

ORACLE

Real AI for real value in construction & engineering

Lessons from the field

Oracle AI Webinar Day

ORACLE
Construction and
Engineering

Speaker



Josh Kanner

Senior Director,
Product Management
AI & Analytics

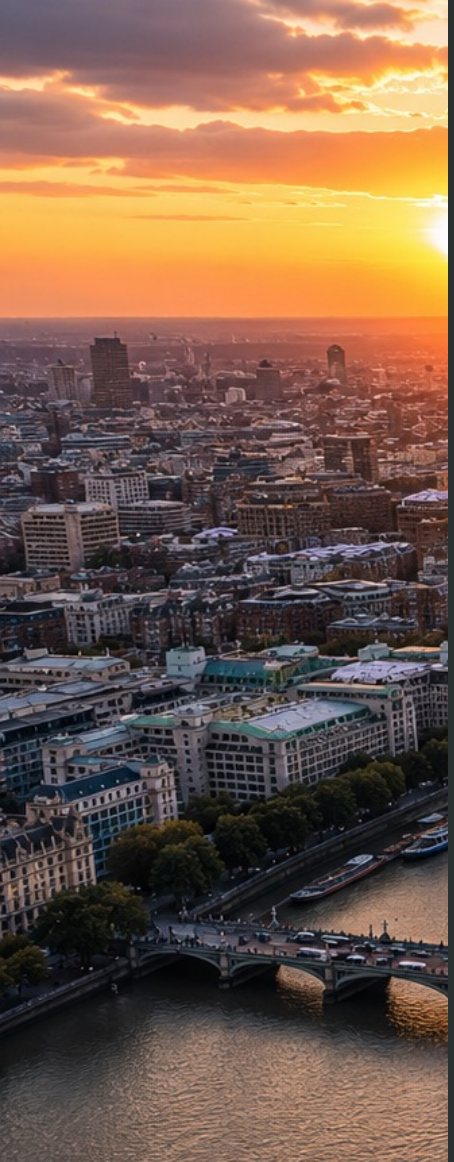
Oracle Construction & Engineering

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.





An aerial photograph of a city at sunset. The sun is low on the horizon, casting a warm orange glow over the city. The sky is filled with soft, golden clouds. The city below is densely packed with buildings, and a river flows through the foreground with a bridge crossing it. The overall scene is peaceful and scenic.

Poll: Is your firm implementing AI for project and/or program delivery today?

ORACLE

Our mission is to help people see
data in new ways, discover insights,
unlock endless possibilities.



We are investing billions to meet the rapidly growing demand for artificial intelligence (AI) and cloud services across the globe.

8.5b | 18zf

Oracle's capex investment in the first quarter alone of 2026*

18 zettaflops of new AI compute coming online from Oracle in '26

- Oracle Named a Market Leader in AI Agents and Conversational AI 2025 ISG Research Buyers Guides for AI Agents and Conversational AI for Workforce
- Oracle Recognized as a Leader in the 2025 Gartner® Magic Quadrant™ for Strategic Cloud Platform Services
- Oracle Named a Leader in the 2025 Gartner® Magic Quadrant™ for Analytics and Business Intelligence Platforms
- Oracle Recognized as a Leader in the 2025 Gartner® Magic Quadrant™ for Distributed Hybrid Infrastructure



“Today, we are faced with a once-in-a-generation moment where AI changes everything, and all of our collective innovations along the way serve as the foundation for our AI platform moving forward.”

Mike Sicilia
Chief Executive Officer
Oracle



Oracle for Construction and Engineering

Deep industry expertise combined with the world's leading technology

ORACLE CONSTRUCTION AND ENGINEERING INDUSTRY APPLICATIONS

Field /
Operations

Primavera Portfolio

Portfolio Management
& Capital Planning

Primavera Schedule

Scheduling, Resource
& Risk Management

Aconex

Construction Management
& Collaboration

Textura

Payment Management

Primavera Unifier

Capital
Program Management

CONSTRUCTION & ENGINEERING INTELLIGENCE - PRECONFIGURED AI ASSISTANT & INSIGHTS

Advisor

Predictive Safety, Schedule, Collaboration, Cost, & Quality

Analytics

Descriptive dashboards pre-connected for speed to value

ORACLE BUSINESS APPLICATIONS

Back Office /
Business

Enterprise Resource
Planning

Supply Chain
Management

Customer
Experience

Human Capital
Management

Enterprise Performance
Management

ORACLE CLOUD INFRASTRUCTURE

IT / Cloud

Oracle AI (Cohere, Gemini, Grok, Llama, OpenAI)

