



INFRASTRUCTURE
MINING & METALS
NUCLEAR, SECURITY & ENVIRONMENTAL
OIL, GAS & CHEMICALS

Big Data & Analytics

Bold Strategies.
Endless Possibilities.

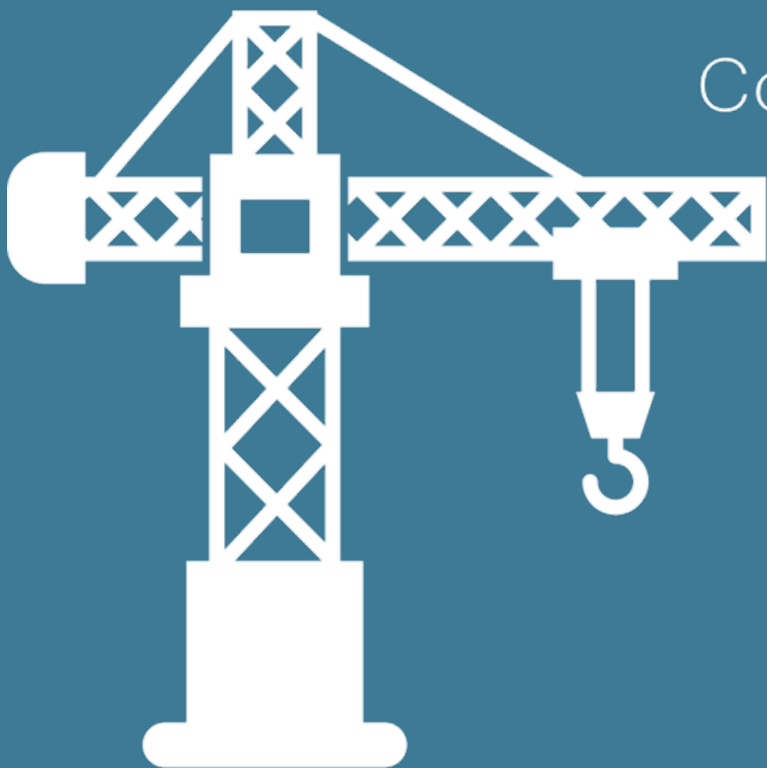
- Michael O’Byrne | Scott McNeill
- March 2018





Bechtel is one of the most respected global engineering, construction and project management companies.

Together with our customers, we deliver landmark projects that foster long-term progress and economic growth.



Construction matters for the world economy ... but has a long record of poor productivity.

Construction-related spending
accounts for

13% of the world's GDP

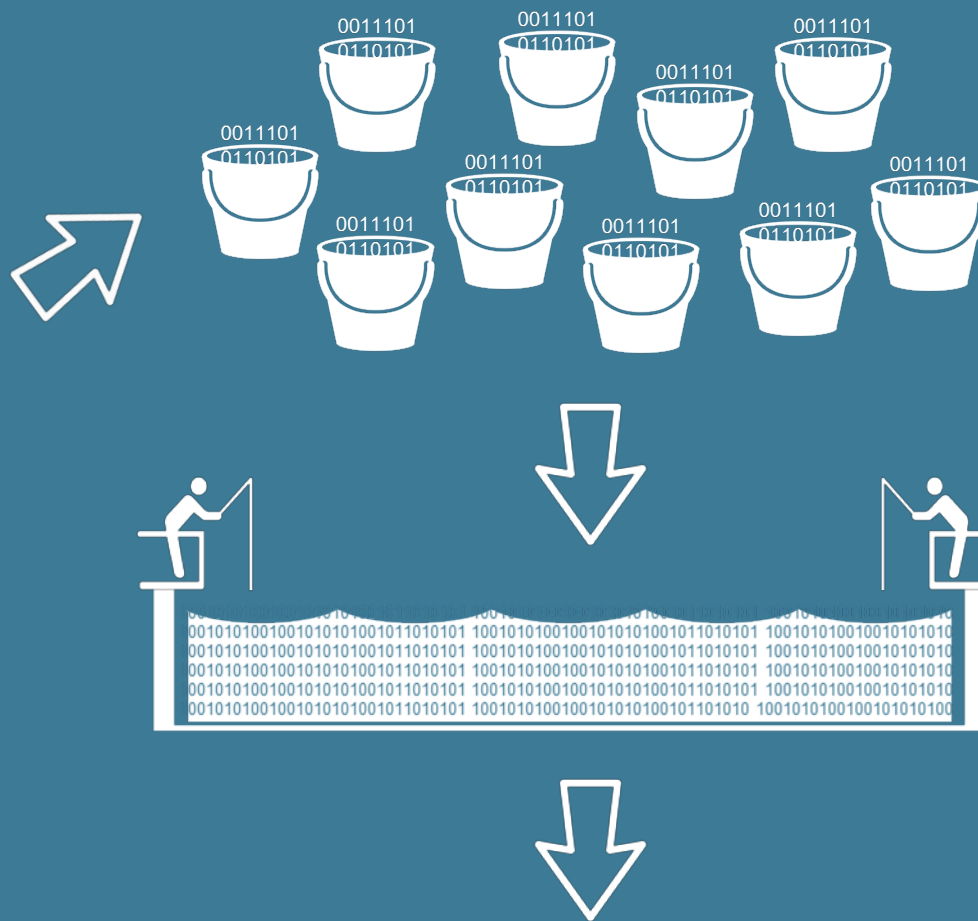
...but the sector's annual productivity
growth has only increased

