



The Role of Data and Standards in
our Modernization and
Transformation Journey Andrew
Mercer

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Digitization – the fourth industrial revolution



1st revolution

18th century



Water/steam

2nd revolution

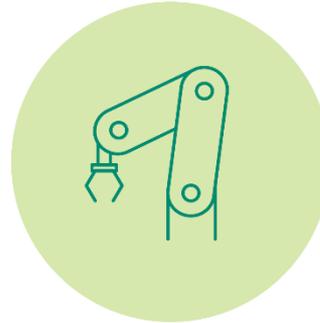
19th century



Electrification

3rd revolution

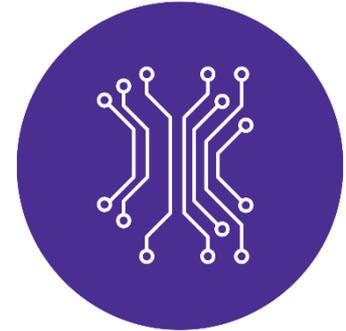
20th century



Automation

4th revolution

21st century



Digitization

IT&S

Source: BP Technology Review, 2018



Digitization – will have a significant impact on world energy systems



We estimate that application of digital tools, including sensors, supercomputing, data analytics, automation and artificial intelligence (AI), all supported by the networked computers of the ‘cloud’, could reduce primary energy demand and costs in sectors of the energy system by 20-30% by 2050.



BP strategy – platform for growth



Shift to gas and advantaged oil in the upstream



Market-led growth in the downstream



Venturing and low carbon across multiple fronts



Modernizing the whole group





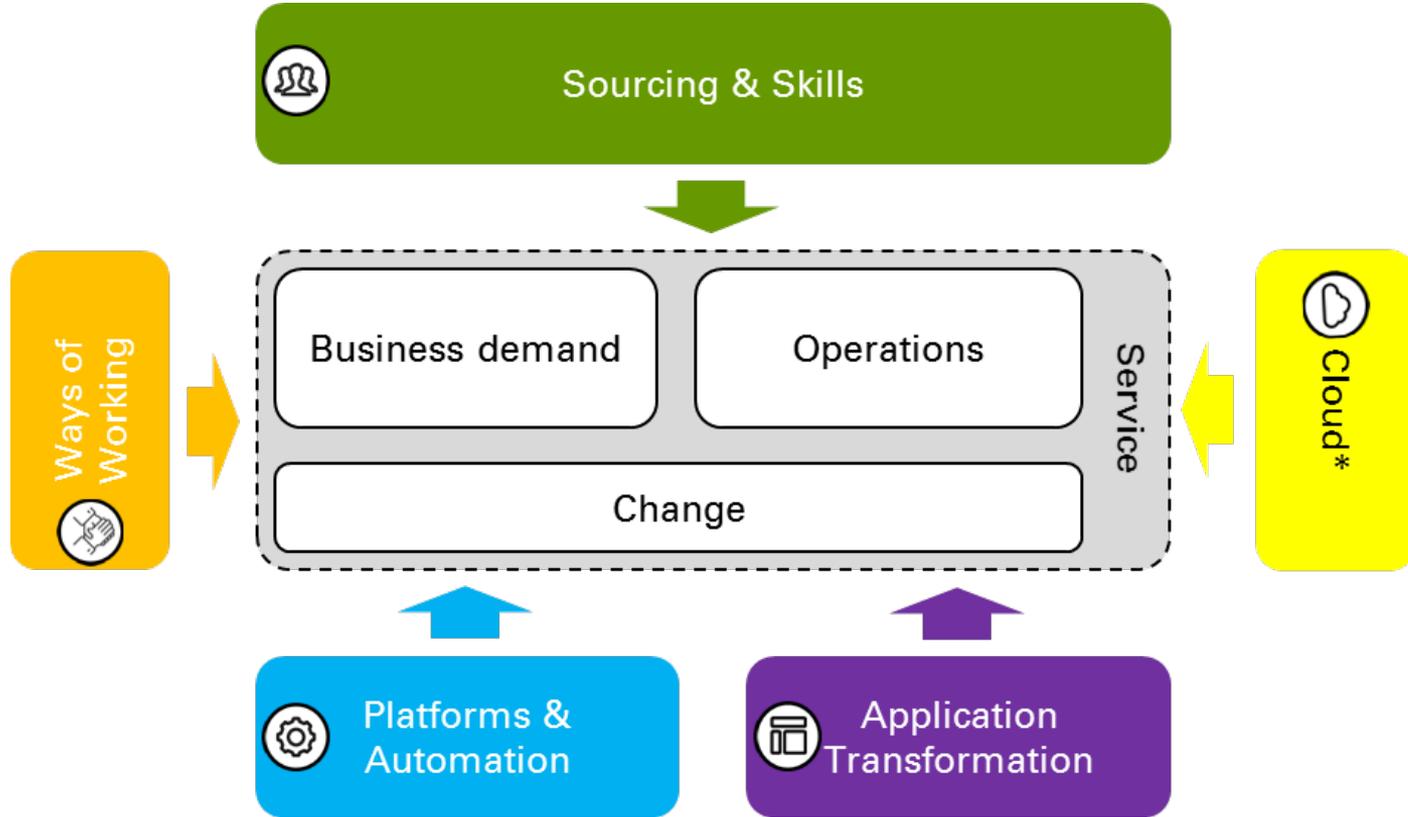
Our Purpose

We solve big complex challenges with our data and technology expertise to advance the energy transition

Source: BP IT&S
IT&S



Themes to deliver Information and Technology at Pace



Standards are a key enabler of digital delivery at pace



PIDX Standards help drive eBusiness adoption, integration cost reduction, and improve overall Business Processes Efficiencies.





Q&A

IT&S

