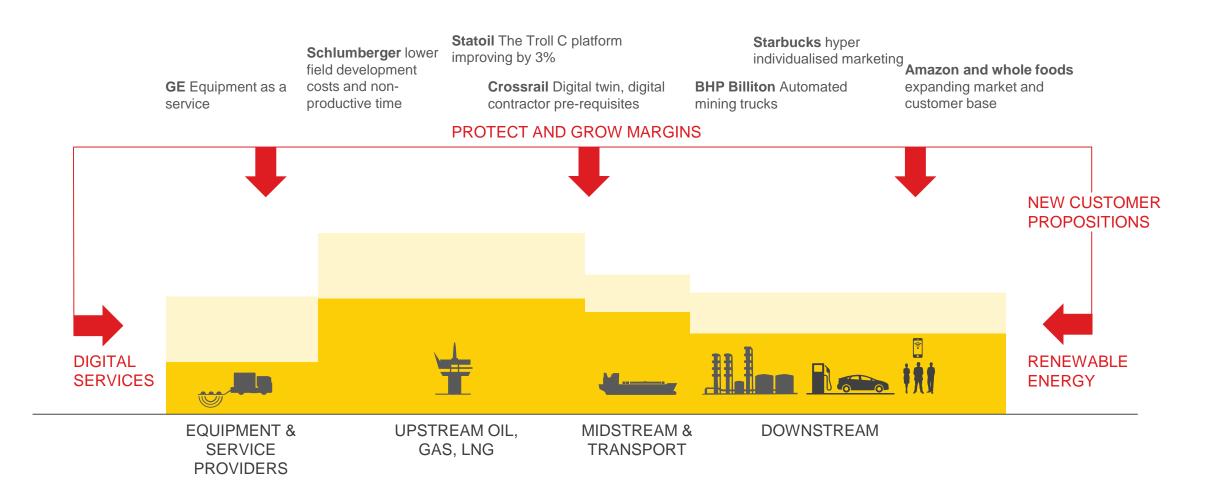




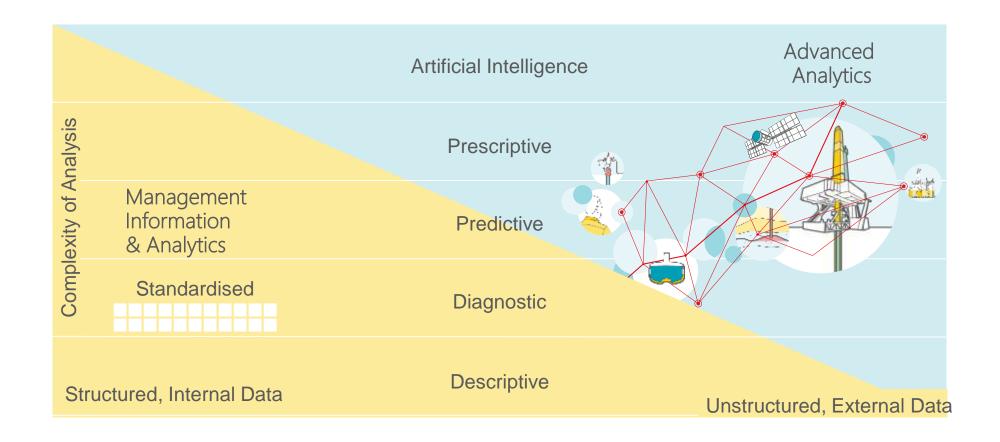




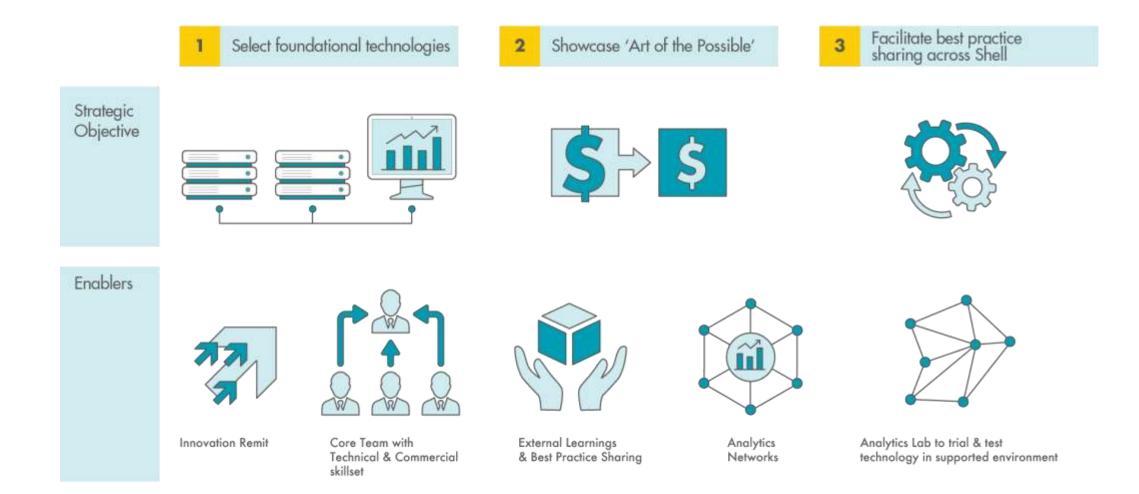
# Profit pools are shifting, challenging traditional models and creating new opportunities

