Digital transformation at Dublin Airport

Using Oracle Primavera Unifier

Sherief Elabd & Nathan Lambert





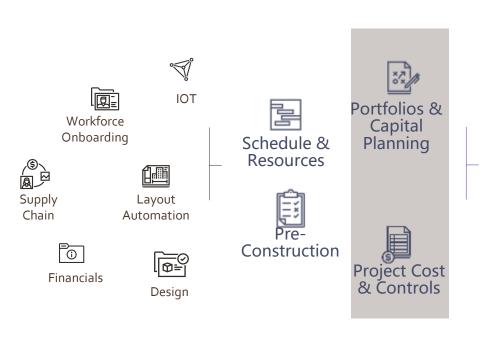


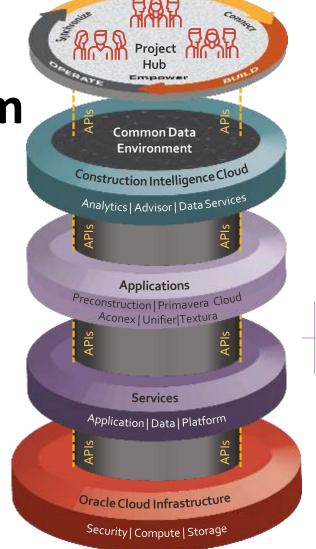
ORACLE® Construction and Engineering

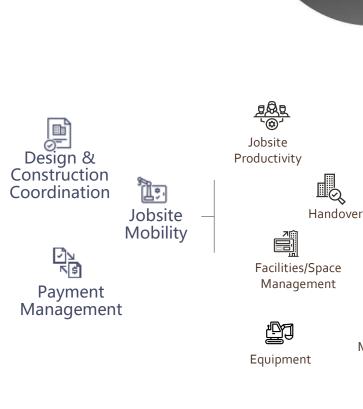




Oracle Smart
Construction Platform







Connect, Empower, Synchronize the construction lifecycle for all stakeholders





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Materials

Pre-Fab

Oracle Primavera Unifier

- Highly configurable
- Integrated cost and schedule management
- Powerful project controls solution





Primavera Unifier Accelerator

Business Process Automation (BPA)

Stage-gate Management



Contract Execution

Change Management

Cost Control & Cash Flow



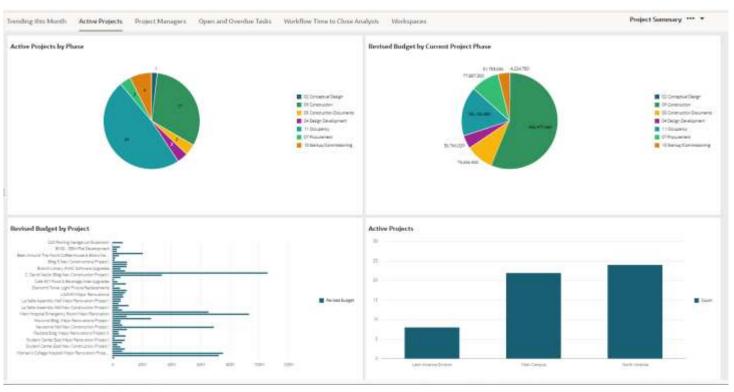
















20+

Years of experience building, implementing and supporting the most comprehensive Project Controls platform

100s

Of implementations, providing experience and proven business processes as the foundation for the Unifier Accelerator

55+

Business processes as a starting point to customize and add to. Accelerate implementation and improve process management across all phases of the project and asset lifecycle

OCI

Self-hosted by Oracle on Oracle Cloud Infrastructure. Will be available on-premise in January, 2024.

350+

Pre-built reports, layouts and dashboards to be used as-is, added to, or configured to meet the needs of any organization.

Executive reports leverage
Oracle Analytics Publisher used by leading ERP systems

8

Fully translated into 8 languages to serve the Americas, Europe, Asia and the Middle East.
Supports multiple languages on a single project, 183 currencies and unlimited exchange rates

150+

Successful system integrations with scheduling, ERP, finance and analytics systems using Oracle's own REST based APIs and middleware