Oracle Integration Cloud

Azure Interconnect

150+ Cloud Services

Global Public Cloud

Multi cloud w AWS, Azure, GCP

Dedicated or Sovereign cloud regions

PARTNER
ECO-
SYSTEM

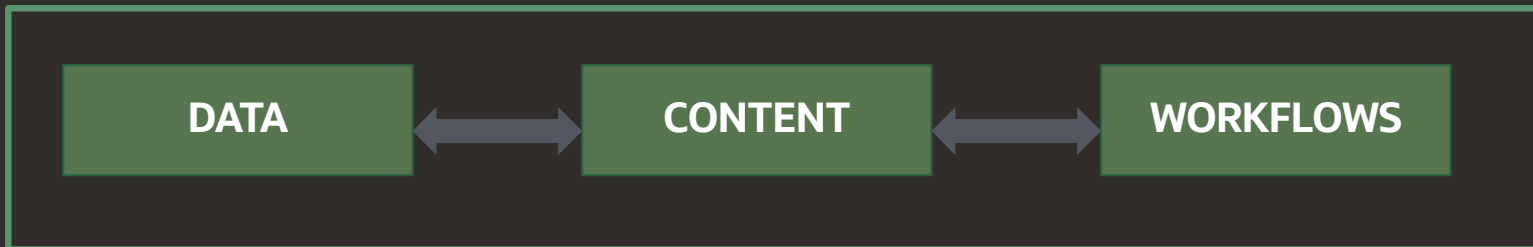
ISV
Applications

Marketplace
Applications

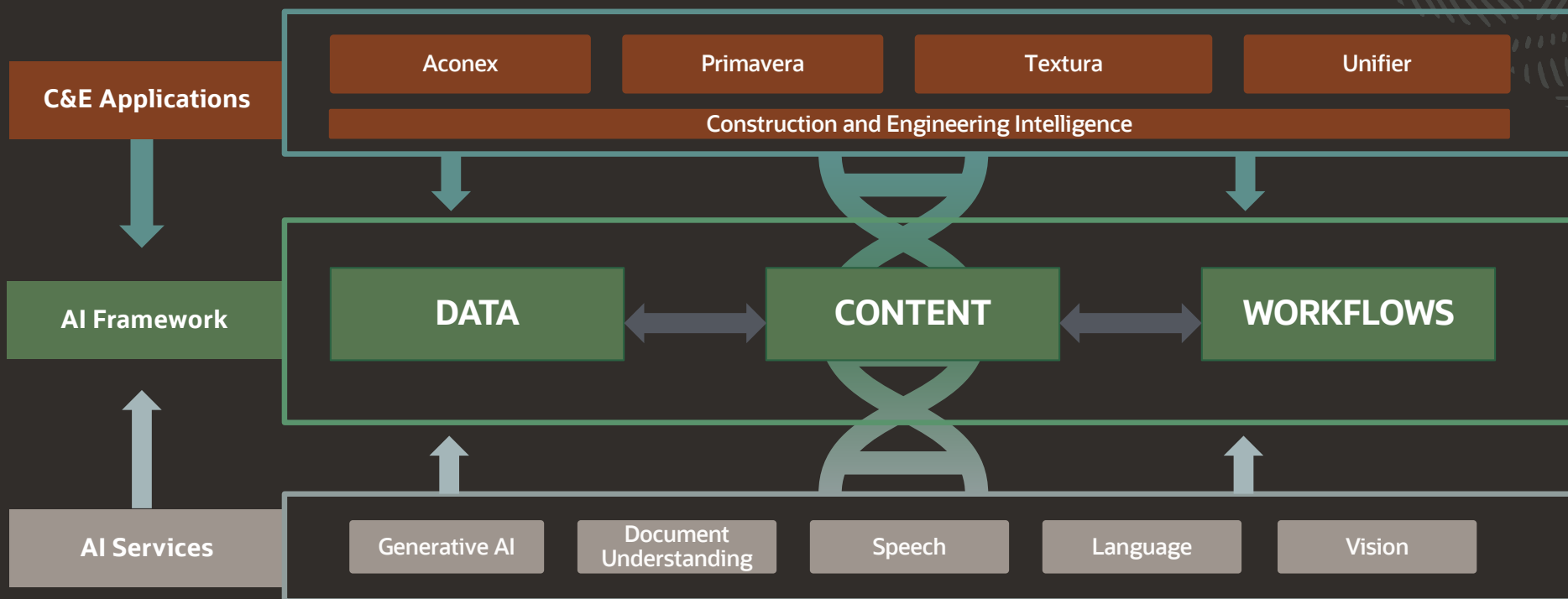
Systems
Integrators



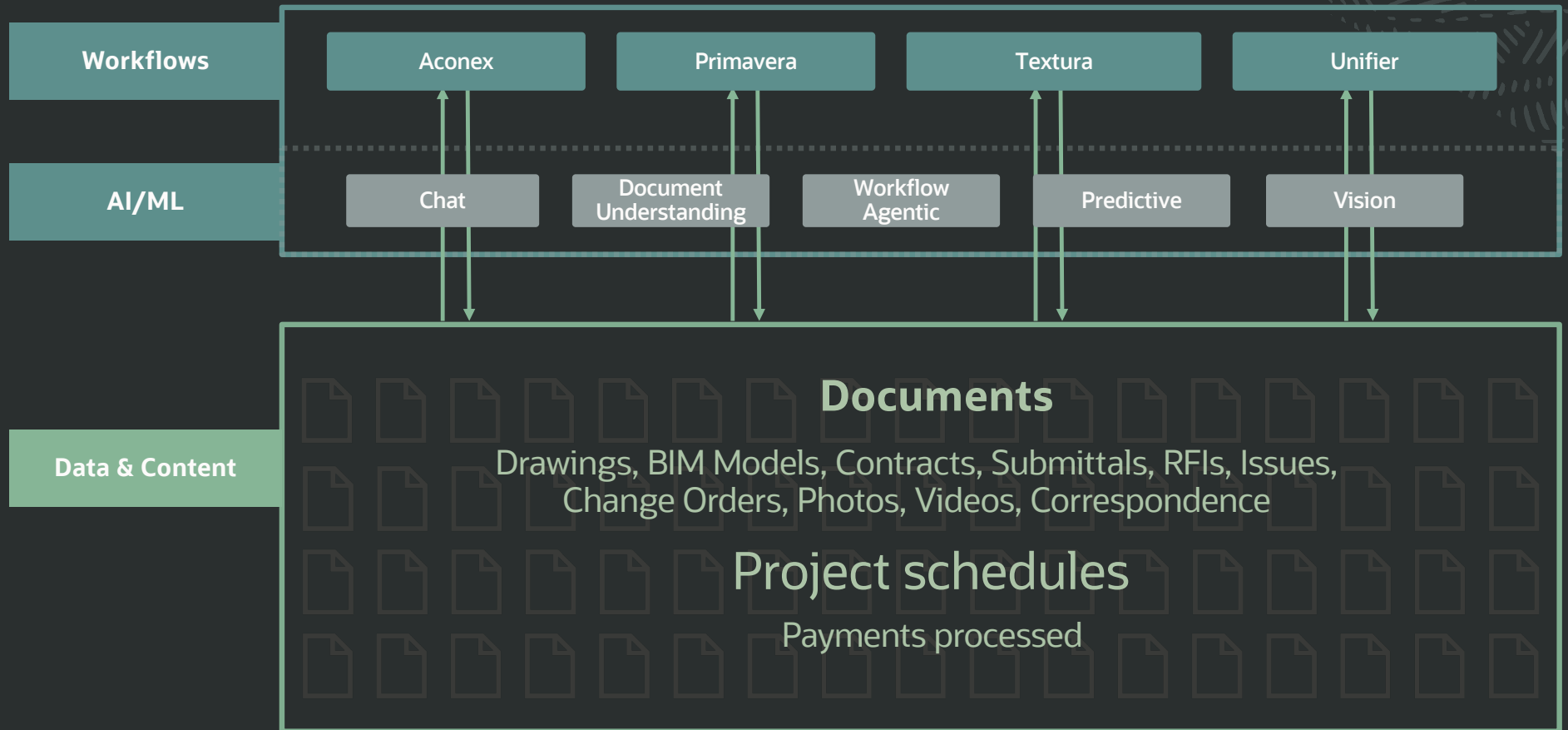
THE CONSTRUCTION and ENGINEERING AI FRAMEWORK



Why Construction and Engineering? Where technology meets Industry expertise



AI tech applied to data across the CE applications



Accelerate Project Delivery with Oracle's AI-Driven Solutions

AI-powered workflows and generative insights secured by Oracle's enterprise-grade infrastructure



**Improve
productivity**



**Retain
knowledge**



Leverage skills



Take action

Oracle Primavera Cloud

SCHEDULE GENERATION FROM RFP CONTENT

- Saves time by evaluating RFP document content, summarizes the information and develops the initial preliminary schedule.

OPC HELP

- Gives instructions in response to natural language queries, which helps users -- especially ones that are not in the solution every day.