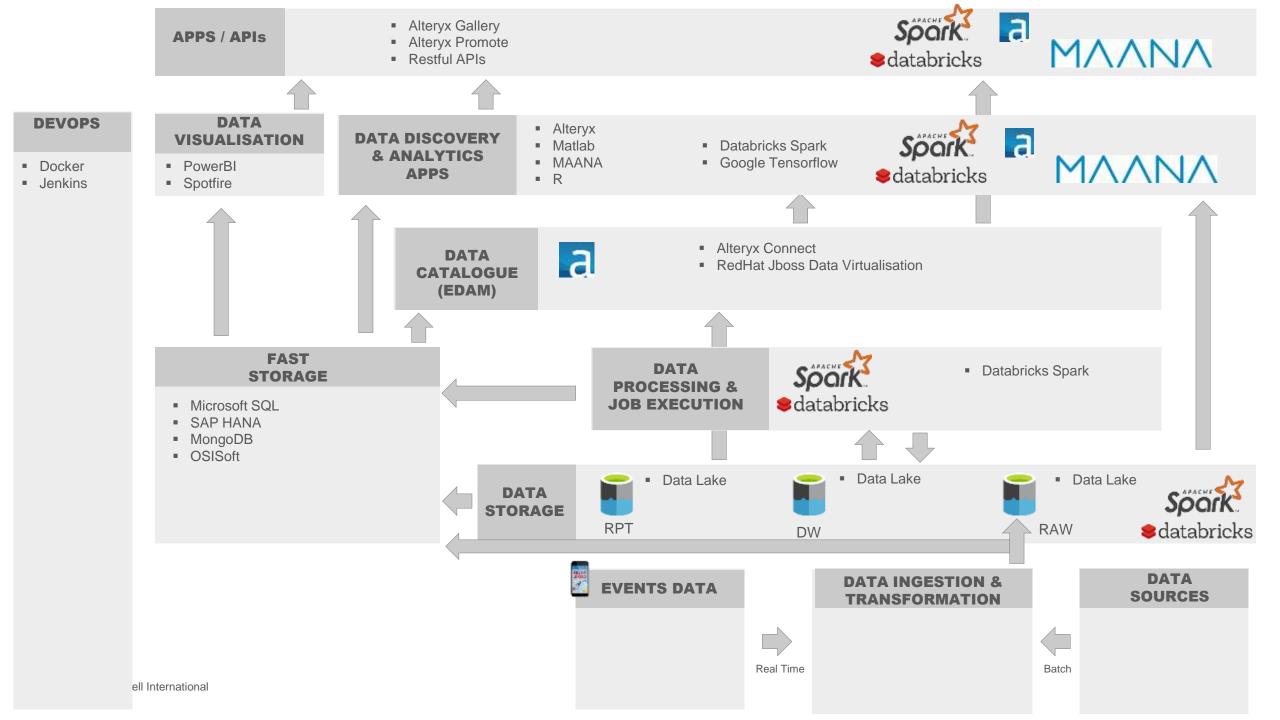


# **An Analytics Framework**



## The Role of the Advanced Analytics CoE



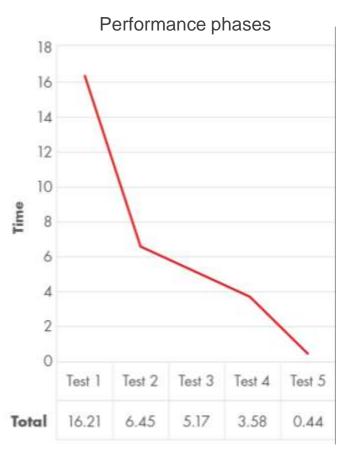




## Scaling into a global tool

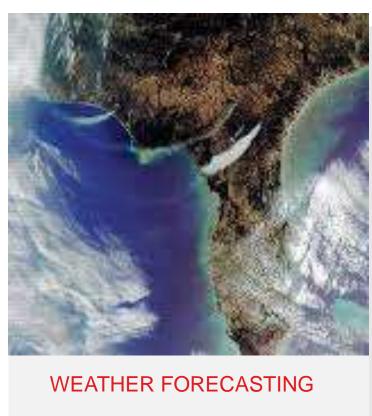
- Accessible architecture
- Running 10,000 simulations per inventory
  item across all materials took 48 hours
- Leveraged Databricks Spark capability to scale algorithms linearly
- With Databricks support, reduced simulation time from 48 hours to less than an hour
- With SAP HANA, users can get real-time answers without pre-processing

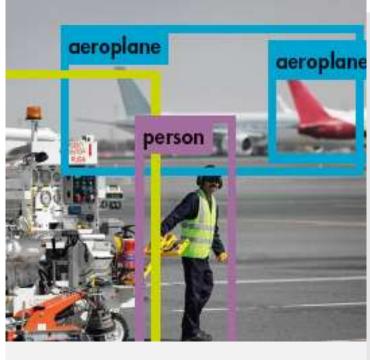




## Now we are "live" with Databricks & Spark, what next?







**MACHINE VISION** 

