



From Chaos to Collaboration: Unlocking Project Performance Through Digital Ecosystems

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ORACLE®



“No battle plan ever survives contact with the enemy”



Helmuth von Moltke the Elder
Prussian general
Born October 26, 1800

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MEGA AND GIGA
PROJECTS ARE
UNIQUE, HIGHLY
COMPLEX
CONSTRUCTION
PROJECTS.



YOU DON'T HAVE
THE BENEFIT OF
100'S OF SIMILAR
PROJECTS TO
LEARN FROM. THE
COMPARISONS TO
MANUFACTURING
PRODUCTIVITY
ARE UNREALISTIC.



WHAT IS YOUR
ADVANTAGE?
MASSIVE
AMOUNTS OF
DATA DURING
CONSTRUCTION!



ACCESS TO DATA
BEING CREATED
ON A PROJECT
OR THAT IS
IMPACTING A
PROJECT IS
CRITICAL.



MAKING SENSE
OF THAT DATA
TO IMPROVE
PROJECT
OUTCOMES IS
IMPERATIVE.

Valuable Data Sources Impacting Project Outcomes



Planning & Pre-Construction Data

Master Schedule / Feasibility Studies / Surveying & GIS/
Design & Eng. Models / Permitting and Regulatory /
Expectations



Digital Models

BIM (Building Information Modeling) Data / Drones & Aerial
Imaging / RFID & GPS Tracking:



Procurement & Supply Chain Data

Material Procurement Records / Vendor & Supplier
Performance / Bidding & Tendering Data / Payment Data



IoT-Generated Data

Sensor Data for safety / Worker productivity / Progress



On-Site Construction Data

Schedule / Cost / Reality Capture/ Equipment & Machinery
Data / Labor Controls& Workforce Data / Weather &
Environmental Conditions / Safety & Compliance Reports



Communication & Documentation Data

RFIs (Requests for Information) / Submittals &
Approvals / Meeting Minutes & Correspondence /
Legal & Contractual Data



Financial & Cost Data

Project Budgeting & Cost Estimations:
/ Expenditure & Payment Records / Change Orders & Variations



Geopolitical

No-go zones affecting supply chain / Shortages /
Funding changes and priority shifts / New governments

We're not using the data we have...

96%

According to an FMI study, "Big Data – Big Questions in the Engineering and Construction Industry" 96% of all data collected in the AEC industry goes unused.





Reality

Over 100 data integrations are common in Mega and Giga projects.

Project owners & delivery teams are often in the “integration boat” alone and technology companies are on the outside supporting their technology alone.

The burden is on owners and delivery teams to integrate applications and manage those integrations throughout the project lifecycle.

And it may all work seamlessly together on Day 1. Then Day 2 happens.

There is a better way

Platform + Ecosystem

The platform + ecosystem advantage is the ability to reduce integration risk, accelerate delivery, and unlock new capabilities throughout the asset delivery....this is all done by the platform sponsor leveraging a network of coordinated, interoperable technology partners all aligned to a common data goal and synchronized to deliver greater performance.



