THINK BIG

BIG 2017 Conference
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What is innovation?

Innovation IS MORE than ideas

Idea #1
Idea #2
Idea #3
Idea #4
Idea #5

Structured: business driven

Problem solving: delivers value

Innovation IS applying ideas through structure problem solving

“So, start with the problem…”
Think big, prototype small, scale fast

Business opportunities that make a difference

Test quickly and learn

Capture advantage

“Think Big”

“Prototype Small”

“Scale Fast”

EXPERIENCE COUNTS

Unlock 30 years of experience

Lessons learned

Multiple applications reaching ¼ of all employees

How do we control the PH of the Pluto MEG system?

How can we achieve zonal selectivity in gas wells?

World-class capabilities. Proven reliability. Agile and adaptable.

Cognitive Computing

Operations

Projects

Finance

Science and Technology

Exploration

People and Capability

Legal

Developments

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3000 records per second…

…6000 analytics models…

…3 million calculations per day

Cognitive Computing

Pluto LNG Park

Foaming Prediction

Plant Wide Analytics

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People and culture are key

Innovation Culture

“Think Big” — “Prototype Small” — “Scale Fast”

People

“Role of the individual”

“Role of collaboration”
“Importance of diversity”
Innovation across Woodside value chain

**Explore**
- **Full-Waveform Inversion**
  - Reduced exploration cycle time and improved success rate

**Develop**
- **Modularisation**
  - Reducing LNG liquefaction cost through modular construction
- **Cognitive Computing**
  - Saving time, driving efficiency and reducing cost

**Operate**
- **Data Analytics**
  - Insights from data to reduce lifting cost and protect high reliability
- **3D Printing**
  - Potential to reduce operating cost through spares on demand
- **Wireless Technology**
  - Enabling wireless sensors and mobile technology

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