



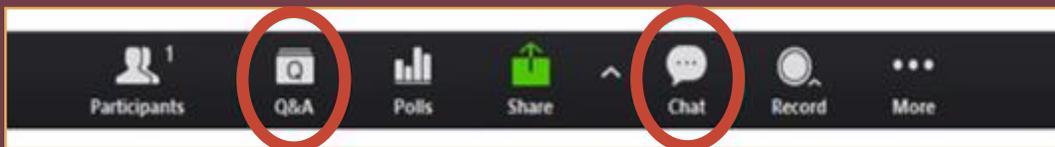
Mining Industry Solution

My name is Cedric and I am a part of the Oracle cross Global Business Units (xGBU) Sub-Sharan Africa team. Here to support you alongside my Regional Sales Team.

I am a recognized valiant foot soldier offering a unique blend of more than 20 years progressive executive acumen, leadership and IT solution sales and development - putting Revolutionary Technology in the Hands of Great Business People to manage information & processes across projects and businesses. I am a member of PMI and have been at Oracle is 2016.

There are 8 autonomous Global Business Units inside Oracle. Each one is set up to solve industry specific problems and has expert DNA built in. You've got one for Retail, Communications, Food & Beverage, Hospitality and Utilities. And of course we're here today to talk about "Construction and Engineering".

Do you have questions?
Please use the **Q&A** or **Chat** function



Cedric Tsiga

GBU Africa Regional Manager, East Africa



@ctcedric
@OracleConstEng



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.

Support Across The Mining Value Chain



A decorative graphic of a fingerprint is positioned in the upper right quadrant of the slide. The fingerprint is rendered in a stylized, dotted pattern, with the central ridge area highlighted in red, while the surrounding ridges are in grey. The background of the slide is a dark grey with a fine, grid-like texture.

72% OF CEOS
IDENTIFY THE ABILITY TO
MANAGE PROJECTS AS CRITICAL
TO THE FUTURE GROWTH OF
THE BUSINESS...

...JUST 11% ARE VERY
CONFIDENT OF THEIR
ABILITY TO MANAGE
BUSINESS CRITICAL
PROJECTS

Source: IPMA Study Sept. 2010



6%

of executives say their projects come in
on time and on budget consistently



W H Y ?



-
- 1 Conflicting Priorities
 - 2 Lack of Business Alignment
 - 3 Limited Enterprise Visibility
 - 4 Project Scoping
 - 5 Project Overruns
 - 6 No Accountability
 - 7 Slow Reaction Time
 - 8 Slow Project Delivery
 - 9 Loss of Project Big Picture

- 10 Squandered Resources
- 11 Escalating Costs
- 12 Poor Risk Management
- 13 No Contractor Collaboration
- 14 Project Scoping
- 15 Project Overruns
- 16 Manual Project Approval Processes
- 17 Implementation takes longer
- 18 ...



10 Challenges for Mining

1. To remain competitive
2. To ensure legal compliance
3. To achieve operational efficiency
4. To achieve digital effectiveness
5. To ensure a balanced application of capital
6. To invest in transformative technologies
7. To contain rising costs
8. To become energy efficient
9. To build the workforce of tomorrow
10. To adapt to the green economy



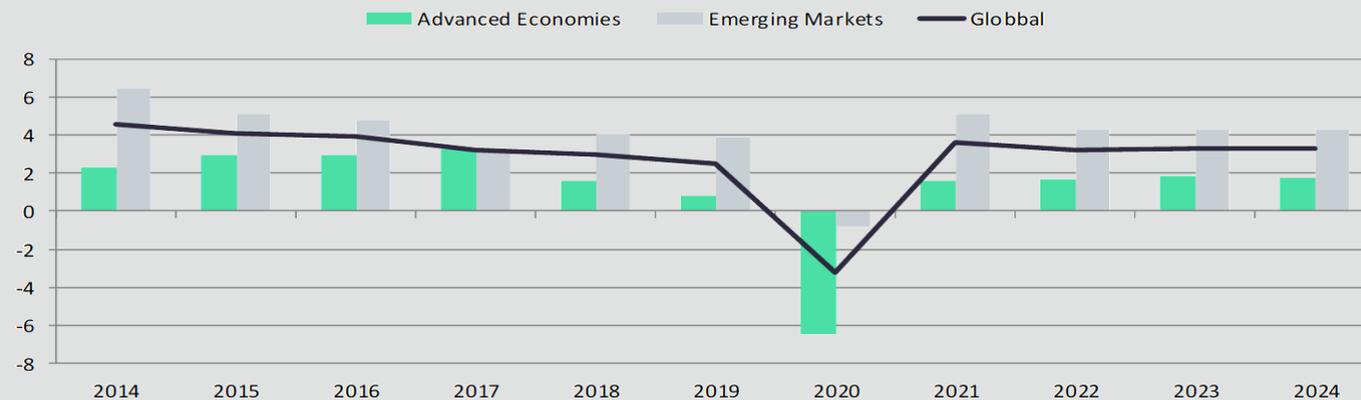
State of the Market - Global Challenge: COVID-19

Decrease in Global Construction Output

GlobalData predicts that global construction output will contract by 3.2% in 2020, a sharp downward revision compared to the forecast increase of 3.1% pre-COVID-19.

- Western Europe output will contract by 8.1%.
- North America output is expected to drop by 6.6%.
- North-East Asia output will grow by just 1.1%.

Figure 1: Global Construction Output Growth (Real, % change), 2014–2024



Source: GlobalData Q2 2020 Update

© GlobalData

Global Construction Output will fall 3.2% in 2020

Global Data Q2 2020

Global Economic Contraction of 4.9% in 2020

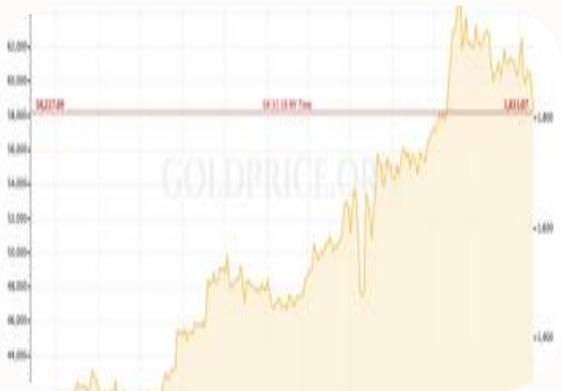
IMF

Infrastructure projects will be a priority for government investment as soon as normality returns, to reinvigorate the industry. With interest rates at record lows, borrowing costs will be at a minimum, but success will depend in part on the financial standing of governments post COVID-19.

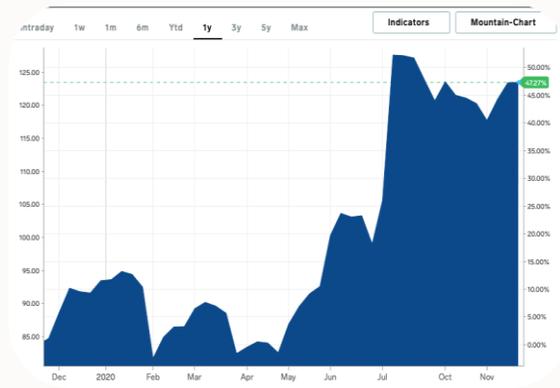
The impact of COVID-19 on Australian Construction Projects



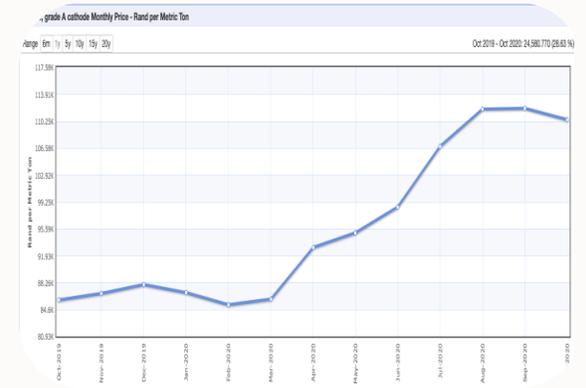
Market Trends – 12 months



Gold



Iron Ore



Copper



Platinum



Renewed Investment

Many mining companies are committing to **new investment in mining**

infrastructure, renewable energy sources and downstream beneficiation projects.

Following a period of low investment, new capacity projects are required to **overcome production decline.**



Rapid Digital Innovation

Building Information Modelling	Internet of Things	Cloud	Data Analytics	Artificial Intelligence
Machine Learning	Virtual Reality	Augmented Reality	Drones	Sensors
Block Chain	Autonomous Vehicles	3D, 4D, 5D	5G	Workplace Safety
Reality Capture	Digital Twin	GIS	Supply Chain Visibility	Wearables
Predictive Analytics	Lean Construction	SaaS	Data Interoperability	Digital Twins

Technology Shapes every aspect of project delivery

Oracle is focused on helping organizations navigate the changes on how and where we work in construction

The worksite of tomorrow is here today

Construction Industry Institute – PDRI, Project Controls, Risk Management



CII envisions an efficient capital projects industry that builds predictable value for member organizations, society, and stakeholders.

Many Infrastructure and Urban Development role players are members of the CII

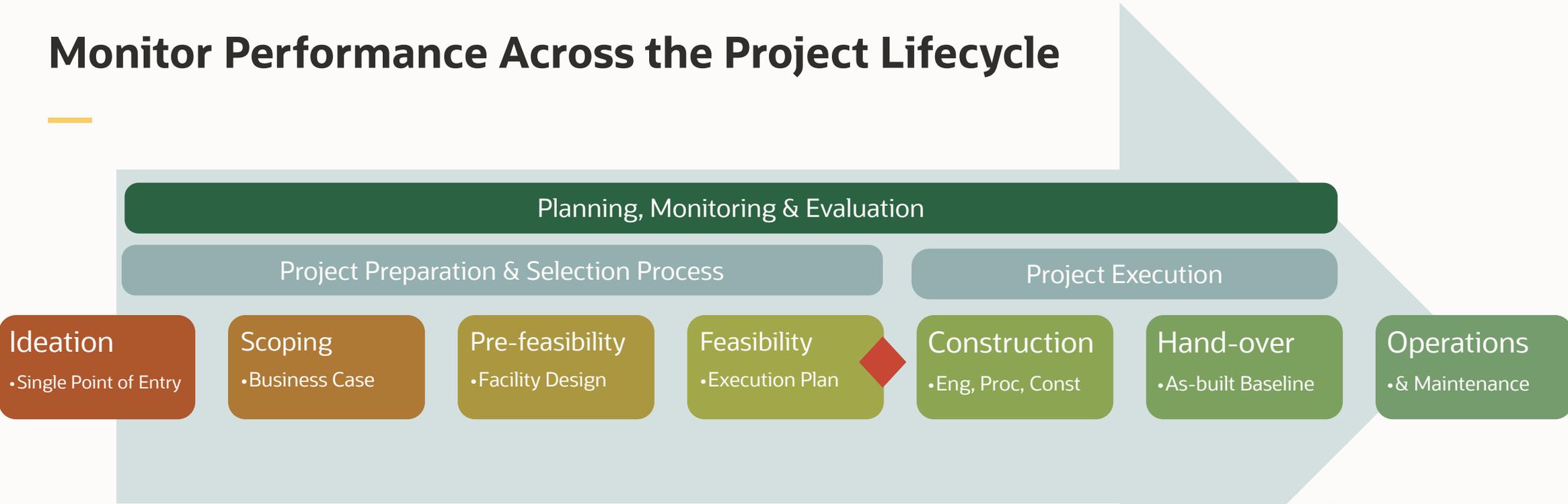
Focus Groups:

Power, Utilities and Infrastructure
Facilities & Healthcare

Areas of Interest:

Best Practices
Knowledge Areas
PDRI

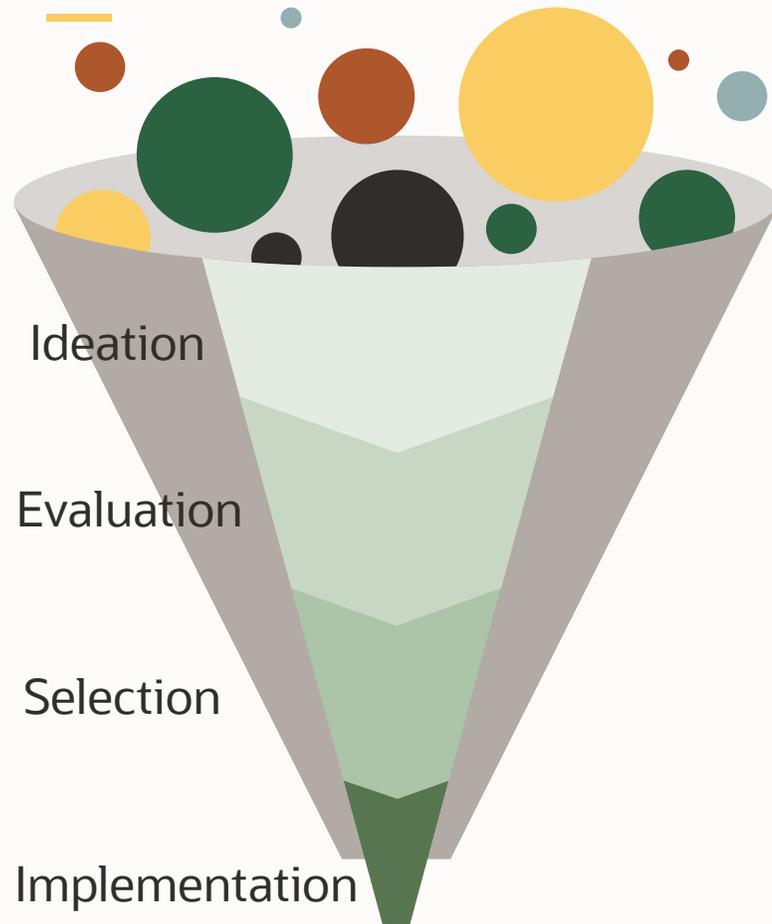
Monitor Performance Across the Project Lifecycle



◆ Funding Strategy Based on Bankable Study



Adopt a Portfolio Management Framework

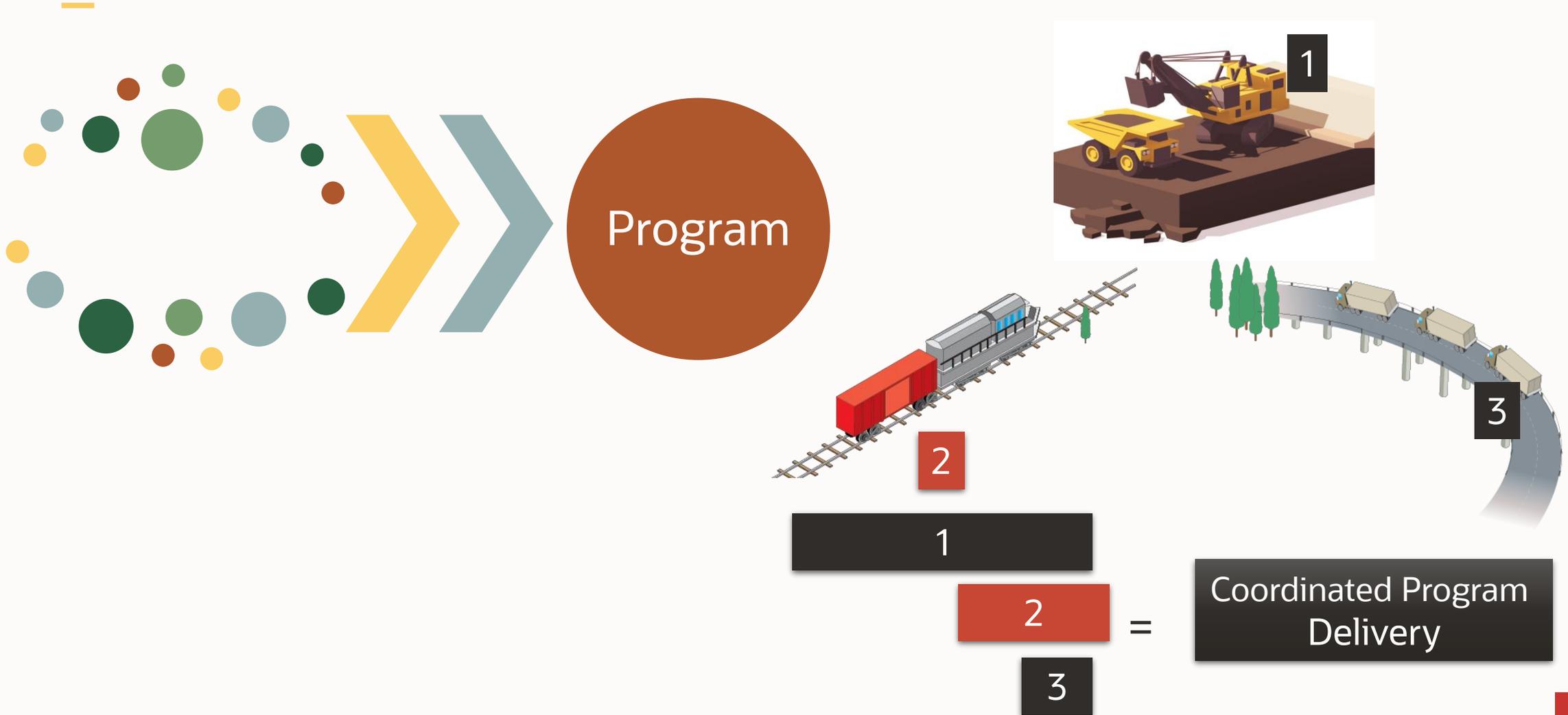


- Portfolio management is a key enabler of corporate strategy
- Enable conducive environment for project preparation and delivery
- Develop a consistent pipeline of projects aligned with strategic objectives
- Balance portfolio across brown-fields and green-fields projects
- Align portfolio across multiple operations and regions
- Identify potential funding gap