Oracle Construction and Engineering Global Ecosystems

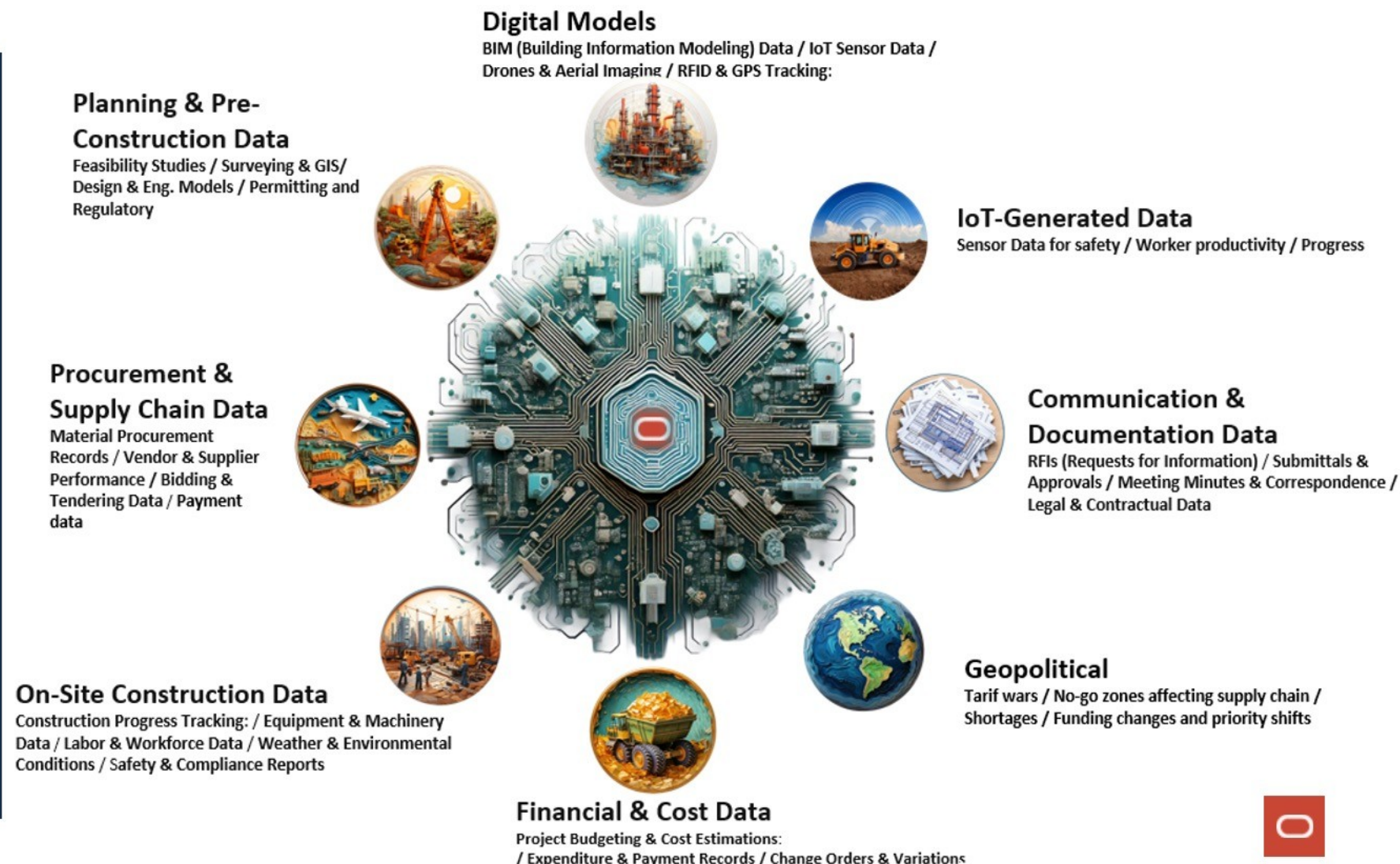
Platform CDE

Integrated data is managed in a single platform ensuring data is speaking the same “Language”.

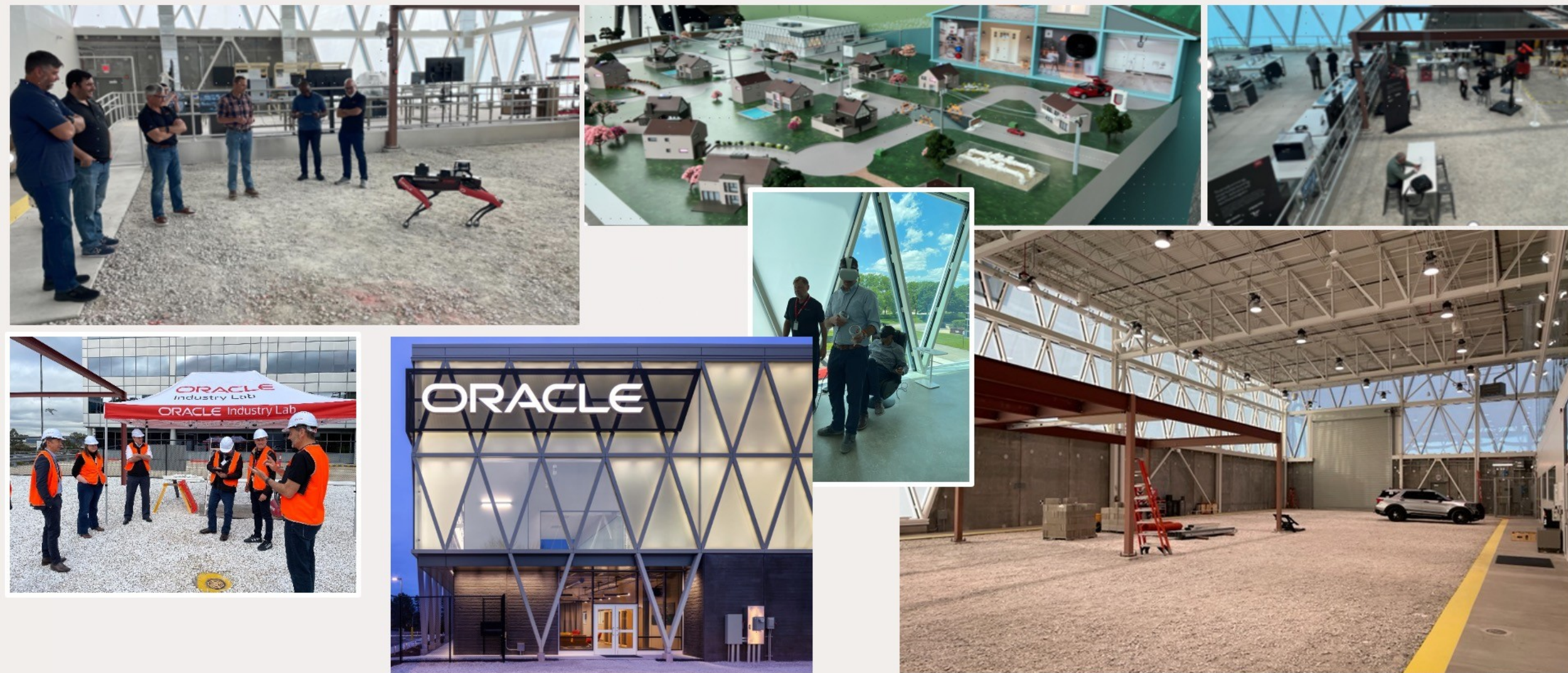
True AI and ML capability becomes a reality.