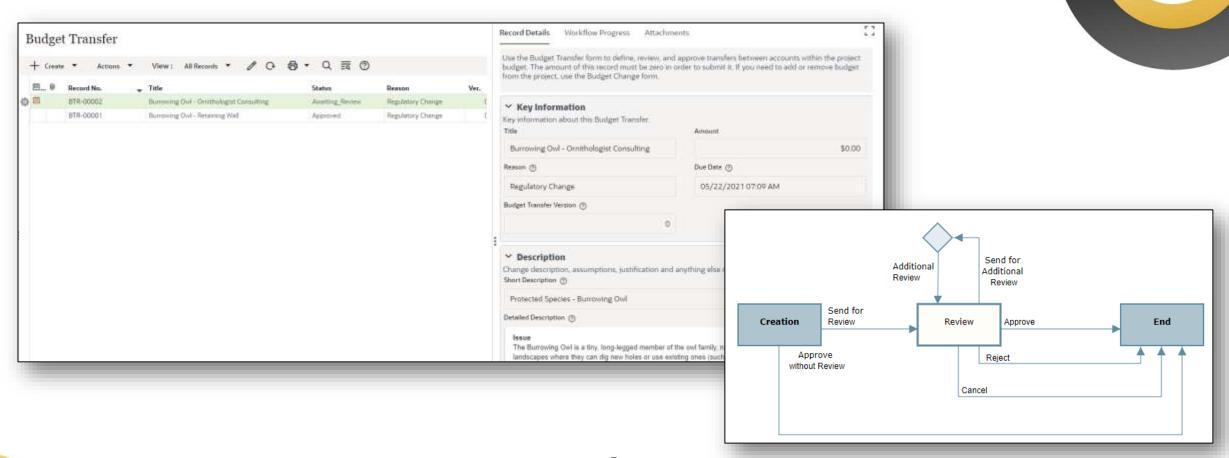
24/7

Support offered by a financially stable industry leader with a long history of industry recognition and a proven track record of providing a superior ownership experience





Business Process



Forms

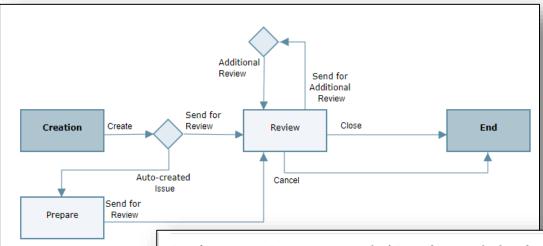


WorkFlow





Workflow Layout & Audit Log





Linked Mail Attachments Linked Records Workflow Progress Audit Log Reference Records Comments

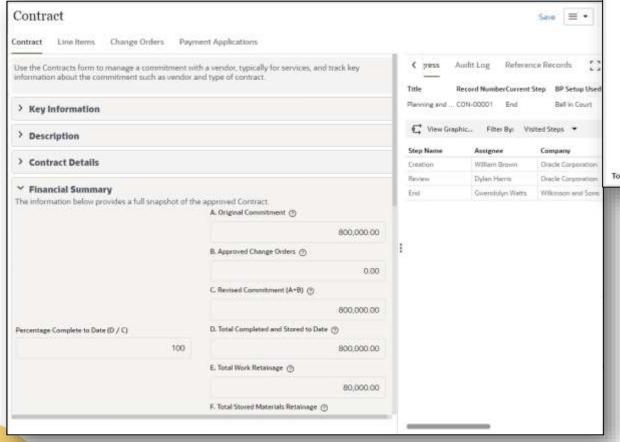
Audit Log: ISS-0001

Date 🕌	Event	Action	Field	Old Value	New Value	User Name	Proxy User	Attachment
04/22/2021 05:47 AM	Auto Creation of "Change Re	The Auto Creation condit	New Change Req					
04/22/2021 05:47 AM	Workflow>Review	Additional Review	Send to		William Brown: Or	William Brow		
04/22/2021 05:47 AM	Linked Records	Attach 'RFI-00001'				William Brow		
04/22/2021 05:46 AM	Linked Records	Remove 'RFI-00001'				William Brow		
04/22/2021 05:46 AM	Linked Records	Attach 'RFI-00001'				William Brow		
04/22/2021 05:45 AM	Auto Creation of "Change Re	The Auto Creation condit	New Change Req					
04/22/2021 05:45 AM	Workflow>Creation	Send for Review	Send to		William Brown: Or	William Brow		