Adopt a Program Management Approach



Program Level Co-ordination of Delivery

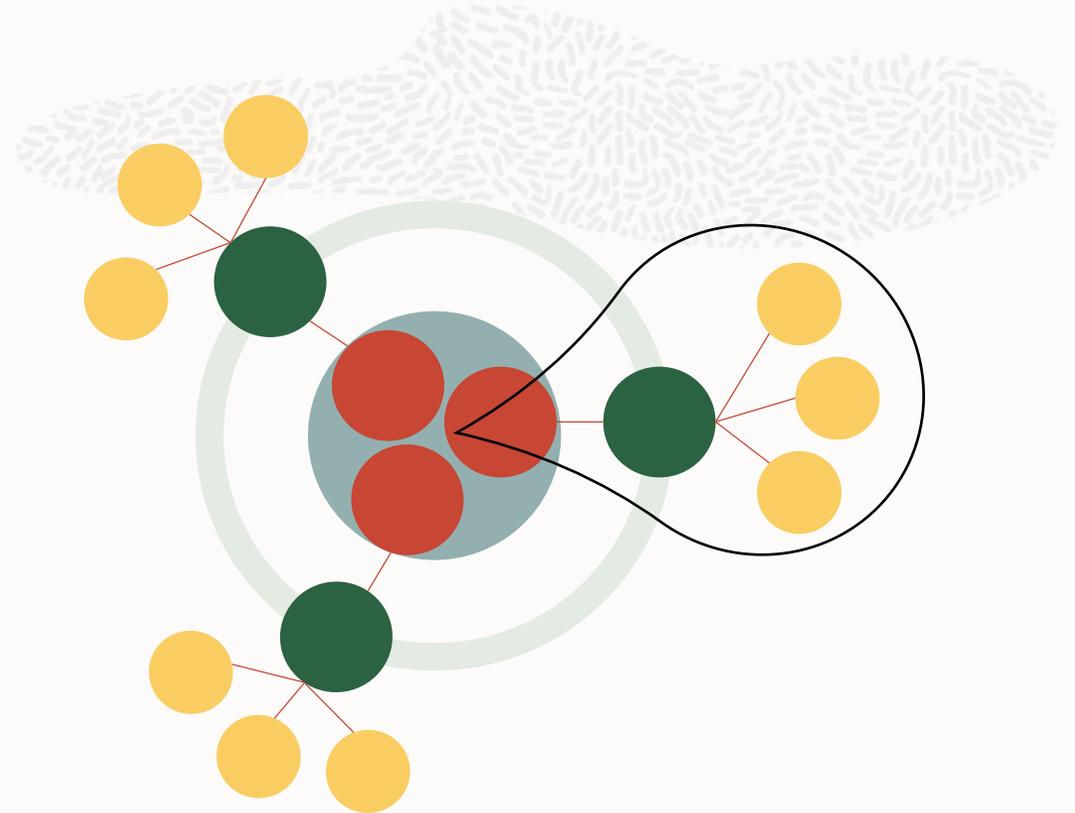


Manage Extended Project Delivery Organization

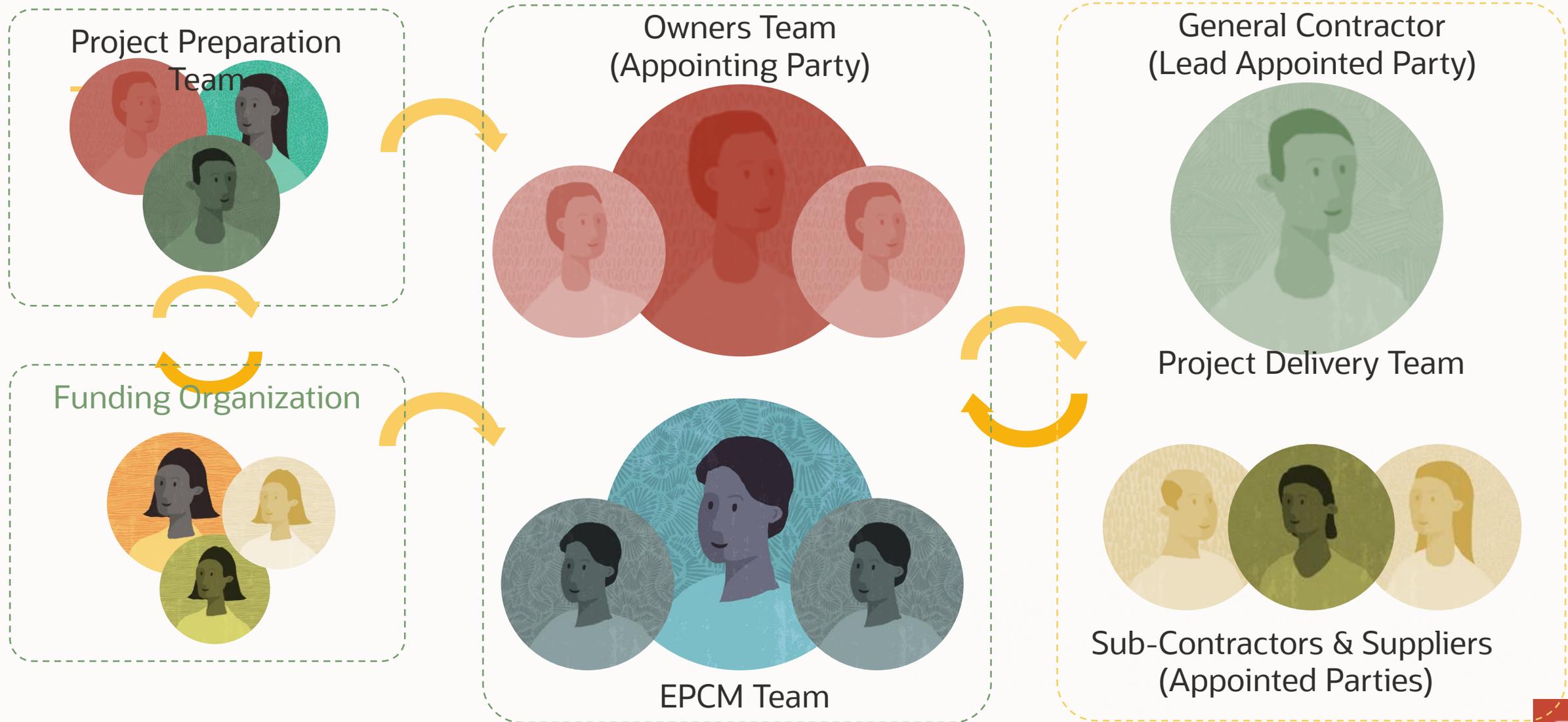


Manage Complex Supply Chains

- 1 Improve project related tendering processes
- 2 Ensure consistent application of contract terms and conditions
- 3 Handle a high volume of contractual correspondence
- 4 Ensure transparent project & contract change management
- 5 Promote timely payments to sub-contractors & suppliers



Manage an Extended Project Delivery Organization



Manage Extended Project Delivery Organization

Funding Organization



- Good Governance
- Reduced Investment Risk
- Clear Pipeline
- Funding Traceability

Owners Team



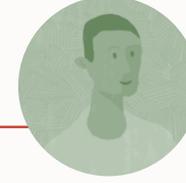
- Project Preparation
- Consistent Methodology
- Robust Project Pipeline
- Capital Plan
- Process Governance
- Portfolio Level Insight
- Performance Visibility
- Funding Traceability
- Project Assurance
- Information Management
- Reduced Risk

EPCM Team



- Visible Projects Pipeline
- Project Delivery Systems
- Open Procurement
- Contract Management
- Project Assurance
- Collaboration
- Timely Sub-contractor Payments
- Digital Handover

General Contractor



- Project Systems
- Collaboration
- Project Controls
- Contracts Management
- Change Management
- Issues & RFIs
- Inspections
- Timely Sub-Contractor Payments
- Digital Handover

Sub-Contractors



- Collaboration
- Project Controls
- Contracts Management
- Change Management
- Issues & RFIs
- Inspections
- Timely Payments
- Digital Handover
- Fewer Disputes

A Modern Cloud Solution for All Participants



Oracle Cloud Infrastructure Gen2 Cloud
Shift Critical Workloads to the Cloud

Manage Information As A Renewable Resource

Volume

Interoperability

Fair

Software Platform

Digital Handover

Standards

Access

Coding

Intellectual Property

Quality

Accurate

Timely

Theft

Security

Archiving

Lost

Improve Project Delivery Through Digital Transformation in Construction



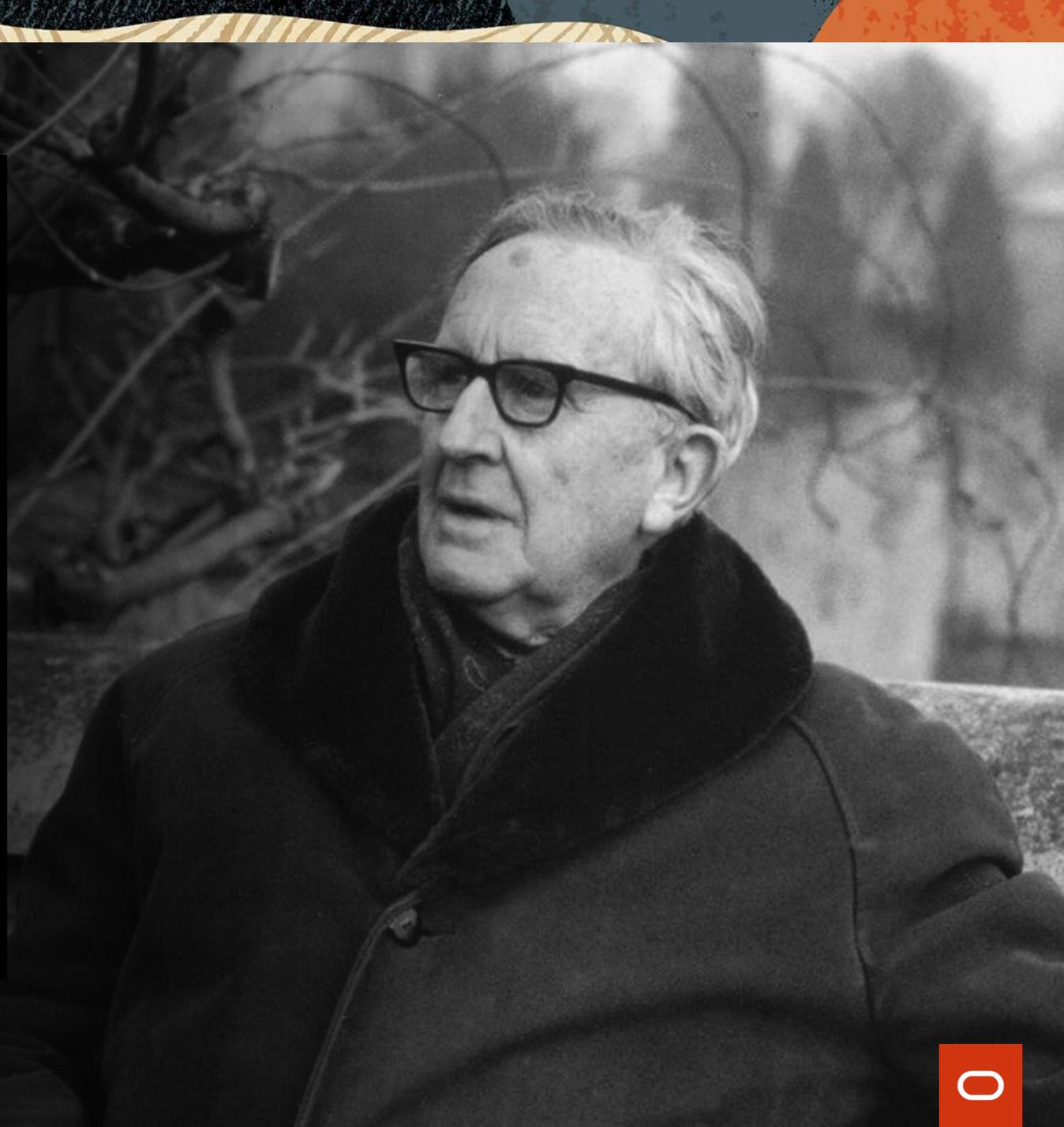
- Make Smarter Decision
- Reduce Risk
- Finish on Time & Budget

T⁵ I² M³ E¹
F² O³ R⁸
C⁴ H⁶ A² N² G⁴ E¹



“I wisely started with a map and made the story fit”

- JRR Tolkien



Verify the Problems you are trying to Solve

Delayed Projects

Cost Blow Outs

Poor Quality

Incidents

Identification

Poor Margins

Rework

Near-miss

Mitigation

Poor Estimates

Response

Ineffective Contracts

SCHEDULE

COST

QUALITY

SAFETY

RISK

Eliminate Silos of Information & Disparate Systems

Multiple, expensive legacy systems

Disconnected silos of processes and data

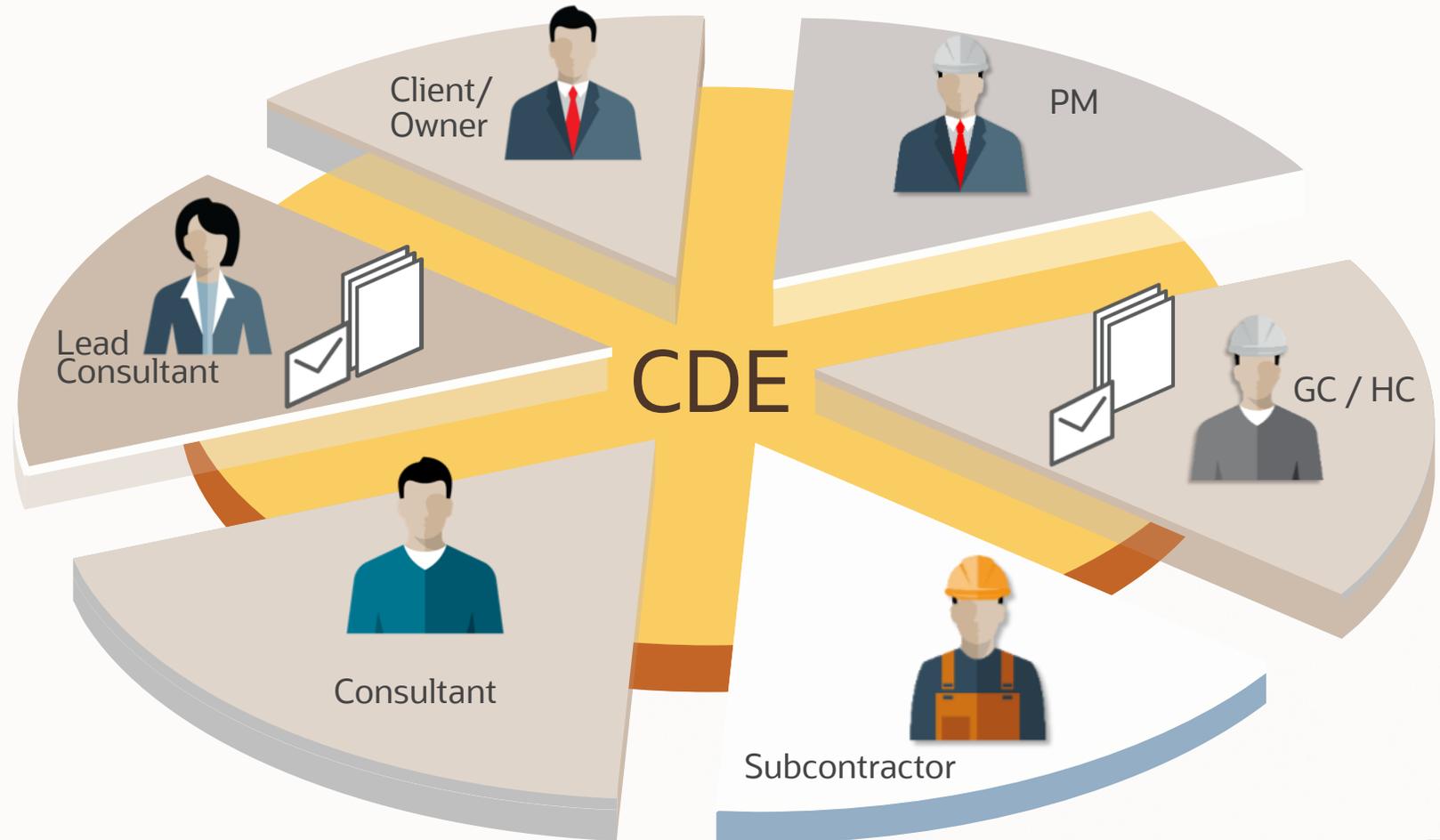
No “single source of truth” across projects & contracts

