

4-6 October, Nationals Park, Washington DC

ORACLE
Construction and
Engineering



Driving success with data and process integration

Leveraging innovation to build a world-class innovation lab

 **Project Controls**
EXPO
Washington, DC - USA

(W)www.projectcontrolexpo.com/usa (M) +44 (0) 203 883 1386 (E)usa@projectcontrolexpo.com

2022

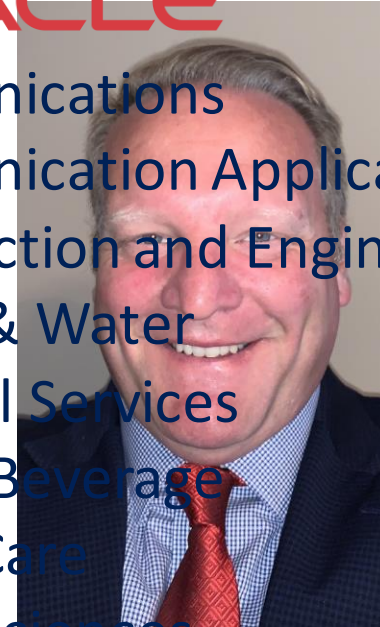
Introductions



Dan Johnson
Senior Director, Sales

ORACLE

Communications
Communication Applications
Construction and Engineering
Energy & Water
Financial Services
Food & Beverage
Health Care
Health Sciences
Hospitality
Retail
State & Local



Dave Bullard
Senior Director, Industry Innovation

Agenda

Why innovate?

Practice what you preach!

Oh, the places we'll go...

Why innovate?

Innovation's history of rising to the occasion



Michelob
ULTRA



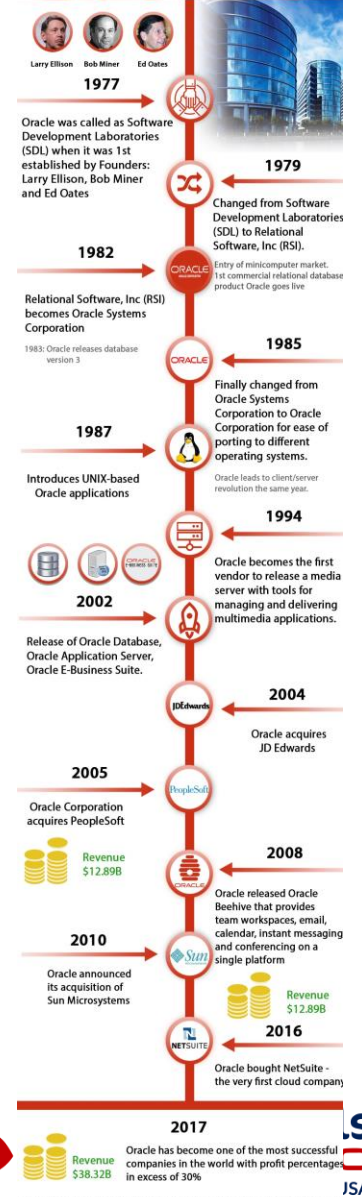
ORACLE
Construction and
Engineering

Project Controls
EXPO
Washington, DC - USA

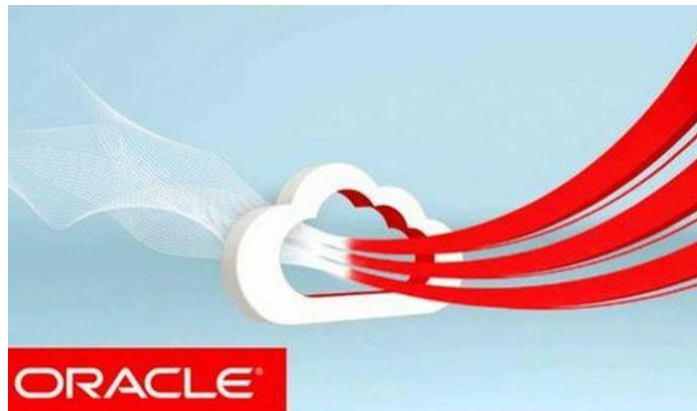
Oracle's Innovation Roadmap

- Originally launching in 1977
- 1982 'Oracle Corporation' Comes into Existence
- 1983-1990 'Rise of the Multinational Empire'
- 1991-2000 Climbing the ladder of success –
- 2001-2010 Empire continues to flourish
 - Oracle acquires PeopleSoft and Siebel
 - Oracle acquires Hyperion and BEA
 - Oracle's hardware play buys Sun Microsystems
 - Oracle Database 12c
- 2011-2018 Oracle continues to flourish
 - The rise of cloud technology
 - Oracle acquires NetSuite
- 2020 Leading the way
 - Verticalization
 - Cerner