Contract Management

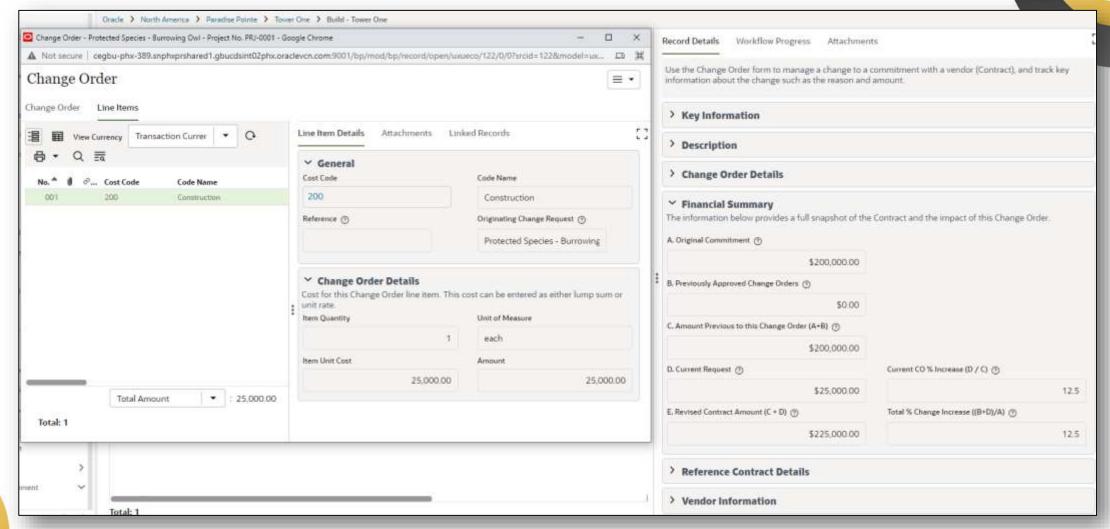








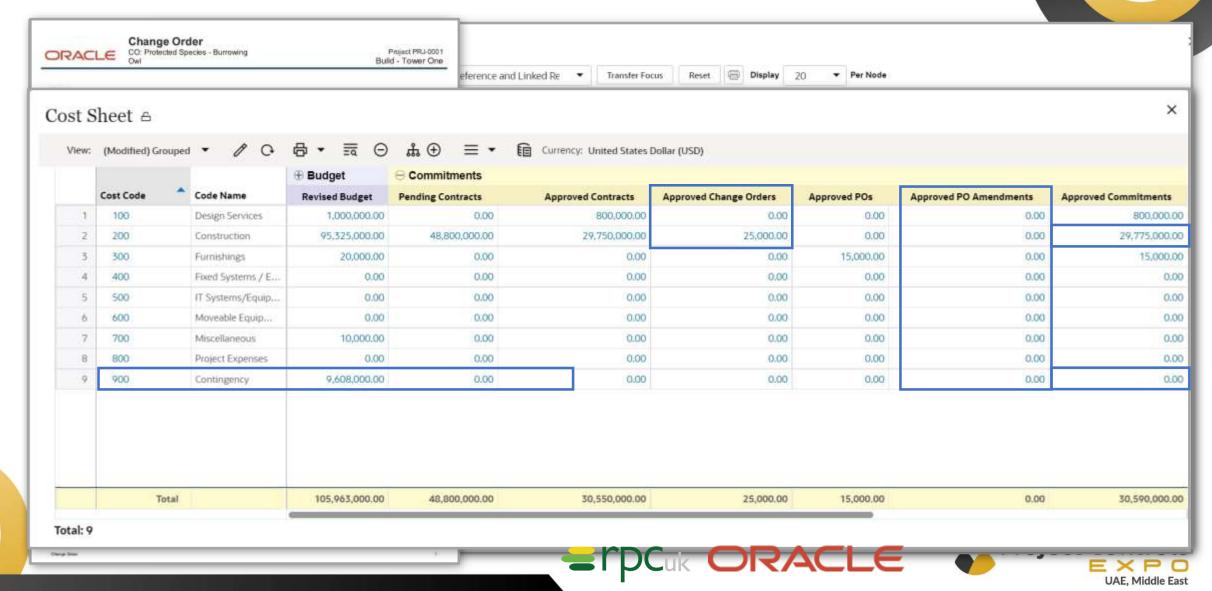
Change Management



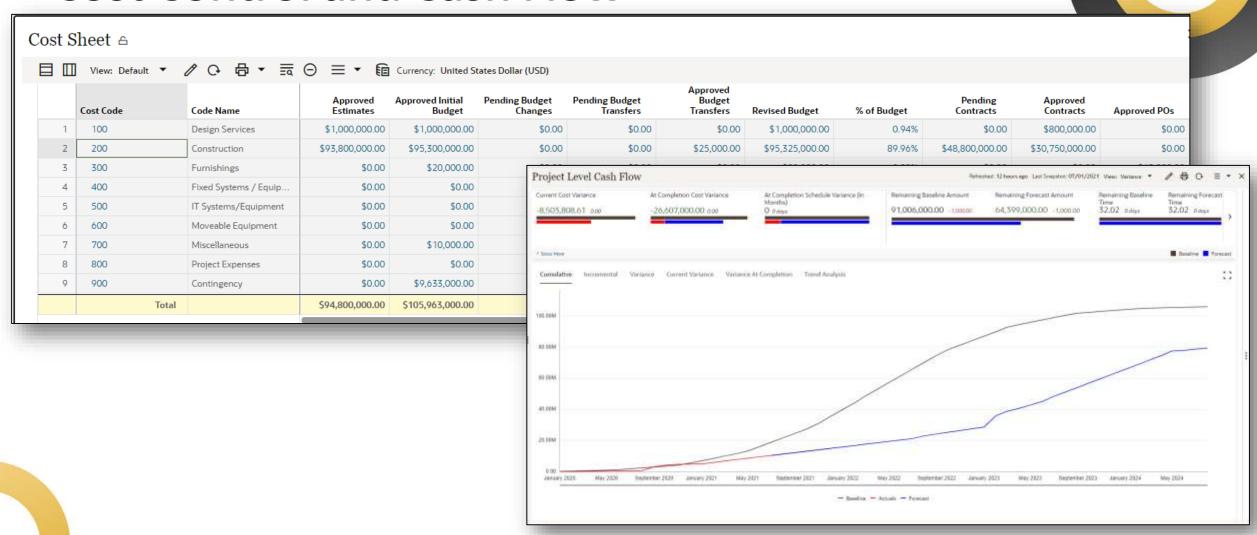




Build | Change Management



Cost Control and Cash Flow







Business Process List

Planning

Portfolio Management

Funding and Budget Management

Initial Budget **Budget Change** Design

Document Management and Submittals

Submittal Package Submittal **Document Approval** **Procurement**

Contracts and Procurement

Request for Bid (2) Contract

Purchase Order

Master Service Agreement

Work Release

Notice to Proceed

Change Request

Potential Change Order

Change Order

Change Directive

PO Amendment

Payment Application

Journal Entry

Miscellaneous Cost

Construction

Field Management

Architect's. Supp. Instruction Daily Report Field Observation Site Photo

Closeout

Lessons Learned Closeout Checklist Owner Walk Through Punch List Item Warranty

Libraries

- Standard Issues
- Areas
- Specification Sections
- Folder Templates
- Roles

Vendor Management







Custom Reports (34)

Organization Level (20)

Cash Flow History

Cash Flow Roll-Up