Lack of standard methodology across departments

A True Common Data Environment from Oracle

We define neutrality as universal fairness when applied to project collaboration platforms.

All stakeholders have control over their data, and no stakeholder has an advantage over another.

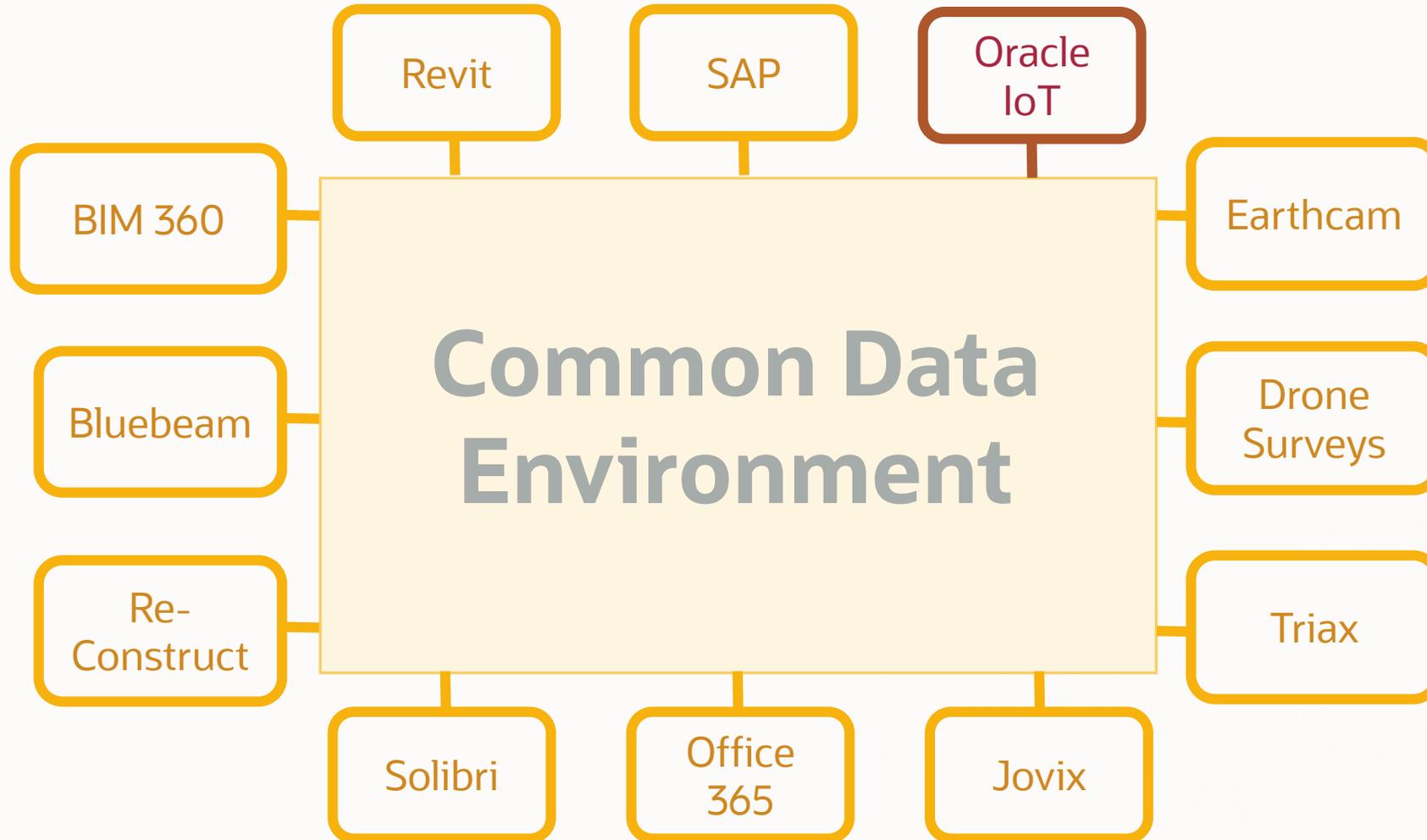


Customers Are Using Many Systems

Design Revit	Design & Coordination Aconex	ERP SAP	Schedule Primavera P6	Site cams Earthcam	Progress Control Re-Construct
Model Mgt Work in Progress BIM 360	Drawing Review Bluebeam	IoT Oracle IoT	Supply Chain Finance Textura	Drone surveys Drone Surveys	Worker Tracking Triax
Portfolio Mgt Primavera Cloud	Document authoring Office 365	Internal Processes & FM Unifier	Reporting Oracle BI	Model Quality Solibri	Material Tracking Jovix



An Integrated Platform for a TRUE CDE



Construction Management Software from Oracle

Portfolio Management

Focus on the projects that matter most

Control, visibility and insights are critical to the effective management of large project portfolios

- Optimize investment mix and maximize ROI
- Propose, inventory, prioritize and select projects
- Visualize portfolio-level capital planning and budgeting



Portfolio Management Capital Planning Funding Feasibility

© 2020 Oracle

Portfolio Management

Design and Construction Coordination

Model coordination in a common data environment

Ensure trusted collaboration and integrated process management across the lifecycle, with fast access to insights

- Single BIM model coordination, connected teams, models and project data in a neutral and secure collaborative environment
- Seamlessly view, review and coordinate to models without specialized software
- A complete set of based backbone information and full audit trail of all decisions at project completion
- Stay in control of project document management and help processes resulting, including reviews, submittals and RFIs



Design & Construction Coordination Model Coordination Document Control Contract Data Management Digital Handoffs

© 2020 Oracle

Design Collaboration

Project Controls & Contract Management

Cost management and contract control across the entire project supply chain

Gain visibility of project performance across cost and schedule

- Manage project changes, budget and contingency drawdown
- Streamline contract change management
- Proactively monitor project performance in real-time



Budget Actuals Forecast Earned Value

© 2020 Oracle

Project Controls

ORACLE
Primavera

ORACLE
Aconex

Jobsite and Mobility

Real-time collaboration and control of jobsite processes with easy-to-use mobile apps

Track and share project information, manage inspections, and access models, anywhere, anytime

- Fast and easy access to the latest set of drawings directly from mobile device
- Automate and standardize inspection processes
- Less time on administration allows you to focus on high-value activities, including quality management and presentation of safety incidents



Access Design Quality Inspections Safety Incidents

© 2020 Oracle

Jobsite Mobility

Payments Management

Protect the project supply chain

Cloud-based, collaborative payment management and supply chain financing

- **Increase efficiency:** eliminate paper and electronic gridlock by providing a single source of truth for the supply chain
- **Mitigate Risk:** automate and streamline collection of compliance evidence
- **Strengthen Supply Chain:** close the finance gap to the supply chain and reduce risk



Payment Management & Processing Supply Chain Finance

© 2020 Oracle

Payments Management

Data Analytics and Reporting

Make better decisions

Real-time Management Information to reduce project risk

- **Dashboards:** Configure a collection of dashboards to indicate performance information in real-time
- **BI Reports:** Configureable Business Intelligence reporting based on permissions, formatting and layouts required by the business
- **Data Analytics:** Leverage data analytics to unlock the value hidden in the sea of data across the organization. Improve business decisions through data insight.
- **Predictive Analytics:** Leverage AI with project performance data to make better decisions and reduce risk



Dashboards BI Reports Data Analytics Predictive Analytics

© 2020 Oracle

Data Analytics

ORACLE
Textura

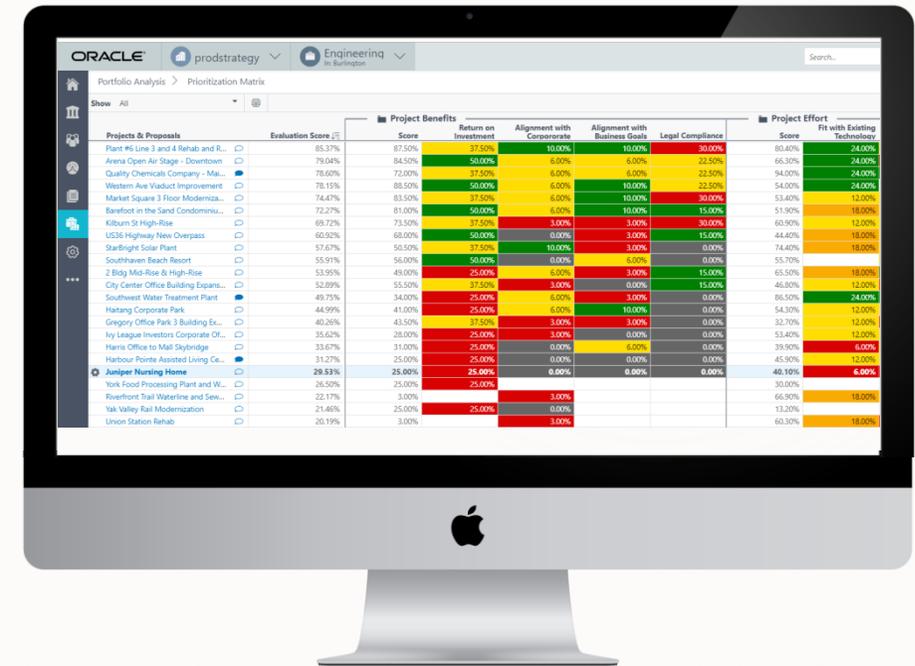


Portfolio Management

Focus on the projects that matter most

Control, visibility and insights are critical to the effective management of large project portfolios