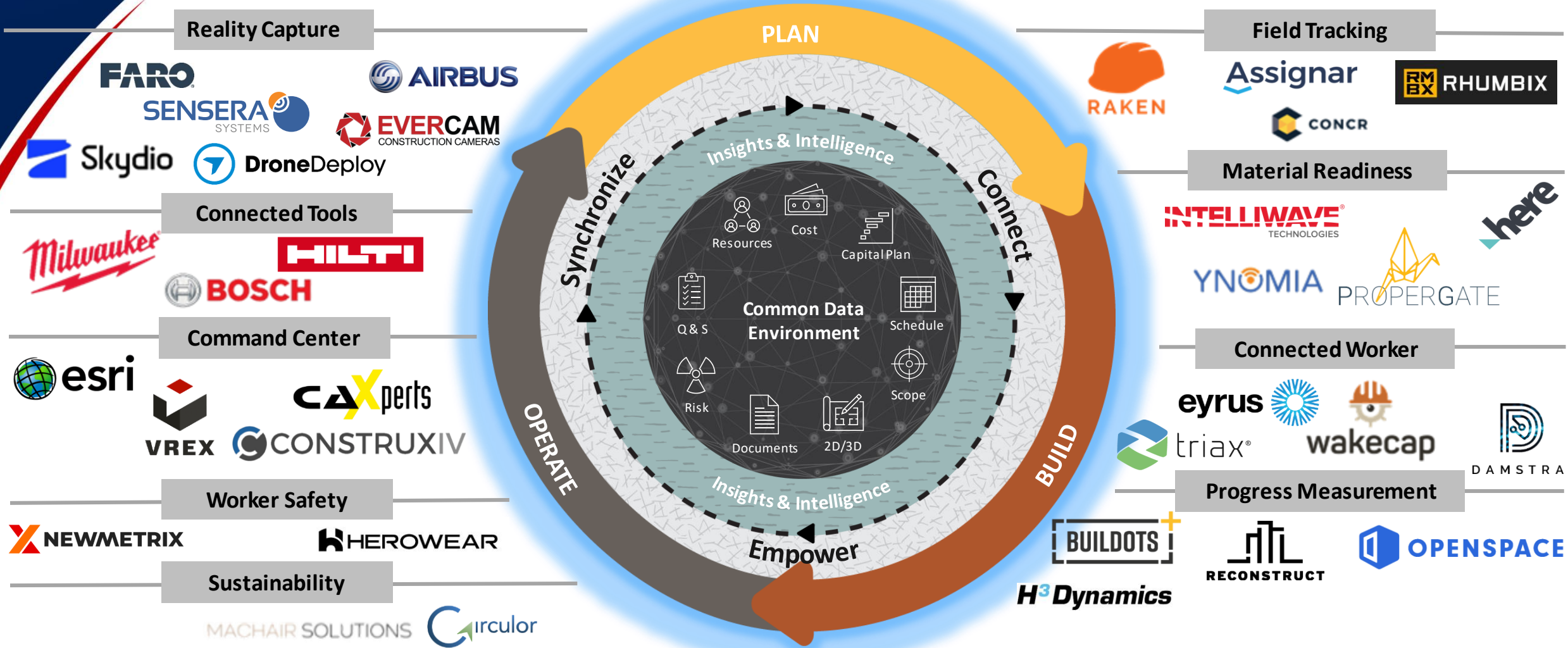
A BRIEF HISTORY OF ORACLE



ORACLE
Construction and
Engineering



Oracle's partner network ecosystem

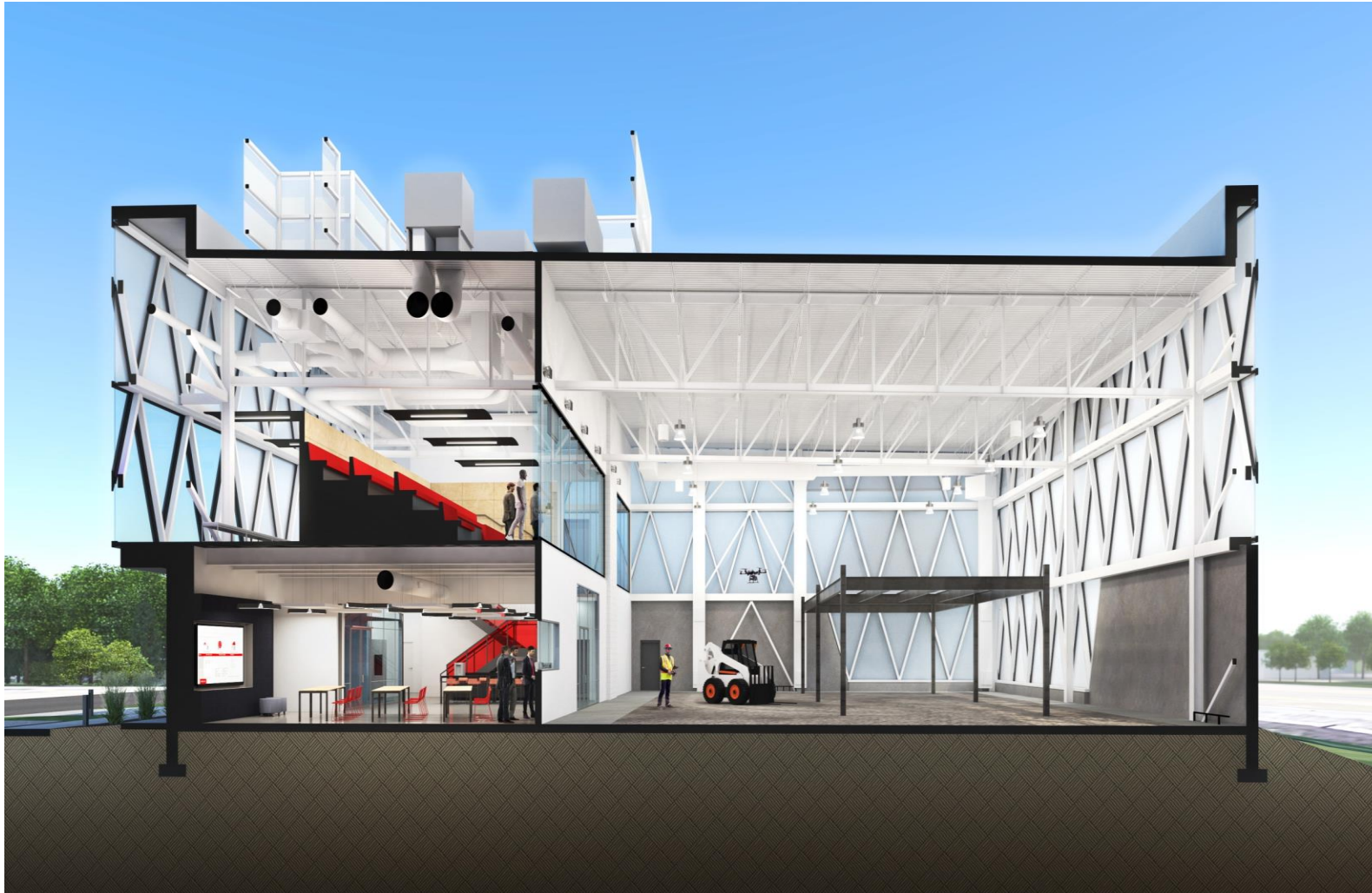


Oracle's Construction & Engineering Innovation Lab



Practice what you preach!

