

# Building the foundations for the digital future

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**R2S**

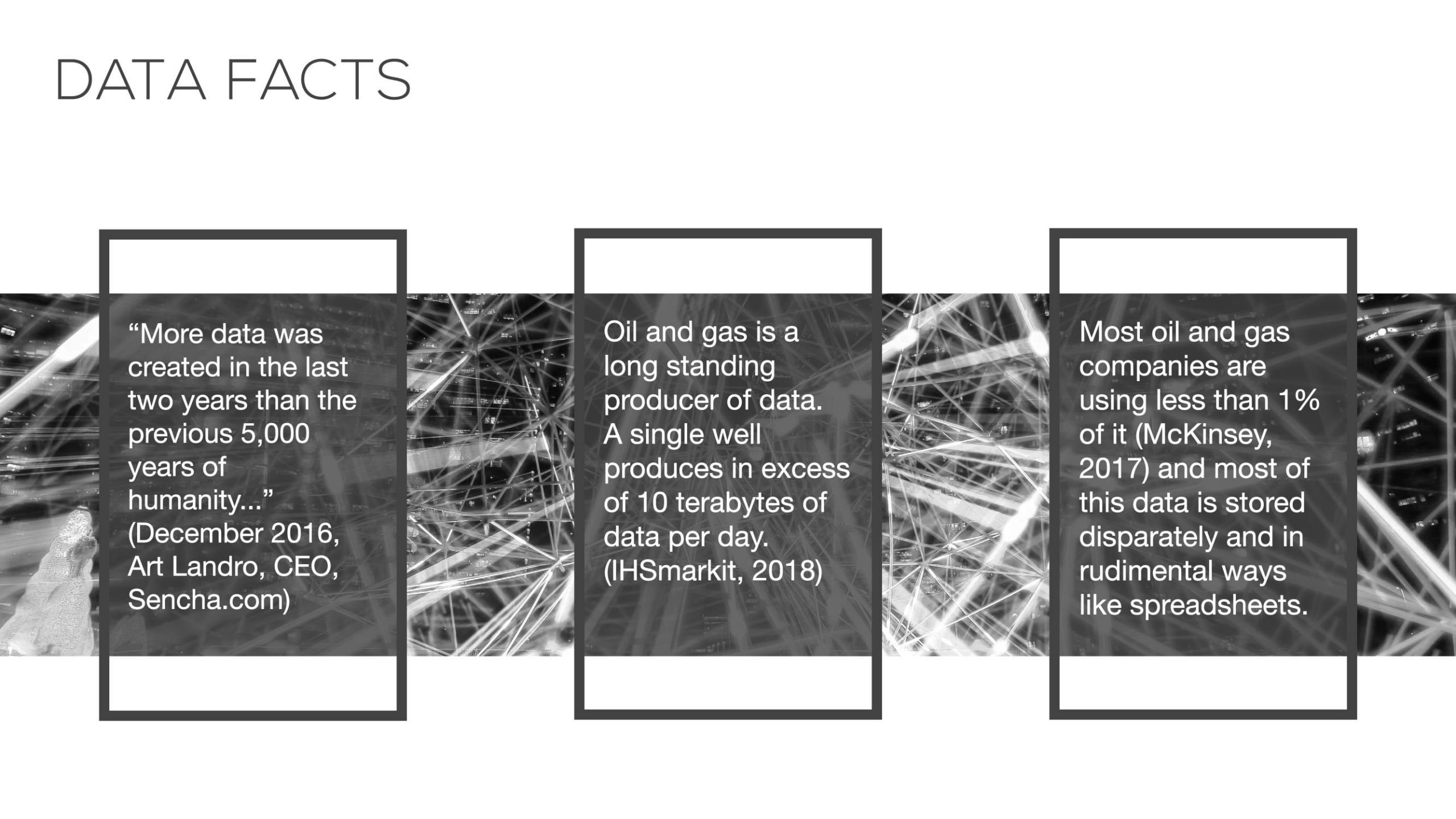
**James Fisher**  
Asset Information Services