- Optimize investment mix and maximize ROI
- Propose, inventory, prioritize and select projects
- Visualize portfolio-level capital planning and budgeting



Design and Construction Coordination

Model coordination in a common data environment

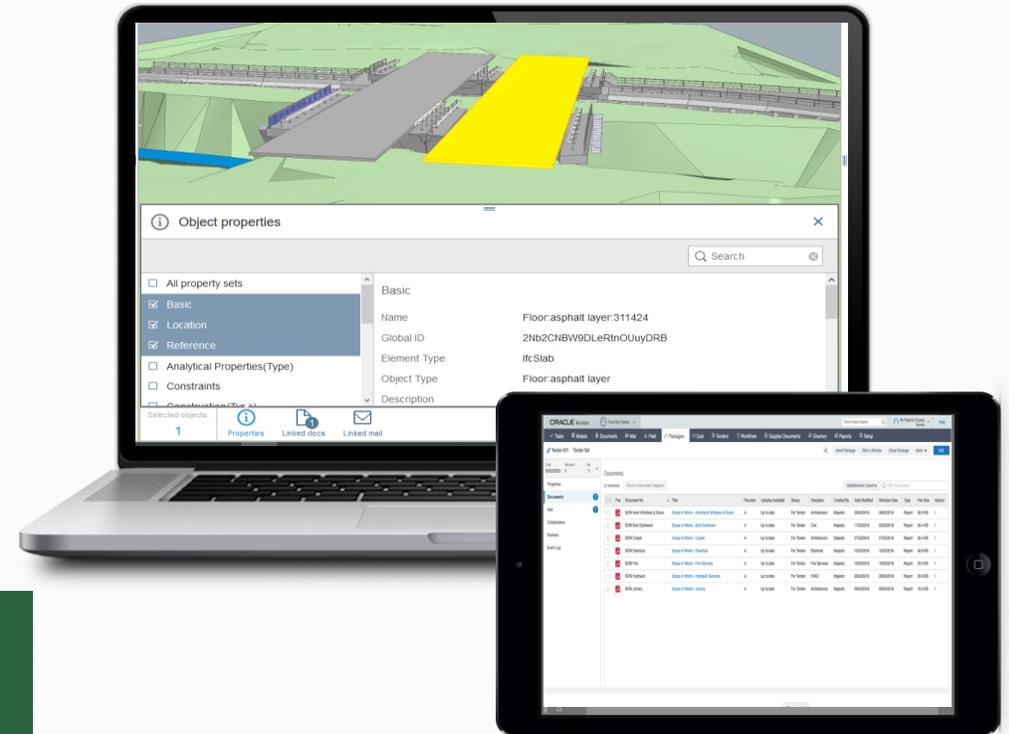
Ensure trusted collaboration and integrated process management across the lifecycle, with fast access to insights

Simplify BIM model coordination, connecting teams, models and project data in a neutral and secure collaborative environment

Seamlessly share, review and contribute to models without specialized software

A complete set of linked handover information and full audit trail of all decisions at project completion

Stay in control of project document management and keep processes moving, including reviews, submittals and RFIs

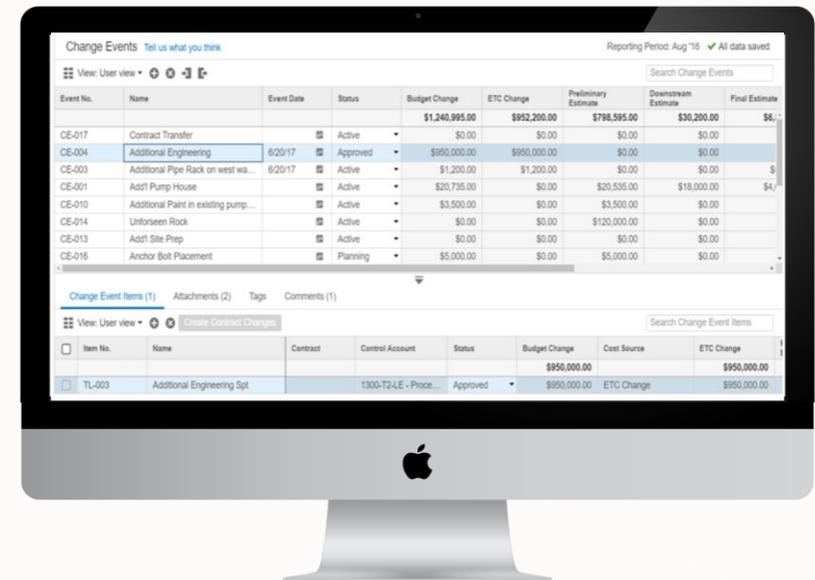
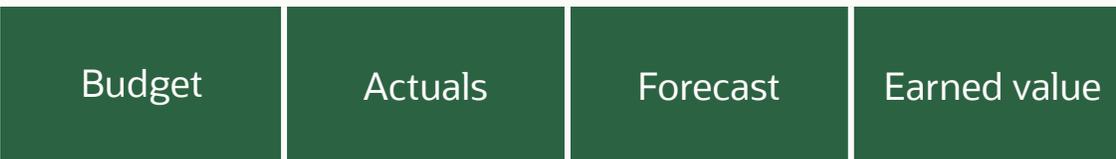


Project Controls & Contract Management

Cost management and contract control across the entire project supply chain

Gain visibility of project performance across cost and schedule

- Manage project changes, budget and contingency drawdown
- Streamline contract change management
- Proactively monitor project performance in real-time

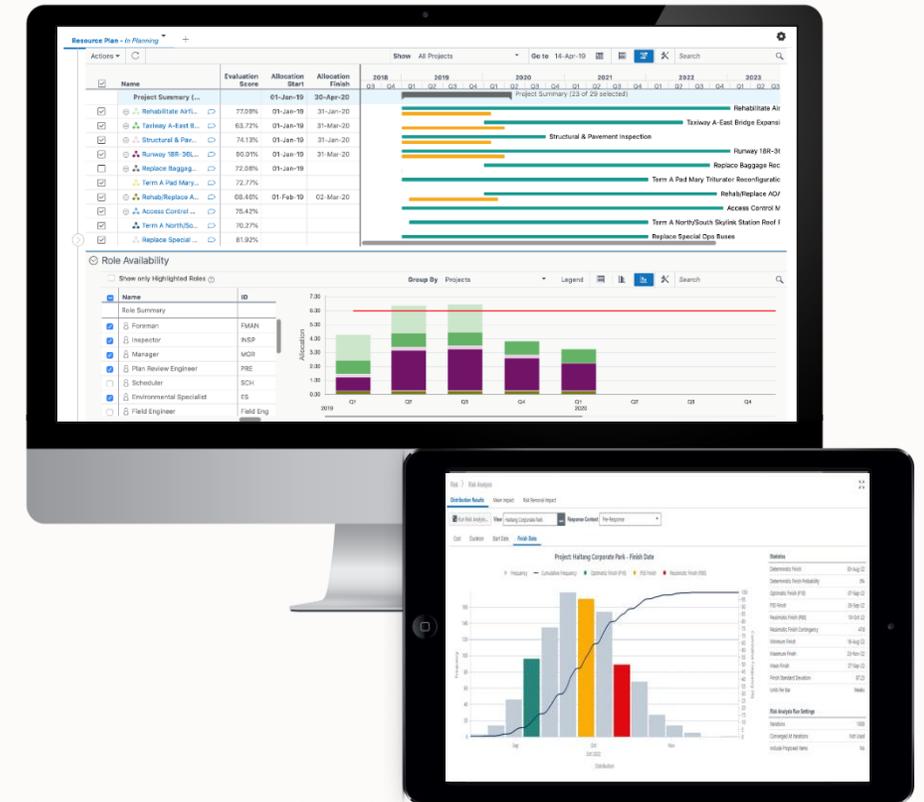


Project Scheduling

Comprehensive scheduling, resource planning and risk management

Efficiently plan, schedule, and control programs and individual projects.

- Cloud based, delivering fast time to value
- Critical Path Method and Lean Scheduling
- Total coordination and collaboration around tasks, due dates and completion plans
- Plan, optimize and manage resource capacity across programs and projects
- Enhanced risk mitigation, avoid delays and cost overruns
- Track potential risks and opportunities at both project and activity levels



CPM & Lean scheduling	Resource management	Risk management
-----------------------	---------------------	-----------------



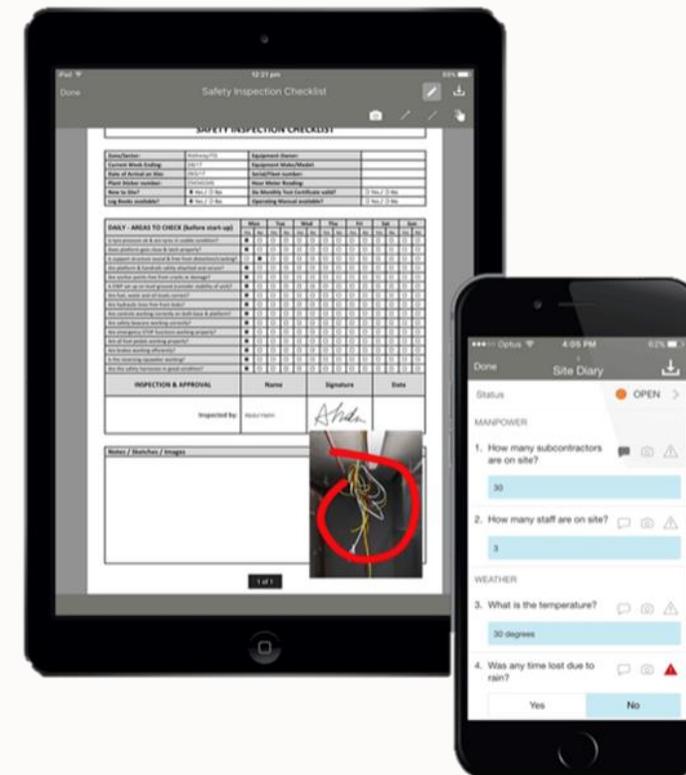
Jobsite and Mobility

Real-time collaboration and control of jobsite processes with easy-to-use mobile apps

Track and share project information, manage inspections, and access models, anywhere, anytime

- Fast and easy access to the latest set of drawings directly from mobile device
- Automate and standardize inspection processes
- Less time on administration allows you to focus on high-value activities, including quality management and prevention of safety incidents

Access design	Quality inspections	Safety incidents
---------------	---------------------	------------------