The vision of Phase II of our innovation lab



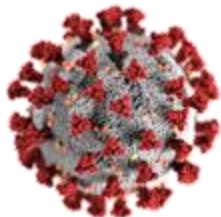
Accelerating the offsite delivery model



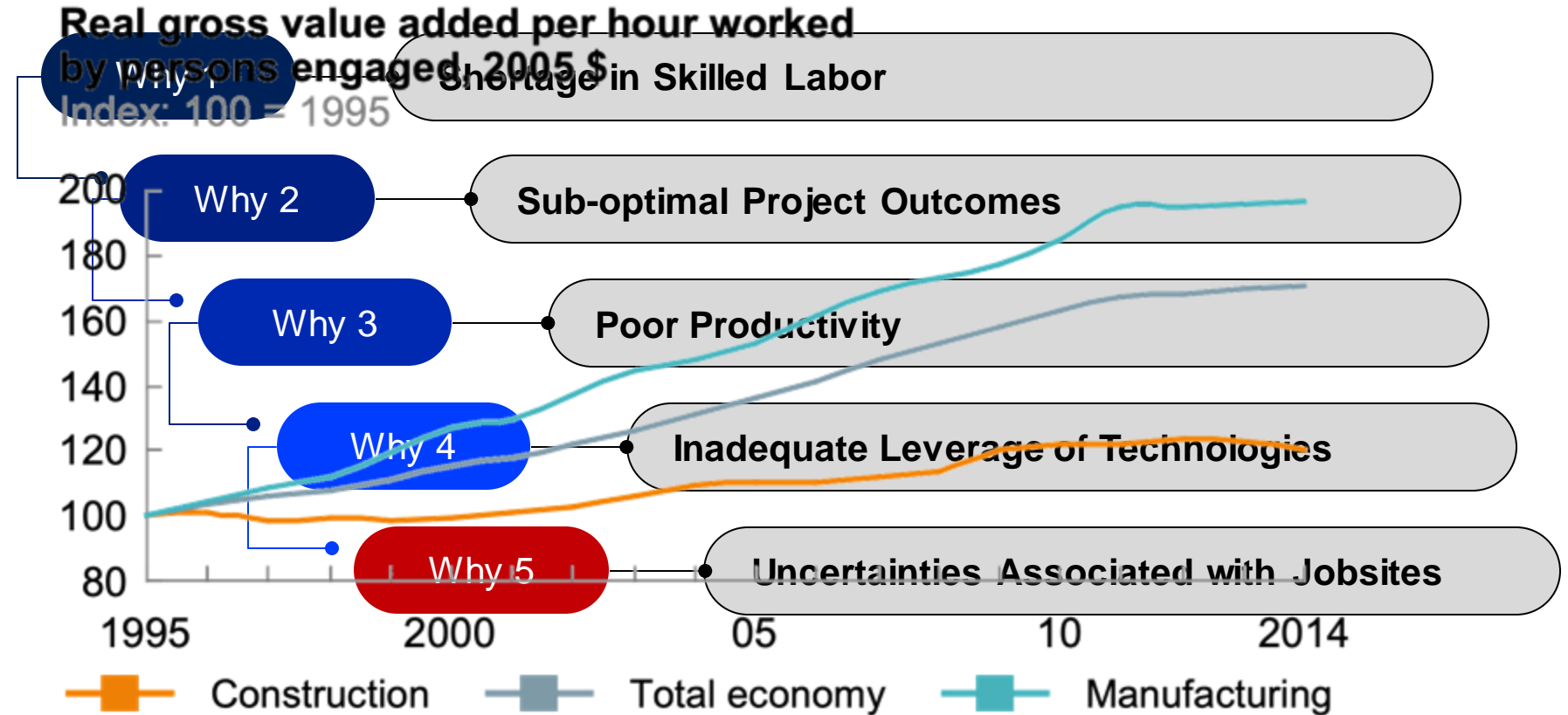
Sustainability

Social
Distancing

Supply
Chain



Anytime, Anywhere
Collaboration



"Reinventing construction: a route to higher productivity", McKinsey Global Institute, 2017

Oracle's Smart Construction Platform (SCP)



ize

Better-together ecosystem...SCP + partner solutions



"Spot"
Automated scanning
Progress
As-builts



Smart worksite cameras
Safety and security
Progress
Time-lapse record



RECONSTRUCT
AI-created 3D models
4D scheduling/modeling
Progress
Billing approvals



AI-based observations
Safety



Mesh IoT platform
Safety
Plan vs. actual



Pepper Construction case study outcomes

| By the numbers: Pepper's performance with Oracle Textura Payment Management Cloud Service | |
|---|--|
| Subcontractor invoice submission | Under a day |
| Subcontractor invoice re-submission | Under 1% |
| Subcontractor invoice approval | Under 2 days vs. more than 13 days—85% improvement |
| Subcontractor payments | 2 weeks faster, on average |
| Payment application processing time | 50% faster |
| Overall payment cycle | One week faster |

Pepper achieved a 70% increase in on-time task completion using Oracle Primavera Cloud.

"Unlike basic file-sharing applications, Oracle Aconex is meta-data driven, so we don't have to know a document title or folder name to find what we need. And, it helps to eliminate duplicate documents, improving control"

– Jorge Almazo, Project Manager,
Pepper Construction

<https://www.oracle.com/at/a/ocom/docs/industries/construction-and-engineering/pepper-construction-case-study.pdf>

The finished product!



Oh, the places we'll go!



Who is the Construction Industry Institute?