The screenshot displays the Oracle Primavera Cloud interface. At the top, the navigation bar shows 'Primavera Cloud' and the project name 'STATE UNIVERSITY DINING SERVICES BUILDING'. The main content area is titled 'Document Summary' and contains two sections: 'Basic Project Information' and 'Summary Schedule Information'. The 'Basic Project Information' section lists details such as Project Name, Location, Owner, Architects, Project Type, and Contract Type. The 'Summary Schedule Information' section lists key dates like Proposal Issued Date, Pre-Proposal Meeting Date, and Estimated Construction Start Date. A 'Generate Schedule from Summary' dialog box is open on the right, allowing users to select activities to include in the generated schedule. The dialog box has a title 'Generate Schedule from Summary' and a subtitle 'Choose the activities that you want to include in the generated schedule. Default activity selections are based on information from the document summary.' The dialog box contains a list of activities with checkboxes, organized into categories: Administrative, Construction, and other. The 'Administrative' category includes activities like Award, Final Completion, Issue RFP, Notice to Proceed, Pre-Proposal Meeting, Proposal Due, Start Construction, and Substantial Completion. The 'Construction' category includes activities like AHJ Inspections, Ceilings, Commissioning, Conveying Equipment, Construction Cleaning, Demolition, Drainage, Drywall & Finishes, and Enabling Work. The 'Generate' button is highlighted in red.

Basic Project Information	
Project Name	STATE UNIVERSITY DINING SERVICES BUILDING
Location	Pierre, SD
Owner	State University
Architects	RGG Architects, Inc.
Project Type	New Construction
Contract Type	Guaranteed Maximum Price (GMP)
Project ID	STATE UNIVERSITY DINING SERVICES BUILDING
Estimated Construction Cost	approximately \$32,000,000
Engineers	Pierre ESG, Inc.
Facility Type	Higher Education/Research
Delivery Method	Construction Manager at Risk (CMAR, CMR, CM@R, CM@r)

Summary Schedule Information	
Proposal Issued Date	April 23, 2025
Pre-Proposal Meeting Mandatory Site Walkthrough	May 16, 2025
Proposal Due Date	June 6, 2025
Estimated Construction Start Date	August 1, 2025
Substantial Completion Date	July 15, 2026
Pre-Proposal Meeting Date	May 2, 2025
Close of Q&A	May 16, 2025
Award Date	June 20, 2025
Estimated Construction End Date	June 30, 2026
Final Completion Date	August 31, 2026

Generate Schedule from Summary

Choose the activities that you want to include in the generated schedule. Default activity selections are based on information from the document summary.

- Administrative
 - Award
 - Final Completion
 - Issue RFP
 - Notice to Proceed
 - Pre-Proposal Meeting
 - Proposal Due
 - Start Construction
 - Substantial Completion
- Closeout
 - Punchlist
- Construction
 - AHJ Inspections
 - Ceilings
 - Commissioning
 - Conveying Equipment
 - Construction Cleaning
 - Demolition
 - Drainage
 - Drywall & Finishes
 - Enabling Work

Cancel Generate

AI for Oracle Primavera Unifier: Business Process and Workflow Summarizers

BUSINESS PROCESS SUMMARIZATION

- Summarizes Business Processes (ex: a group of change orders, or issues) to be able to understand the topics involved without clicking into each one

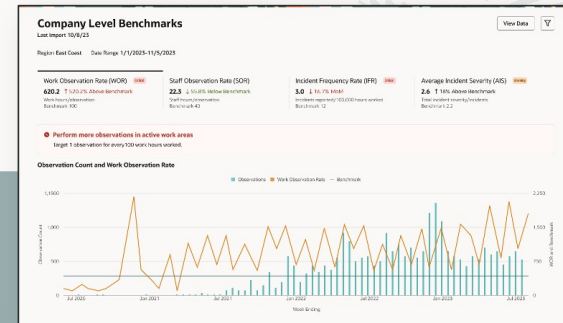
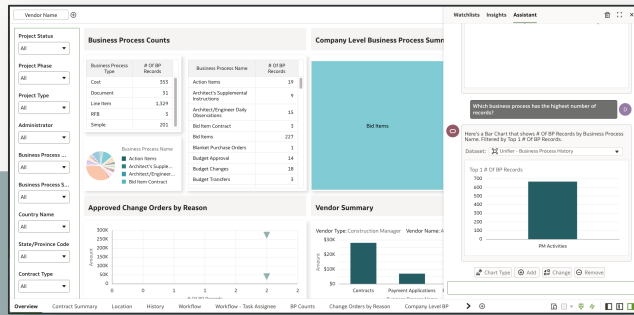
WORKFLOW SUMMARIZATION

- Gives a day-in-the-life of a record to be able to determine workflow path, bottlenecks, current status, next steps, etc

The screenshot shows the Oracle Primavera Unifier interface. At the top, there are navigation elements: "North America", "Oracle", and "PRJ019". Below that, a breadcrumb trail reads "Wood Shores > JHC Faculty Building > PRJ001". A toolbar contains icons for "View: All Records", edit, refresh, print, search, and help. A table is displayed with columns for "Vendor Name" and "Amount". The table contains several rows, including one for "Cartwright Inc Design" with an amount of "\$1,500.00". A "Summary" pop-up window is overlaid on the table, containing the text: "Generated by AI" and a detailed description of an incident involving a reported issue with a deleted category value.