Payments Management

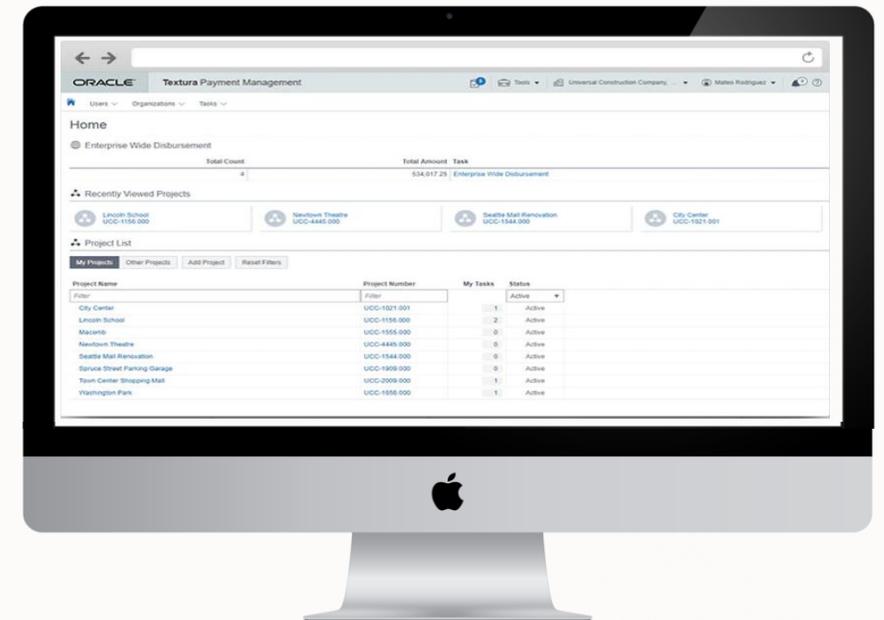
Protect the project supply chain

Cloud based, collaborative payment management and supply chain financing:

- **Increase efficiency:** eliminate paper and electronic gridlock by providing a single source of truth to the supply chain
- **Mitigate Risk:** automate and streamline collection of compliance materials
- **Strengthen Supply Chain:** close the finance gap to the supply chain and reduce risk

Payment
Management &
Processing

Supply Chain
Finance

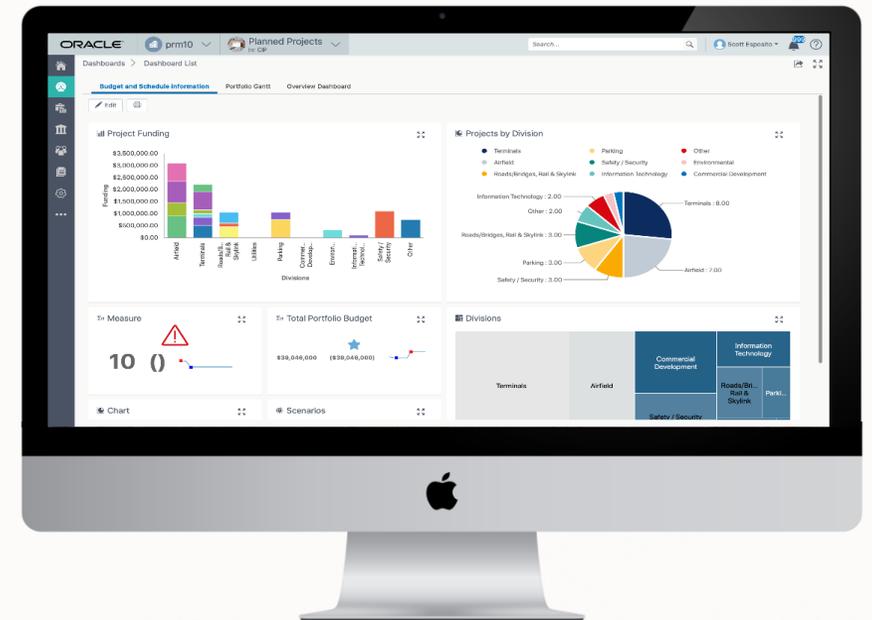


Data Analytics and Reporting

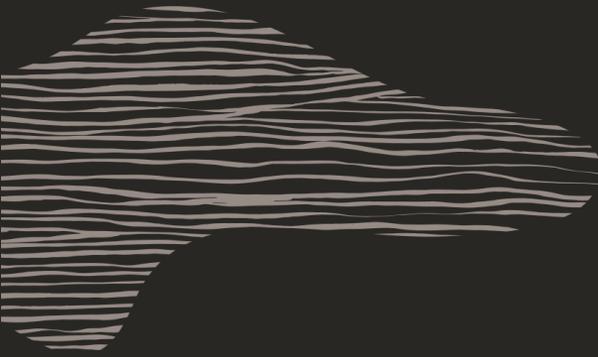
Make better decisions

Real-time Management Information to reduce project risk

- **Dashboards:** Configurable, in-application dashboards to indicate performance information in real-time
- **BI Reports:** Configurable Business Intelligence reporting based on parameters, formatting and layouts required by the business
- **Data Analytics:** Leverage data analytics to unlock the value hidden in a sea of data across the organization. Improve business decisions through data insight.
- **Predictive Analytics:** Leverage AI with project performance data to make better decisions and reduce risk



ORACLE



Managing Uncertainty: Planning Scenarios

Oracle Construction and Engineering Global Business Unit
November 25, 2020

Project Schedule, Cost & Risk

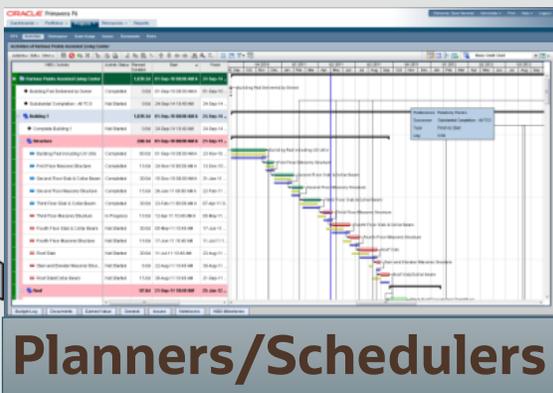


Well, I have my plan in P6.
I have a Risk Register with
30 risks, 10 of which are
red.



Project Manager

What's the chance of this
project still finishing on time?



Planners/Schedulers

Description	Subtotal	% Contingency	Total
11 Big Co. PROJECT MANAGEMENT	\$ 4,719,270	5%	\$ 4,955,242
1 PROJECT MANAGEMENT	\$ 4,719,270	0%	\$ 4,719,270
21 ENGINEERING MANAGEMENT	\$ 1,344,586	8%	\$ 1,452,153
22 TECHNICAL STUDIES	\$ 479,725	0%	\$ 479,725
23 DEFINITIVE DESIGN	\$ 10,515,271	8%	\$ 11,421,077
24 ENGINEERING INSPECTION	\$ 5,507,916	8%	\$ 5,950,548
25 EQUIPMENT REMOVAL DESIGN	\$ 2,061,272	8%	\$ 2,214,940
2 ENGINEERING	\$ 19,866,870	8%	\$ 21,514,238
31 CHEMICAL DEFINITIVE DESIGN	\$ 668,860	5%	\$ 702,404
32 CHEMICAL PROCUREMENT	\$ 632,731	5%	\$ 666,368
33 CHEMICAL FABRICATION	\$ 962,460	5%	\$ 1,012,125
3 CHEMICAL	\$ 2,264,051	5%	\$ 2,380,897
41 WWC CONSTRUCTION MANAGEMENT	\$ 4,978,887	16%	\$ 5,774,356
42 PDS-FARM MODIFICATIONS	\$ 1,307,890	25%	\$ 1,635,031
43 CF-FARM MODIFICATIONS	\$ 6,602,884	25%	\$ 8,253,866
44 A/F-FARM MODIFICATIONS	\$ 1,838,429	38%	\$ 2,537,368
45 EXPENSE RECOGNITION	\$ 4,094,829	25%	\$ 5,119,036
46 FACILITY PREP	\$ 9,036,196	38%	\$ 12,473,824
47 CONSTRUCTION SERVICES	\$ 7,041,973	16%	\$ 8,166,296
4 CONSTRUCTION	\$ 36,165,833	24%	\$ 43,826,829
51 STARTUP ADMINISTRATION	\$ 1,078,355	15%	\$ 1,237,808
52 STARTUP SUPPORT	\$ 1,044,881	15%	\$ 1,200,566
54 STARTUP READINESS REVIEW	\$ 1,042,521	15%	\$ 1,198,099
5 OTHER PROJECT COSTS	\$ 4,663,237	16%	\$ 5,393,844
61 ENVIRONMENTAL MANAGEMENT	\$ 424,813	19%	\$ 505,614
63 SAFETY	\$ 3,979,477	18%	\$ 4,678,425
64 HSE/HA	\$ 84,196	14%	\$ 95,715
66 ROSA	\$ 11,474	15%	\$ 13,186
68 GSA	\$ 175,899	15%	\$ 201,884
6 SAFETY & ENVIRONMENTAL	\$ 4,356,239	16%	\$ 5,040,707
PROJECT TOTAL	\$ 70,967,276	16%	\$ 82,330,205

Estimators

Risk ID	Type	Title	Pre-mitigation				Response		
			Probability	Schedule	Cost	Performance Score	Type	Title	
3	Threat	Poor understanding and detail in specification	L	H	M	VL	12	Reduce	Introduce penalties for design changes
4	Threat	Guidance System failure	VL	VH	VH	VH	8	Reduce	Improve initial specification
5	Threat	Contract Delay	H	M	L	H	28	Reduce	Change form of contract
6	Threat	Key resource unavailable	H	L	L	VH	36	Reduce	Source resource assignment policy
7	Threat	Delivery overrun	M	H	N	N	20	Reduce	Source alternative delivery company
8	Threat	Fabrication contractor goes bust	N	M	M	M	6	Reduce	
9	Threat	Rework required for assembly and integration	M	M	M	L	10	Reduce	Check manufacturing tolerances
10	Threat	Testing fails	L	L	L	N	8	Reduce	
11	Threat	Design changes	H	M	M	N	14	Reduce	
12	Opportunity	Reuse previous design work	H	M	H	N	28	Enhance	

Risk Managers



Project Schedule, Cost & Risk



Well, I have my plan in P6. I have a Risk Register with 30 risks, 10 of which are red.



Project Manager

Oracle Primavera Cloud

What's the chances of this project still finishing on time?