ORACLE
Construction and
Engineering

Project Controls
EXPO
Washington, DC - USA

CII Best Practices

Advanced Work Packaging
Alignment
Benchmarking & Metrics
Change Management
Constructability
Disputes Prevention & Resolution
Front-End Planning
Implementation of CII Research
Lessons Learned

Materials Management
Partnering
Planning for Modularization
Planning for Startup
Project Risk Assessment
Quality Management
Team Building
Zero Accidents Techniques

The value of CII's Best Practices

SAFETY

↩ 88%

CII Member Companies lead the industry in Safety Performance with 88% fewer injuries.

PROJECT PLANNING

\$25

Each \$1 spent on the PDRI process can save \$25 in return.

CONSTRUCTION TECHNOLOGY

30-45%

Adoption of proven technology can improve construction industry productivity by 30-45%, as well as improve material predictability and reliability.

CHANGE MANAGEMENT

11.4%

The CII Knowledge Base adds value to Change Management Practices through a 11.4% cost growth improvement.

DESIGN PLANNING & OPTIMIZATION

6.1%

High use of constructability results in 6.1% cost improvement versus low usage and reduces project schedule by 7.5%.

MATERIALS MANAGEMENT

16%

The benefits of a materials management program results in 16% schedule improvement.

[Link to "CII's Impact" webpage](#)