Cost Sheet Summary

Open/Overdue Tasks Summary

Project Comparison

Project Details

Project Phase Summary

Project Schedule Summary

Project Summary

Project Summary (Excel)

RFI Log

Schedule Lookahead

Text Search

Administrative - BP Documentation - User Documentation View

Administrative - BP Documentation - Developer View

Administrative - BP Access Control - by BP

Administrative - BP Access Control - by Group

Administrative - Usage Analysis

Administrative - User Group Membership - by Project

Administrative - User Group Membership - by User

Program Level (2)

Program Cost Sheet
Program Project Summary

Project Level (12)

Cash Flow History

Cash Flow Report – Default

Cash Flow Report - Quarterly Summary

Commitment Summary

Open/Overdue Tasks

Project Cost Report

Project Details

RFI Log

Schedule Lookahead Gantt chart

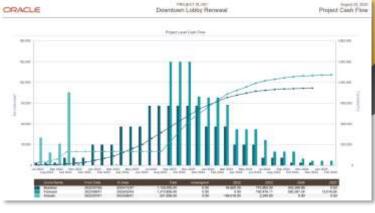
Schedule Report – Gantt by Month

Not Started

2023/10/02 2029/10/08

Schedule Report - Gantt by Week

Text Search









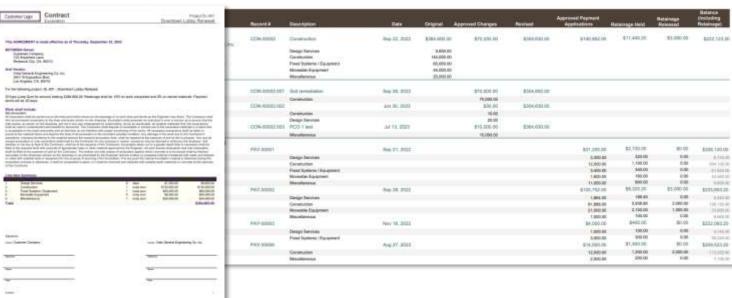


Custom Prints (58)

Organization Level (4)

Project Level (54)





User Defined Reports (186)