		Vendor Name	Amount
From CSV Template...			
From Microsoft Excel Template..	low	Cartwright Inc Design	\$1,500.00
Test LIC from Test PCO	123456798 Test 3	Bashirian, Kemmer an...	\$0.00
Contract 19 Test	123456798 Test 3	Bashirian, Kemmer an...	\$0.00
test	123456798 Test 3	Bashirian, Kemmer an...	\$0.00
5	111 Test Change order	Bashirian, Kemmer an...	\$0.00
4	111 Test Change order	Bashirian, Kemmer an...	\$0.00
CO creation 2	111 Test Change order	Bashirian, Kemmer an...	\$0.00

Construction and Engineering Intelligence and AI



AI Powered Descriptive / Historic



AI Powered Predictive / Forecast

ORACLE

Construction and Engineering
Analytics

Generative AI visualizations and dashboards
providing insight across projects

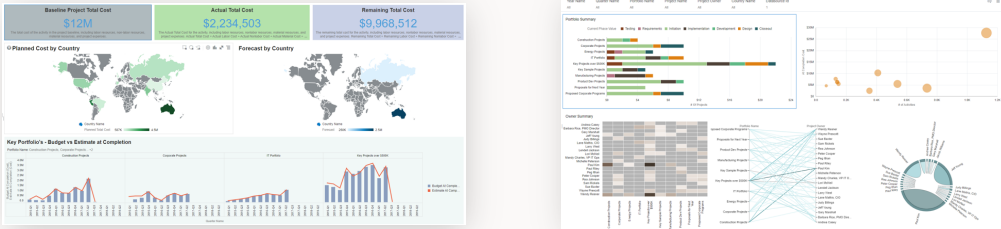
ORACLE

Construction and Engineering
Advisor

Predictive intelligence & recommendations
proactively optimize safety across projects



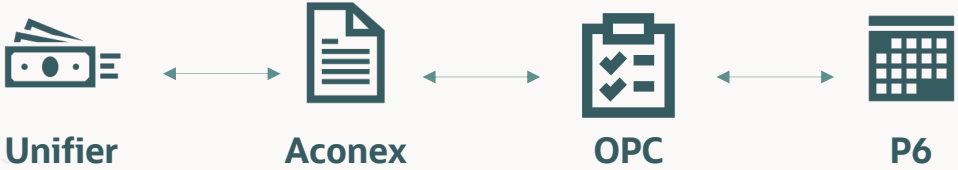
CE data is transformed into “AI-powered” decision support



AI-powered insights



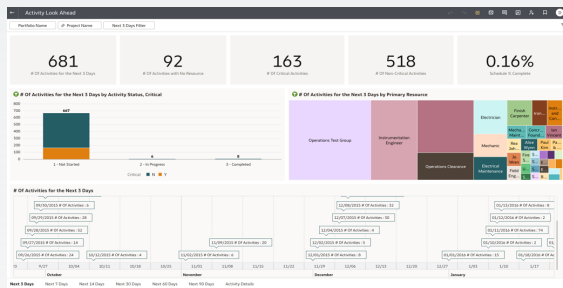
Data Ingestion



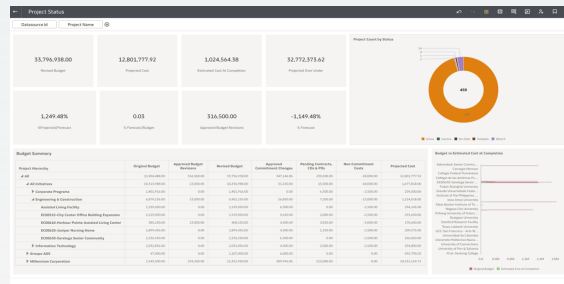
Analytics: Integrated, data driven decision making at your fingertips

Leverage industry best practices to drive your business forward using project data