“The world’s most  
valuable resource is no  
longer oil, but data”

Economist, 2017

# DATA FACTS



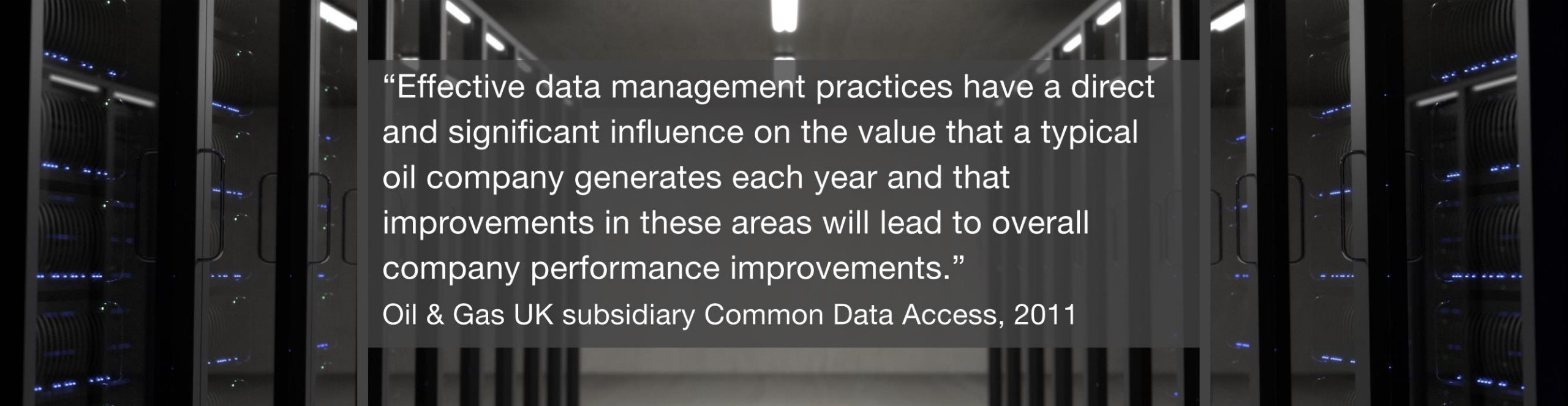
“More data was created in the last two years than the previous 5,000 years of humanity...”

(December 2016, Art Landro, CEO, Sencha.com)

Oil and gas is a long standing producer of data. A single well produces in excess of 10 terabytes of data per day. (IHSmarkit, 2018)

Most oil and gas companies are using less than 1% of it (McKinsey, 2017) and most of this data is stored disparately and in rudimental ways like spreadsheets.

# DATA FACTS



“Effective data management practices have a direct and significant influence on the value that a typical oil company generates each year and that improvements in these areas will lead to overall company performance improvements.”