1% over the past 20 years

\$1.6 trillion

of additional value added could be created
through higher productivity, meeting half
the world's infrastructure need.

Source: McKinsey Global Institute



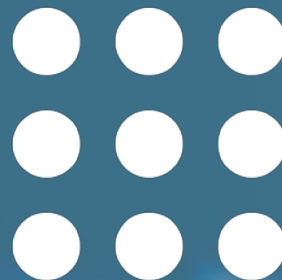
BECHTEL
BIG DATA AND ANALYTICS
CENTER OF EXCELLENCE



What We've Learned



Connect with SMEs



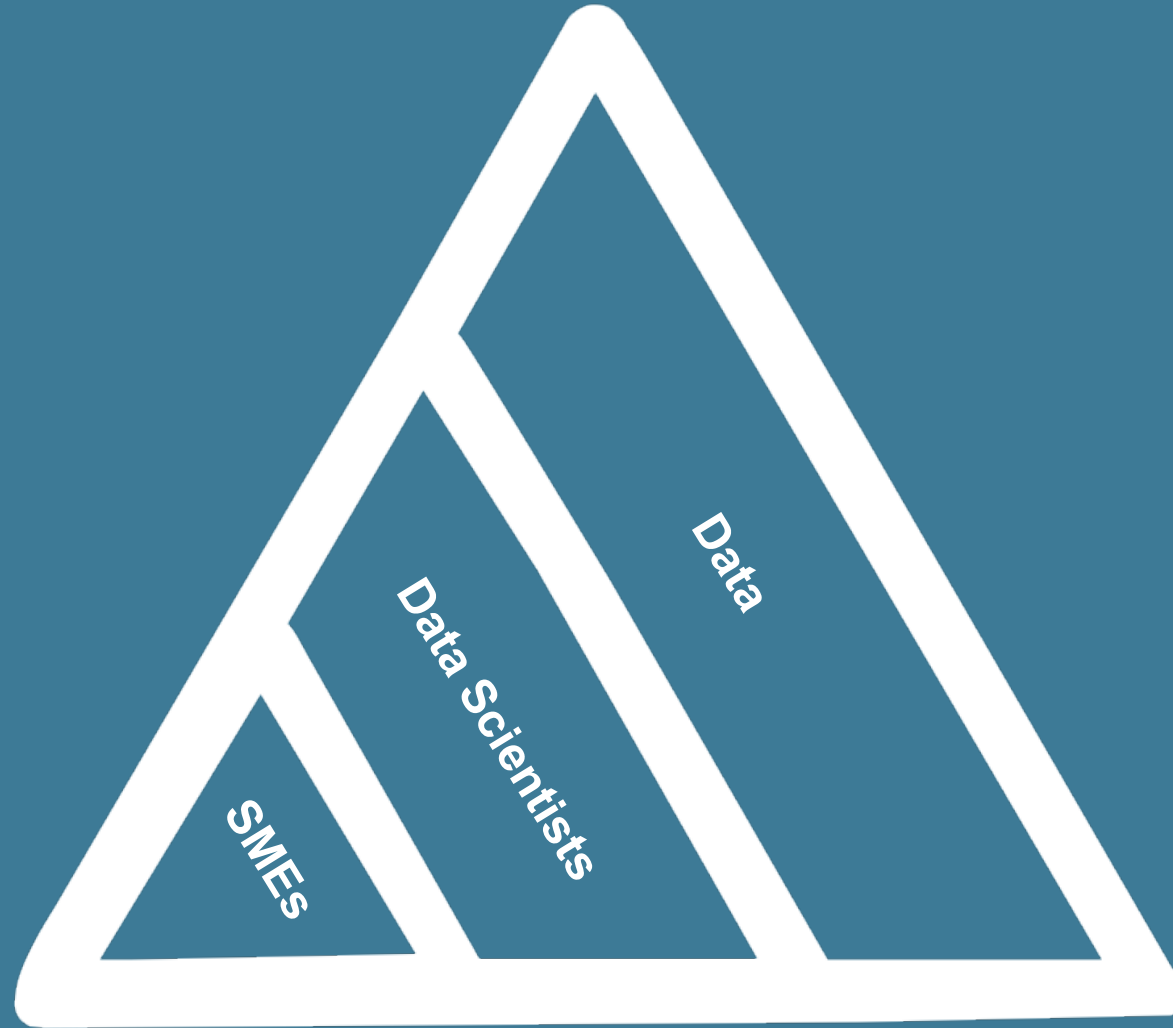
Data consistency is critical



CxO Advocacy

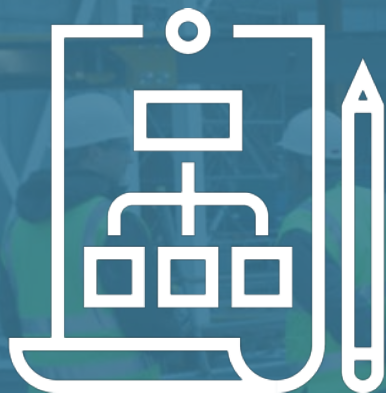


Never Forget: The Golden Triangle