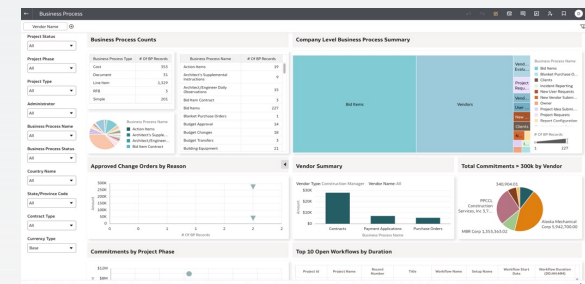
ORACLE Construction and Engineering Analytics



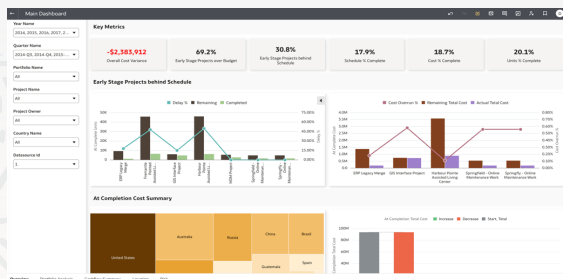
Activity Look Ahead



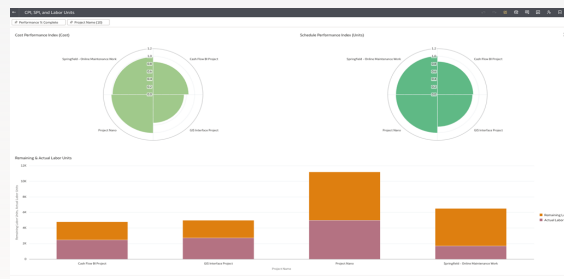
Project Status by Cost



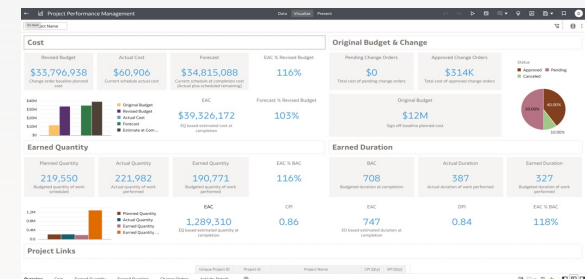
Business Process Overview



Schedule and Cost Analysis



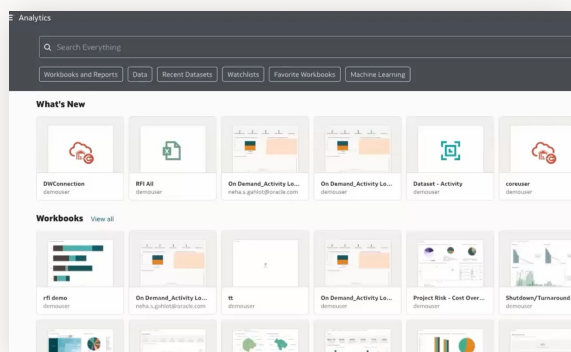
CPI/SPI/Labor Units



Performance Management

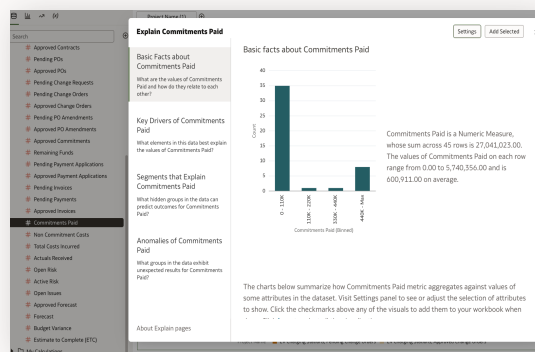


Examples of AI Powered Features in CE Analytics



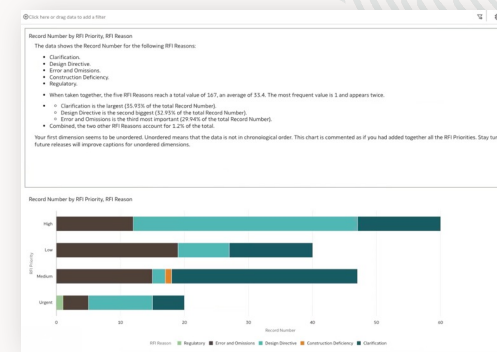
Home Page Ask & AI Assistant

Simply ask questions about your data and get answers. Instantly access and generate relevant visualizations.



Explain

AI generated visualizations explain the details of fields, including anomalies, patterns, etc.