Empower teams with predictive capability, drawing from correlations no human being could do in their lifetime.

All in a secure, scalable, and sustainable technology ecosystem.



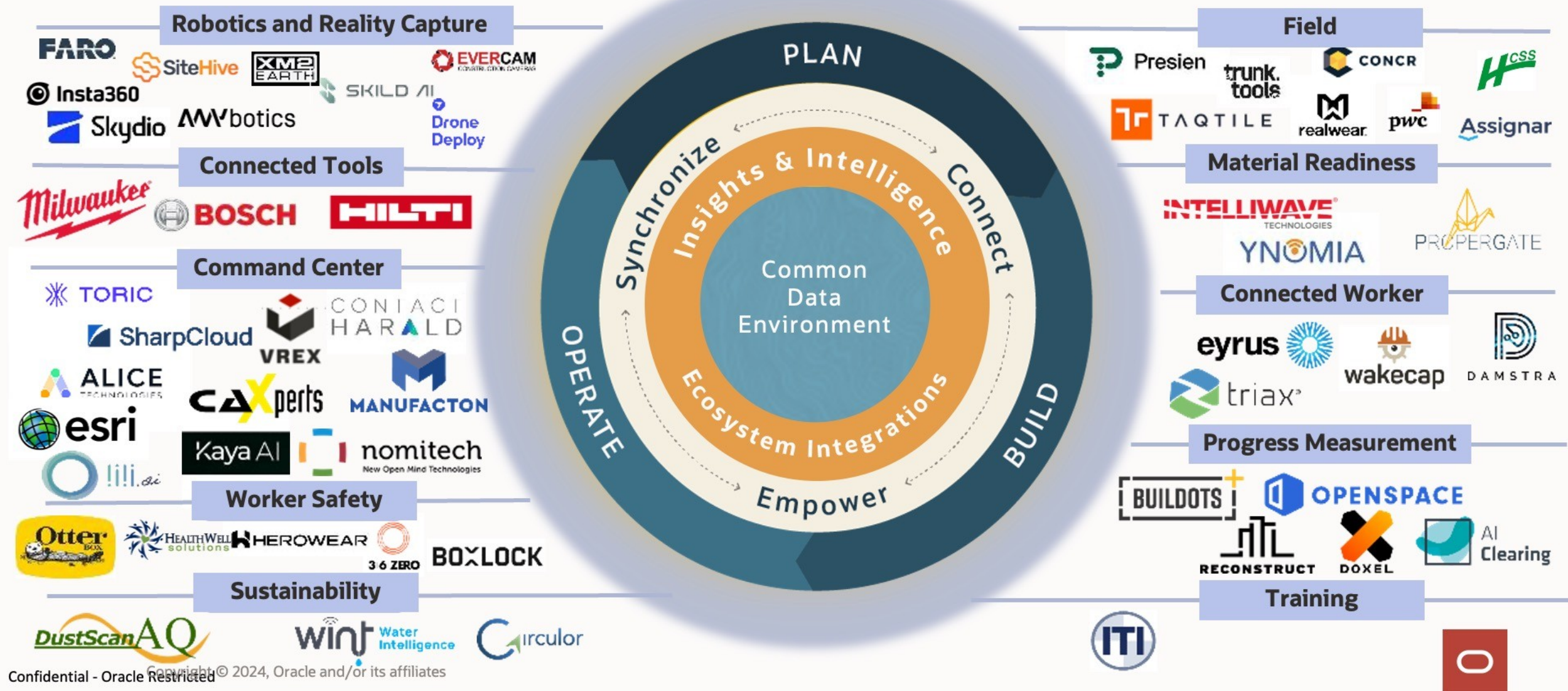
Oracle's Industries Innovation Labs



Oracle Construction Technology Partner Ecosystem Program

Industry best practice solutions contracted and provisioned easily with rapid deployment service offerings that deliver transformative performance

Oracle Industries for Construction Platform



Oracle Construction and Engineering Industry Solutions

Next Generation Project Execution



**Advanced
Work
Packaging**



**Project Driven
Supply Chain**
(coming FY26)



**Offsite
Construction**



**Fusion PLM
Schedule**
(coming FY26)

Sector Solutions



**Transportation
Capital Programs**
(coming FY26)



**Utility New
Services**
(coming FY26)

Construction Contract Standards



NEC4
Contract Clause
Compliance



FIDIC
Contract Clause
Compliance
(coming FY26)



AIA
AIA Form &
Process Compliance



**Project Quality
Assurance**
Reality Capture
Issues / Progress



Brownfield Asset
Digitizing your assets
(coming FY26)

Best Practice Methods



PMI-DCP
Best-in-class process
with Oracle technology



CII Standards
Forms Data & Process
in Oracle technology
(coming FY26)