Planners/Schedulers

Estimators

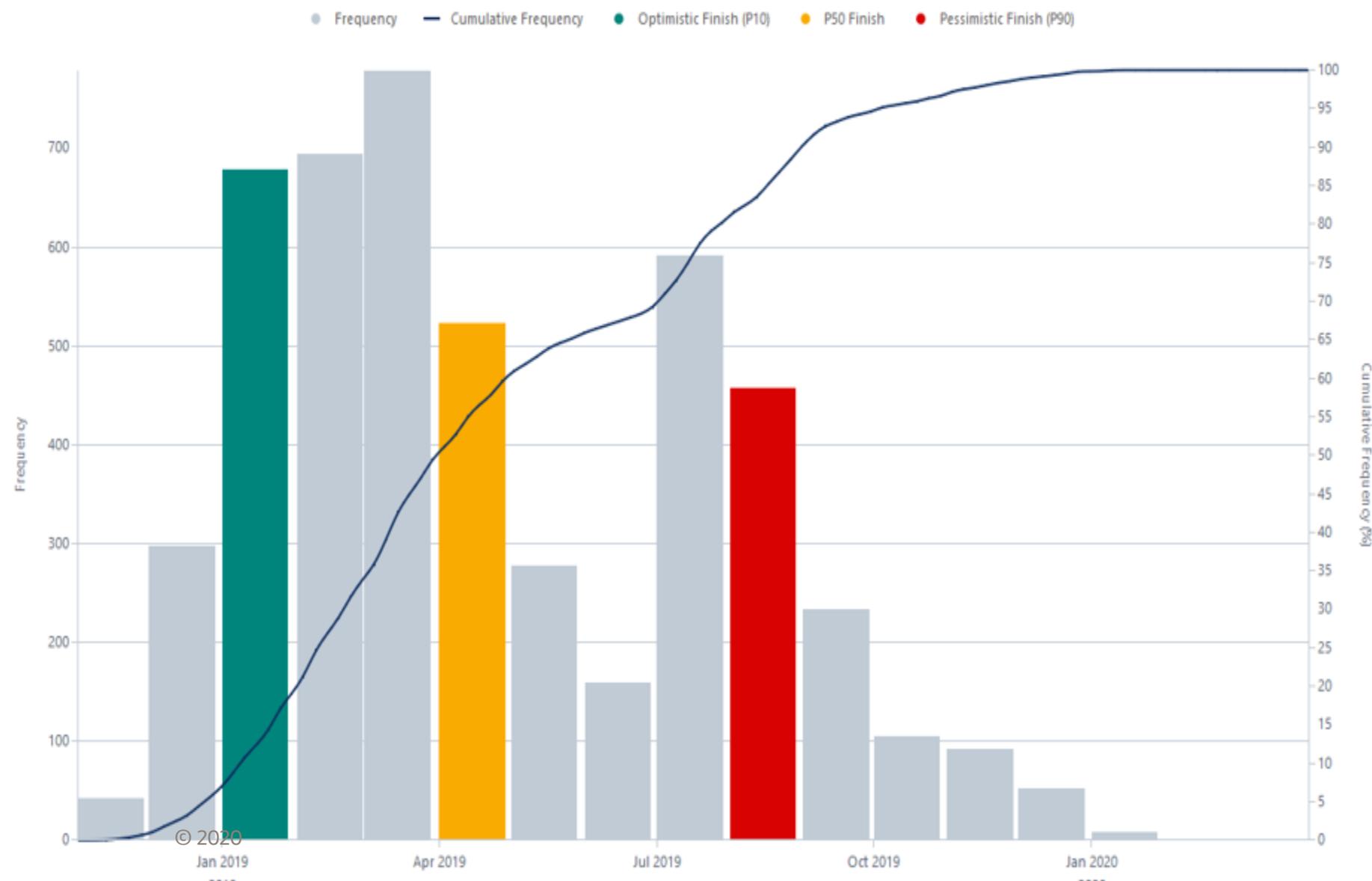
Description	Estimate	% Contingency	Total	
11 Big Co. PROJECT MANAGEMENT	\$ 4,718,270	5%	232,964	\$ 4,951,234
1 PROJECT MANAGEMENT	\$ 4,718,270	5%	232,964	\$ 4,951,234
21 ENGINEERING MANAGEMENT	\$ 1,344,586	8%	107,647	\$ 1,452,233
22 TECHNICAL STUDIES	\$ 479,729	8%	38,378	\$ 518,107
23 DEFINITIVE DESIGN	\$ 10,575,071	8%	846,206	\$ 11,421,277
24 ENGINEERING INSPECTION	\$ 5,067,919	8%	405,633	\$ 5,473,552
25 EQUIPMENT REMOVAL DESIGN	\$ 2,561,272	8%	204,902	\$ 2,766,174
2 ENGINEERING	\$ 10,966,570	8%	874,286	\$ 11,840,856
31 CERAMIC DEFINITIVE DESIGN	\$ 666,880	1%	33,450	\$ 700,330
32 CERAMIC PROCUREMENT	\$ 632,731	5%	31,837	\$ 664,568
33 CERAMIC FABRICATION	\$ 902,480	5%	45,125	\$ 947,605
3 CERAMIC	\$ 2,202,091	5%	110,412	\$ 2,312,503
41 INFC CONSTRUCTION MANAGEMENT	\$ 4,976,687	15%	497,968	\$ 5,474,655
42 INTER-FABRI INDICATIONS	\$ 1,307,985	25%	326,796	\$ 1,634,781
43 CFARM MODIFICATIONS	\$ 6,002,684	25%	1,500,671	\$ 7,503,355
44 AL-ALARM MODIFICATIONS	\$ 1,036,429	38%	499,828	\$ 1,536,257
45 EXPENSE PROCUREMENT	\$ 4,054,829	25%	1,013,657	\$ 5,068,486
46 FACILITY PREP	\$ 9,536,146	28%	3,337,658	\$ 12,873,804
47 CONSTRUCTION SERVICES	\$ 7,041,975	24%	1,696,298	\$ 8,738,273
4 CONSTRUCTION	\$ 36,156,833	24%	\$ 8,373,896	\$ 44,530,729
51 STARTUP ADMINISTRATION	\$ 1,078,385	15%	251,453	\$ 1,329,838
52 STARTUP SUPPORT	\$ 1,944,661	15%	291,699	\$ 2,236,360
54 STARTUP READNESS REVIEW	\$ 1,042,521	15%	156,378	\$ 1,198,899
5 OTHER PROJECT COST	\$ 4,663,837	10%	466,384	\$ 5,130,221
61 ENVIRONMENTAL MANAGEMENT	\$ 424,213	18%	42,421	\$ 466,634
62 SAFETY	\$ 3,978,677	15%	596,801	\$ 4,575,478
64 NEPA	\$ 64,190	15%	6,419	\$ 70,609
65 RCMA	\$ 11,276	15%	1,721	\$ 13,000
66 CAA	\$ 178,889	15%	17,889	\$ 196,778
6 SAFETY & ENVIRONMENTAL	\$ 4,255,839	16%	426,156	\$ 4,681,995
PROJECT TOTAL	\$ 70,967,376	16%	\$ 11,391,820	\$ 82,359,200

Risk Managers

Risk ID	Type	Title	Pre-mitigation Probability	Schedule	Cost	Performance	Score	Type	Response
1	Threat	Poor understanding and detail in specification	L	H	M	VL	12	Reduce	Introduce penalties for design changes
4	Threat	Guidance System failure	VL	VH	VH	VH	8	Reduce	Improve initial specification
5	Threat	Contract Delay	H	M	L	H	28	Reduce	Change form of contract
6	Threat	Key resource unavailable	H	L	L	VH	36	Reduce	Change resource assignment policy
7	Threat	Delivery overrun	M	H	N	N	20	Reduce	Source alternative delivery company
8	Threat	Fabrication contractor goes bust	N	M	M	M	8	Reduce	
9	Threat	Rework required for assembly and integration	M	M	M	L	10	Reduce	Check manufacturing tolerances
10	Threat	Testing fails	L	L	L	N	8	Reduce	
11	Threat	Design changes	H	M	M	N	14	Reduce	
12	Opportunity	Reuse previous design work	H	M	H	N	28	Enhance	



Project: New 3 Story Office Building - Finish Date



Statistics

Deterministic Finish	06-Jun-19
Deterministic Finish Probability	67%
Optimistic Finish (P10)	09-Jan-19
P50 Finish	01-Apr-19
Pessimistic Finish (P90)	30-Aug-19
Pessimistic Finish Contingency	61d
Minimum Finish	16-Nov-18
Maximum Finish	16-Mar-20
Mean Finish	21-Feb-19
Finish Standard Deviation	529.98
Units Per Bar	Months