Oil & Gas UK subsidiary Common Data Access, 2011

# MAXIMISING DATA WITH R2S

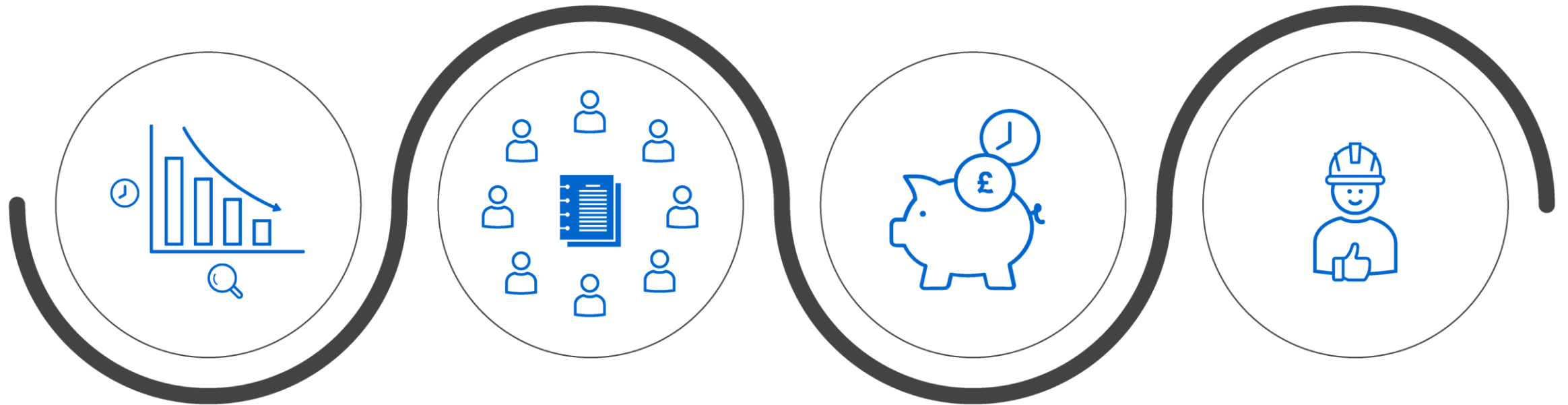
The screenshot displays the R2S Mosaic software interface. The main window shows a 3D visualization of an offshore oil and gas field. The visualization includes several offshore platforms and structures, with labels indicating different project stages: "Major Change Projects", "Operations", "Design & Construction", and "Subsea Visualisation". A search bar at the top right of the main window prompts the user to "Select CTRL-F to find an asset".

The interface includes a sidebar on the left with a "Structure" panel listing project components such as "00 Block 101 Field Layout (2)", "01 Design & Construction (4)", "02 Subsea (3)", "03 Operations (8)", "04 Major Change Projects (3)", "05 FPSO (5)", "06 Gas Terminal (7)", "3D (4)", and "Plugins (8)". Below the structure panel is a "Properties" panel showing the title "00 Main Title Screen Demo" and a "Description" section. The bottom of the interface features a "Plan" view and a status bar with the text "Ready".

The main visualization area is titled "R2S Mosaic Demonstration Project" and includes a search bar. The visualization shows a 3D model of an offshore field with various platforms and structures. Labels indicate different project stages: "Major Change Projects", "Operations", "Design & Construction", and "Subsea Visualisation". A search bar at the top right of the main window prompts the user to "Select CTRL-F to find an asset".

The bottom of the interface features a "Title Screen" section with the R2S logo and the text "A part of James Fisher and Sons plc Marine Services Worldwide". The status bar at the bottom of the window displays the following information: "Location: \\BB3\MosaicDemo\Mosaic Features Demo 08-02-19", "Showing 6 of 7 Markup", "Showing All Hotspots", "Mode: Standalone", and "Build 1.4.0.6".

# GAME-CHANGING DATA HUB



Feedback from assets and regions that have adopted R2S demonstrated considerable efficiency gains in both time and cost savings, but also an improvement in the working environment. In the UK alone, one operator is saving 100+ man-days per month using R2S right now.



# UNLOCKING THE POWER OF DATA

## TRANSFORMATION

Data analytics as an essential capability for transforming businesses (Accenture & Microsoft, 2011)

## OPTIMISATION

Improves productivity and safety, reducing time & cost.

## IN PRACTICE

Using predictive analytics, CNOOC saved \$20 million on its Buzzard platform.

# FOUNDATIONS FOR THE FUTURE



Advanced analytics has the potential to bridge production gaps.

Predictive maintenance tools are already making waves.

Ability to produce future game-changing technologies (e.g. automation).



# TAKEAWAYS

By collating and fostering an understanding of the data, we:

- 01** Improve safety
- 02** Save the industry time and money
- 03** Create efficiencies
- 04** Ensure we gain maximum value
- 05** Build the foundations for the digital future



# THANK YOU

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**R2S**

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