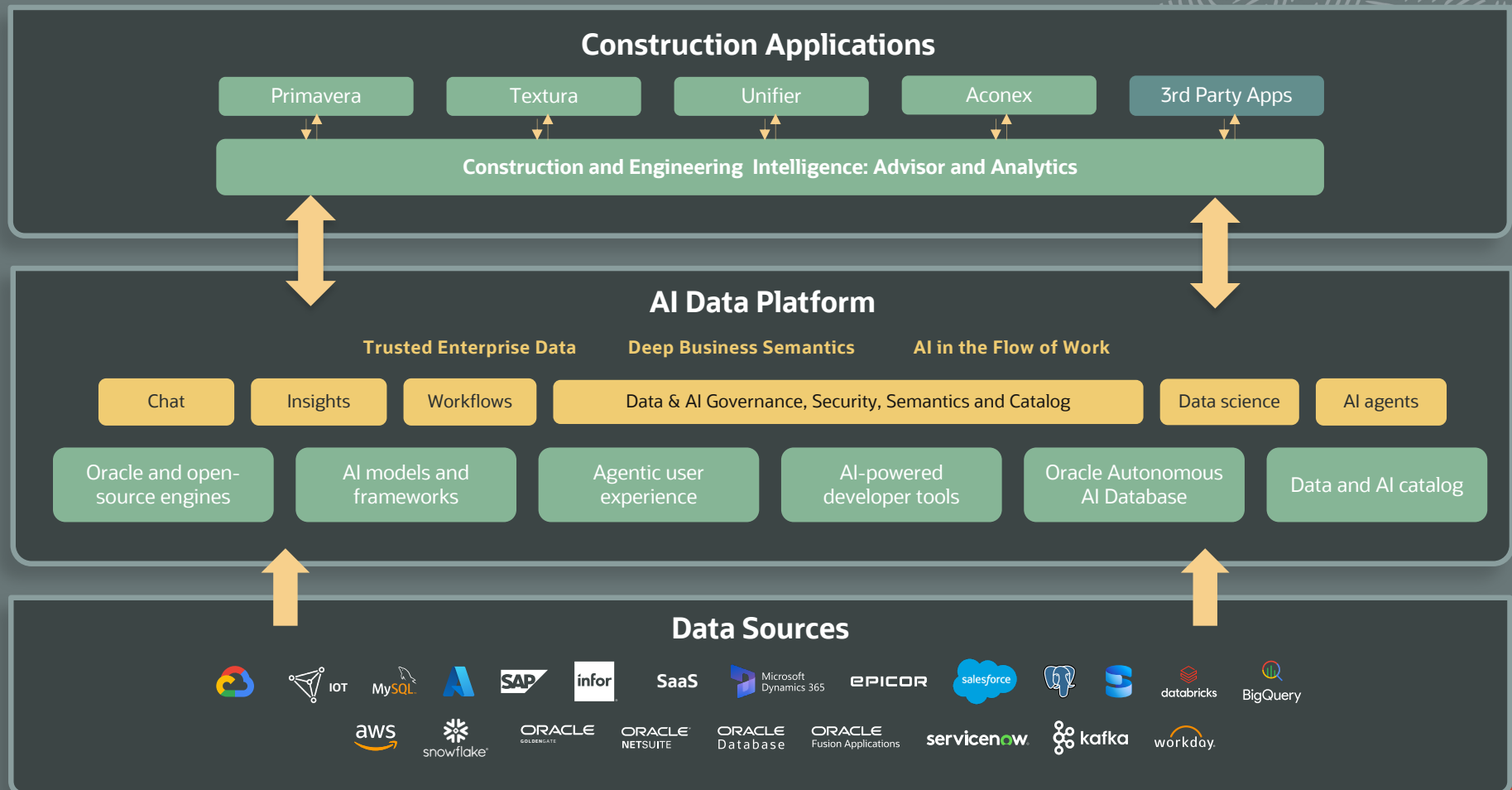


Language Narrative

Instantly add a narrative to a dashboard to further explain a visual.



Oracle AI Data Platform | Construction and Engineering



Advisor for Safety: Predictive Safety Analytics

BUSINESS VALUE:

- Moves enterprise safety programs from being reactive to proactive.
- Identifies safety hazards and predicts the projects at greatest risk of a safety incident.
- Provides recommendations for risk mitigation.

The screenshot shows the 'Weekly Safety Risk Forecast' dashboard in the Construction Intelligence Cloud. The dashboard is titled 'Weekly Safety Risk Forecast' and indicates it was last imported on 7/7/24. It displays a table of project risk ranks ending on July 14, 2024. The table has three columns: Risk Rank, Project, and Change. The projects are ranked from 1 to 11. The second project, '151464 - Voice Tower', is highlighted in blue and shows a change of -11 with an upward arrow. To the right of the table is a 'Priorities and Actions' section with several items, each with a risk level indicator (High, Medium, Low, No Action) and a description of the action to be taken.