Planning Alignment and Optimization



What's my plan?



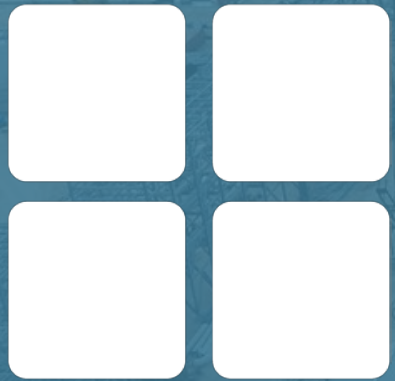
Is it reasonable and achievable?



Can I create opportunities?



Construction Sequencing



Identical LNG Trains



Inconsistent
Productivity



Construction
Sequencing



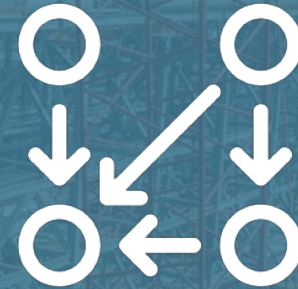
Spool Sequencing



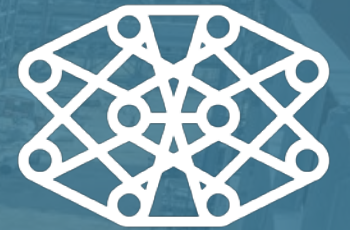
Timing



Sequencing



Dependencies



Deep Learning



We are Excited About Year 2



Safety



Data Turnover



**Managing
Uncertainty**



Questions?