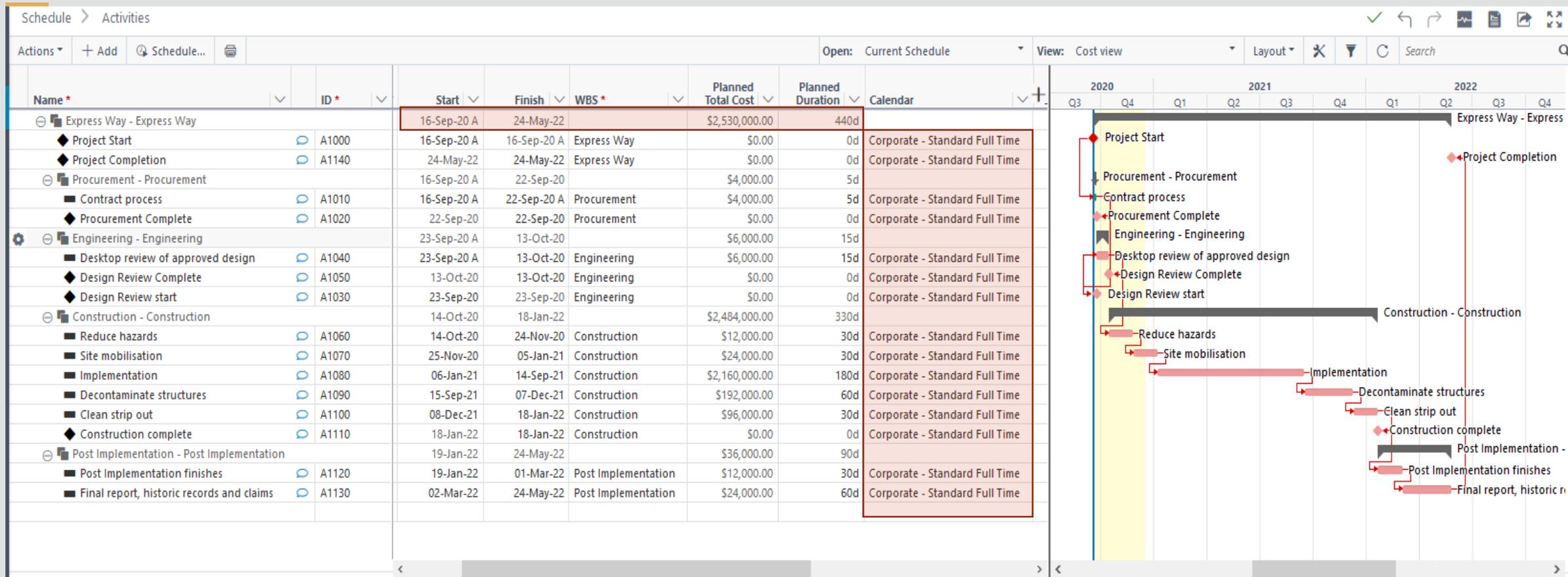
Risk Analysis Run Settings

Iterations	5000
Converged At Iterations	Not Used
Include Proposed Items	Yes



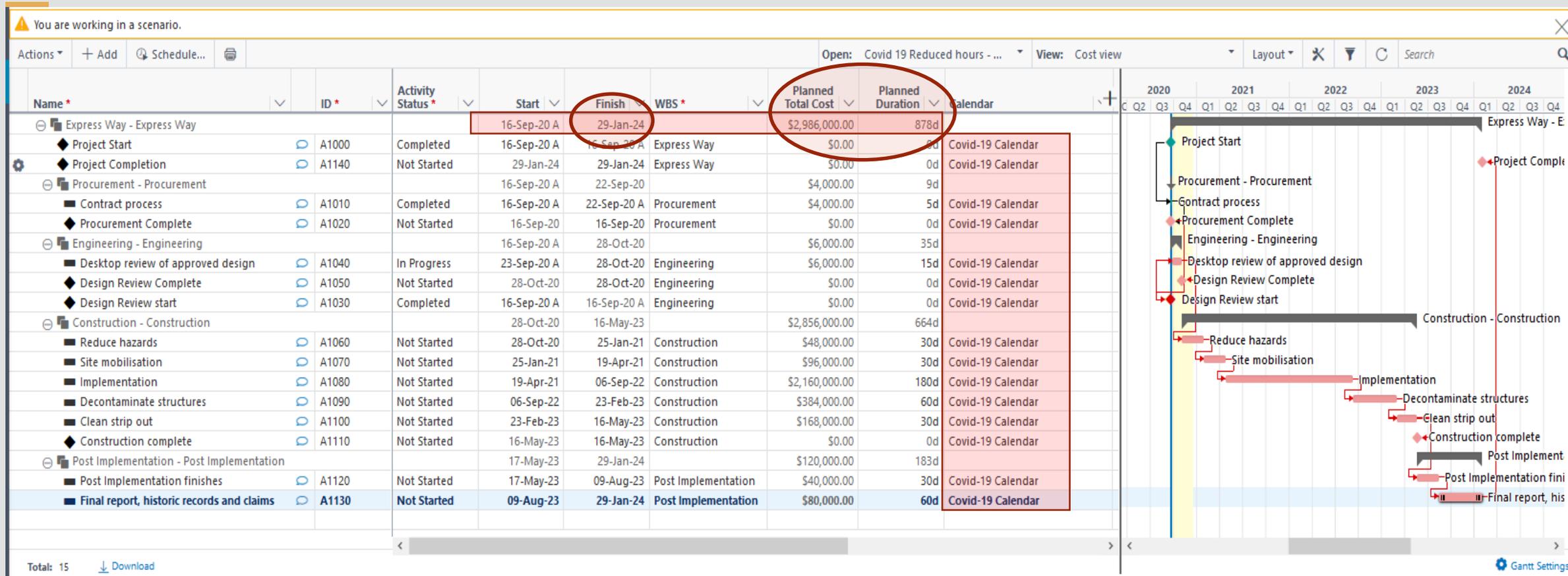
Schedule “before Covid-19 disruption”

Full Working Hours

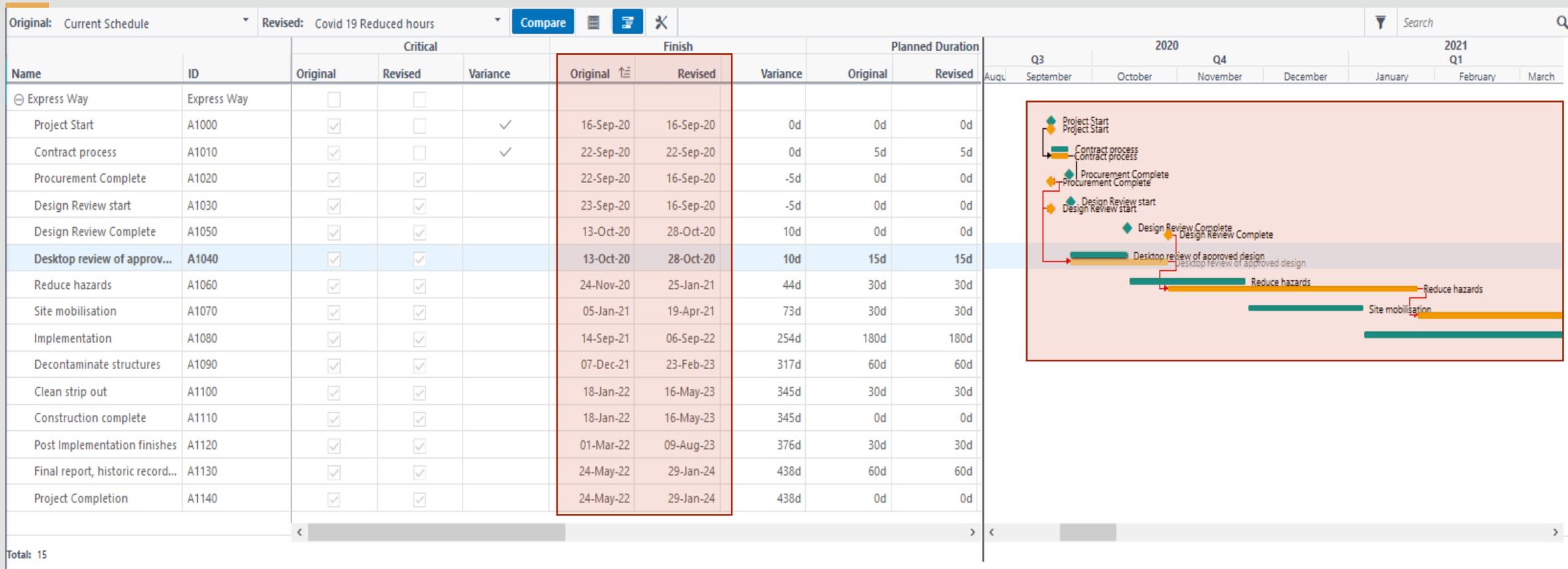


Schedule “During Covid-19 Disruption”

Reduced Working Hours



Comparison between Original Schedule and Covid-19 Impacted Schedule



Schedule "Covid-19 recovery"

Full Working Hours

⚠ You are working in a scenario.

Actions + Add Schedule... Open: Covid Recovery Schedule - ... View: Cost view Layout X Filter Refresh Search

Name *	ID *	Activity Status *	Start	Finish	WBS *	Planned Total Cost	Planned Duration	Calendar
Express Way - Express Way			16-Sep-20 A	08-Jun-22		\$2,706,000.00	450d	
◆ Project Start	A1000	Completed	16-Sep-20 A	16-Sep-20 A	Express Way	\$0.00	0d	Covid-19 Calendar
◆ Project Completion	A1140	Not Started	08-Jun-22	08-Jun-22	Express Way	\$0.00	0d	Covid-19 Calendar
Procurement - Procurement			16-Sep-20 A	22-Sep-20		\$4,000.00	9d	
▣ Contract process	A1010	Completed	16-Sep-20 A	22-Sep-20 A	Procurement	\$4,000.00	5d	Covid-19 Calendar
◆ Procurement Complete	A1020	Not Started	16-Sep-20	16-Sep-20	Procurement	\$0.00	0d	Covid-19 Calendar
Engineering - Engineering			16-Sep-20 A	28-Oct-20		\$6,000.00	35d	
▣ Desktop review of approved design	A1040	In Progress	23-Sep-20 A	28-Oct-20	Engineering	\$6,000.00	15d	Covid-19 Calendar
◆ Design Review Complete	A1050	Not Started	28-Oct-20	28-Oct-20	Engineering	\$0.00	0d	Covid-19 Calendar
◆ Design Review start	A1030	Completed	16-Sep-20 A	16-Sep-20 A	Engineering	\$0.00	0d	Covid-19 Calendar
Construction - Construction			28-Oct-20	02-Feb-22		\$2,632,000.00	330d	
▣ Reduce hazards	A1060	Not Started	28-Oct-20	09-Dec-20	Construction	\$16,000.00	30d	Corporate - Standard Full Time
▣ Site mobilisation	A1070	Not Started	09-Dec-20	20-Jan-21	Construction	\$32,000.00	30d	Corporate - Standard Full Time
▣ Implementation	A1080	Not Started	20-Jan-21	29-Sep-21	Construction	\$2,160,000.00	180d	Corporate - Standard Full Time
▣ Decontaminate structures	A1090	Not Started	29-Sep-21	22-Dec-21	Construction	\$320,000.00	60d	Corporate - Standard Full Time
▣ Clean strip out	A1100	Not Started	22-Dec-21	02-Feb-22	Construction	\$104,000.00	30d	Corporate - Standard Full Time
◆ Construction complete	A1110	Not Started	02-Feb-22	02-Feb-22	Construction	\$0.00	0d	Corporate - Standard Full Time
Post Implementation - Post Implementation			02-Feb-22	08-Jun-22		\$64,000.00	90d	
▣ Post Implementation finishes	A1120	Not Started	02-Feb-22	16-Mar-22	Post Implementation	\$24,000.00	30d	Corporate - Standard Full Time
◆ Final report, historic records and claims	A1130	Not Started	16-Mar-22	08-Jun-22	Post Implementation	\$40,000.00	60d	Corporate - Standard Full Time



Comparison between Original Schedule and Recovery Schedule

Schedule > Schedule Comparison

Original: Current Schedule Revised: Covid Recovery Schedule Compare

Name	ID	Critical			Finish			Planned Duration	
		Original	Revised	Variance	Original	Revised	Variance	Original	Revised
Express Way	Express Way	<input type="checkbox"/>	<input type="checkbox"/>						
Project Start	A1000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✓	16-Sep-20	16-Sep-20	0d	0d	0d
Contract process	A1010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	✓	22-Sep-20	22-Sep-20	0d	5d	5d
Procurement Complete	A1020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		22-Sep-20	16-Sep-20	-5d	0d	0d
Design Review start	A1030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		23-Sep-20	16-Sep-20	-5d	0d	0d
Design Review Complete	A1050	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		13-Oct-20	28-Oct-20	10d	0d	0d
Desktop review of approv...	A1040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		13-Oct-20	28-Oct-20	10d	15d	15d
Reduce hazards	A1060	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		24-Nov-20	09-Dec-20	10d	30d	30d
Site mobilisation	A1070	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		05-Jan-21	20-Jan-21	10d	30d	30d
Implementation	A1080	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		14-Sep-21	29-Sep-21	10d	180d	180d
Decontaminate structures	A1090	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		07-Dec-21	22-Dec-21	10d	60d	60d
Clean strip out	A1100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		18-Jan-22	02-Feb-22	10d	30d	30d
Construction complete	A1110	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		18-Jan-22	02-Feb-22	10d	0d	0d
Post Implementation finishes	A1120	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		01-Mar-22	16-Mar-22	10d	30d	30d
Final report, historic record...	A1130	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		24-May-22	08-Jun-22	10d	60d	60d
Project Completion	A1140	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		24-May-22	08-Jun-22	10d	0d	0d

Total: 15

The Gantt chart displays the project schedule from Q3 2020 to Q1 2021. Key milestones include Project Start, Contract process, Procurement Complete, Design Review start/Complete, Desktop review of approved design, Reduce hazards, and Site mobilisation. The chart shows the original schedule (green bars) and the revised schedule (orange bars) for various tasks, with the 'Desktop review of approved design' task showing a significant delay in the revised schedule.

How can the CEGBU help

— Help improve project performance by:

- *helping mining owners and operators*
- *deliver large, complex and innovative projects and programs*
- *through an integrated project delivery system*
- *leveraging the power of team collaboration, information management and technology for project delivery*
- *and develop data insights to enable assurance, governance, risk mitigation, project controls and decision support*

ORACLE