Risk Rank	Project	Change
1	151634 - Employment Tower	0
2	151464 - Voice Tower	-11 ↑
3	151304 - Solution Restoration	-2 ↑
4	151714 - Competition Program Management	2 ↓
5	151584 - Tongue Project	1 ↓
6	151344 - Decision Residences	-2 ↑
7	151644 - Estate Rehabilitation	0
8	152064 - Music Tenent Improvement	-9 ↑
9	152094 - Curve Residences	-6 ↑
10	151804 - Prison Project	-1 ↑
11	151574 - Literature Tower	2 ↓

Priorities and Actions

- High** Incidents: Wkly All Incident Rate
Raise awareness of recent incidents with all project employees. The project is 3.6 times more likely to have another incident this week.
- High** Observations: Worker Obs. Rate
Perform more observations in active work areas. Target at least 1 observation per 150 worker hours.
- High** Photos: Work at Height
Perform observations targeting work at height activities. Raise awareness of the increased risk associated with working at height with all employees working in the area.
- Medium** Observations: Avg. Risk Factor
Ensure that all hazards identified in observations from the past week have been addressed.
- Medium** Labor: Foreman Ratio
Increase the number of foremen as a portion of the total labor force. Target 3.3 or fewer worker-days per foreman day.
- Low** Photos: Housekeeping
Jobsite imagery shows good housekeeping practices, clear floors no piles of material.
- No Action** Labor: Safety Ratio



ENR Webinar March 2026

WEBINAR

ENR ORACLE
Engineering News-Record Construction and Engineering



From Experimentation to Impact: The Fastest Path to Enterprise AI Value in Construction

ORACLE
Construction and Engineering

accenture
th3rdcurve

Lessons shared...



Simon Taylor

Co-founder,
th3rdcurve

*Identify your
priority business
areas and get
executive support
for AI*



Stephen Pester

Principal Director,
Infrastructure & Capital Projects,
Industry X, Accenture

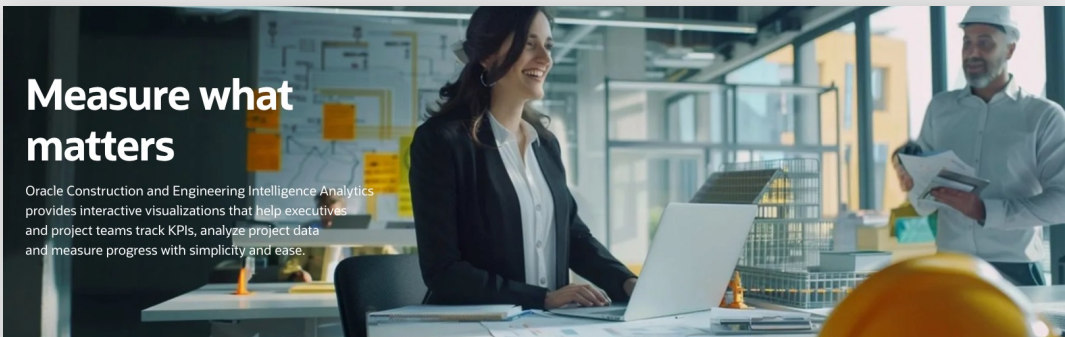
*Don't wait for your
data to be perfect
to start your AI
journey!*

More lessons learned

1. Governance is key – what is your organization’s AI policy and how is it communicated to your teams? How are you managing your AI initiatives from a priority, security, and “selection criteria” standpoint?
2. Work with your vendors to understand their AI footprints – what is configurable?
3. Data sovereignty is critical in the public sector – where are your data going?
4. Data and application security extends to AI as well – what and how are permissions and roles maintained in a new “AI-driven” application footprint?

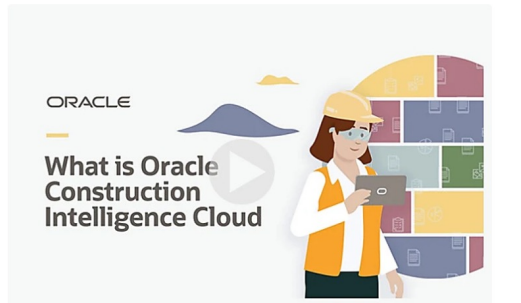
Learn more

engage.oracle.com/ceanalytics



Data driven decision making for everyone in your organization

Construction Intelligence Cloud Analytics makes it easier to transform, visualize and share the data from your Construction and Engineering applications. With pre-built data pipeline and risk based dashboards, CIC Analytics delivers an enterprise-grade business intelligence platform that caters to the specific needs of today's busy construction professionals.



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