

# Data to Knowledge: Crossing the Chasm

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## **Data Highways**





#### **The Connected Upstream ®**



01



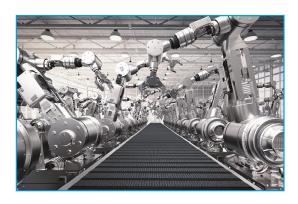
Connecting people and data

02



Connecting physical and digital assets

03



Connecting machine intelligence and business decisions

#### Delivering impact from digital and technology





11,300 trillion

calculations per second

4x growth in supercomputer power since 2014.

Finding new barrels at Thunder Horse Gulf of Mexico.

**1000**mmboe

Identified using FWI imaging technologies and reservoir characterization.

Reliability monitoring with Plant Operations Adviser

17.1 million

calculations per day on ~50000 pieces of equipment (GOM, T&T, Angola, NS & Oman)



#### **Digital Models**

Digital models reducing offshore visits-targeting 30%, saving Trinidad \$650k to date.



**Optimizing production** 

19mboed

from APEX production system digital twin

**Well Management** 

2500

Wells monitored in Argus

**2019 Digital Factory** 

11 million

Dollars in cost savings delivered in digital factory

8 petabytes

Seismic data moved from tape to cloud as an industry first



### **Collaborations**