Enabling project delivery thought leadership



Starting with a proven tool...the PDRI

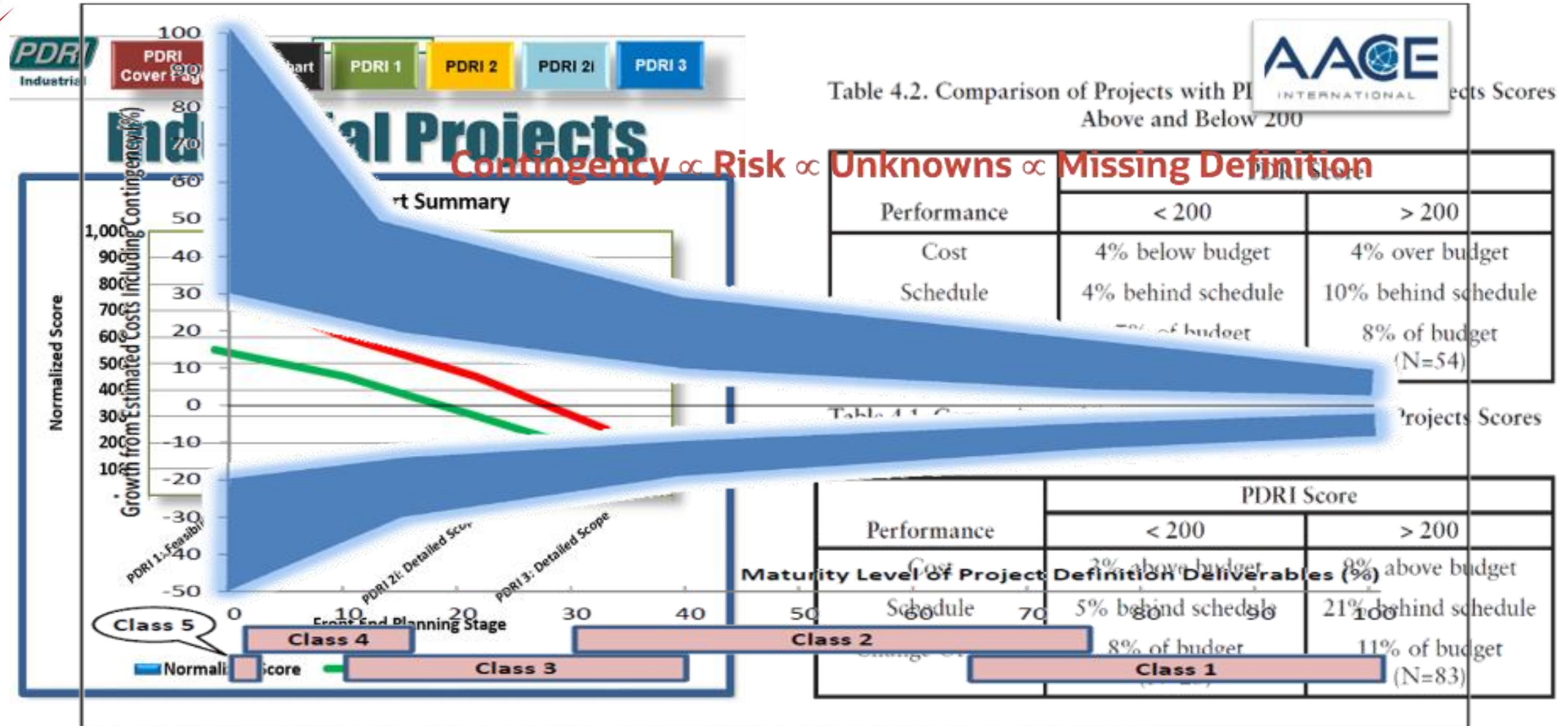
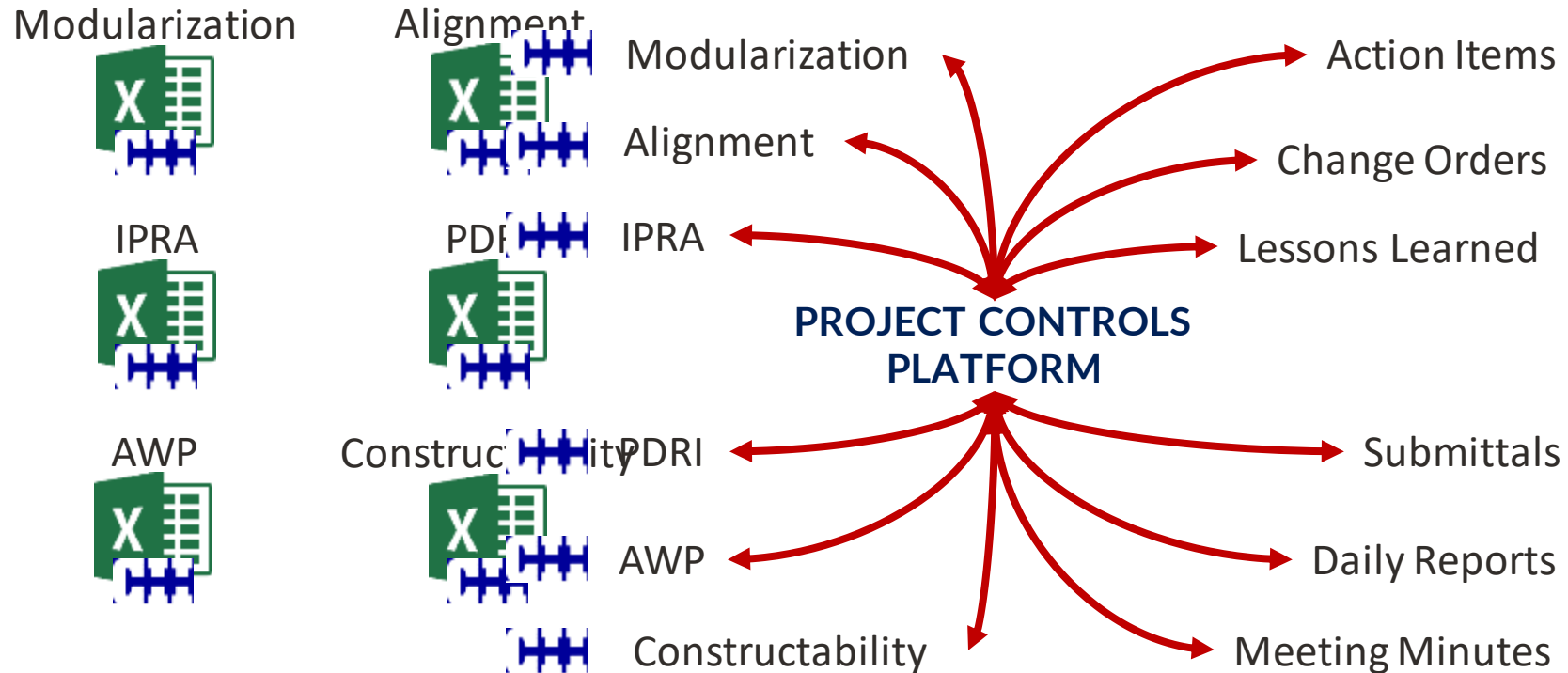


Figure 1 – Example of the Variability in Accuracy Ranges for a Process Industry Estimate

Best Practice-based integrated project controls



1. “the introduction of something new”

2. “a new idea, method or device”

Merriam-Webster online dictionary



THANK YOU

ORACLE
Construction and
Engineering

 **Project Controls**
EXPO
Washington, DC - USA