	Document Manager Revision	ons					
K01: Renovation Project1	-			_	us o		08/11/2023
File Name	Title	File Size	Upload Date	Issue Date	Pub No.	Rev No.	Upload By
Renovation Projectl	2						
03 Design Drawing Management/03.06 Design Reviews/Preliminary Design.pdf							
Preliminary Design.pdf	Preliminary Design	188549	08/11/2023	08/01/2023	1	1	Company Administrator
Preliminary Design pdf	Preliminary Design Rev 2	188549	08/11/2023	08/04/2023	2	2	Company Administrator
Preliminary Design pdf	Prelim Design Rev 2 (SK markup)	188549	08/11/2023	08/07/2023	3	2	Company Administrator
Preliminary Design.pdf	Preliminary Design Final	188549	08/11/2023	08/11/2023	4	3	Company Administrator





Shell Dashboards (80)

Organization Level (46)

Project Summary (41)

- Trending This Month
- Active Projects
- Project Managers
- Open and Overdue Tasks
- Workflow Time to Close Analysis
- Vendor Management
- Change Management
- Contingency

Cost Analysis (4)

- Cost Analysis by CBS
- Cost Analysis by Region/Site/Bldg/Project

MWBE / Diversity Tracking (1)

Diversity Tracking

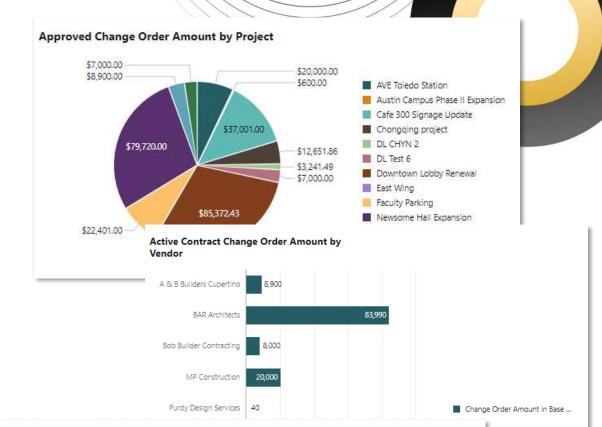
Program Level (4)

Program Summary (4)

Project Level (30)

Project Controls

- Cost Controls (7)
- Project Management (6)
- Field Management (10)
- Manage by Exception (3)
- Cost Sheet (1)
- Open and Overdue Tasks (2)
- Project Feed (1)



List (Balance to Finish in Project Currency)

Project Name	Project Number	Contract Title	Change Order Title	Change Order Record Number	Vendor Name	Contract Amount in Base Currency	Amount in Base Currency	Amount in Project Currency	Amount in Project Currency	Including Retainage (C - I - J)	Amount as % of Contract Amount
Cafe 300 Signage Update	CAFEA-001	Architectural Services	Hurricane Debri Cleanup	CON-00002.001	BAR Architects	15,000	5,000	15,000	5,000	38,500	33.33
Cafe 300 Signage Update	CAFEA-001	Architectural Services	Hurricane Debri Cleanup	CON-00002.003	BAR Architects	15,000	5,000	15,000	5,000	38,500	33.33
Cafe 300 Signage Update	CAFEA-001	Architectural Services	Neon Sign Code	CON-00002.004	BAR Architects	15,000	26,500	15,000	26,500	38,500	176.67
Cafe 300 Signage Update	CAFEA-001	Architectural Services	Sitework	CON-00002.002	BAR Architects	15,000	500	15,000	500	38,500	3.33
Cafe 300 Signage Update	CAFEA-001	RAP Test 1	CO 1	CON-00003.001	BAR Architects	100	1	100	1	101	1





Integration Framework 📉 🔤 and Experience ORACLE ORACLE. Fusion Applications E-Business Suite S > SharePoint ORACLE AUTODESK" Projects Work and Asset **BIM 360** ORACLE' **ERP** Management JD Edwards ORACLE! ORACLE' Primavera P6 NetSuite HARD Financial Management Microsoft ORACLE! DELPHI Dynamics 365 Aconex W ORACLE! ORACLE Construction and Primavera OPPM ORACLE! Primavera Cloud 20° ORACLE Primavera Unifier SQL Server salesforce REST/Web Services HTML +ableau Customer Other Files **Systems Applications** CSV **Project Controls** k ORACLE



= Cuk





Introduction to RPC

PEOPLE



Experts with first class project controls skills



Quality generic skills and Oracle Primavera product training

PROCESSES



Best practices



Proven methodologies



Recognised standards

PRODUCTS



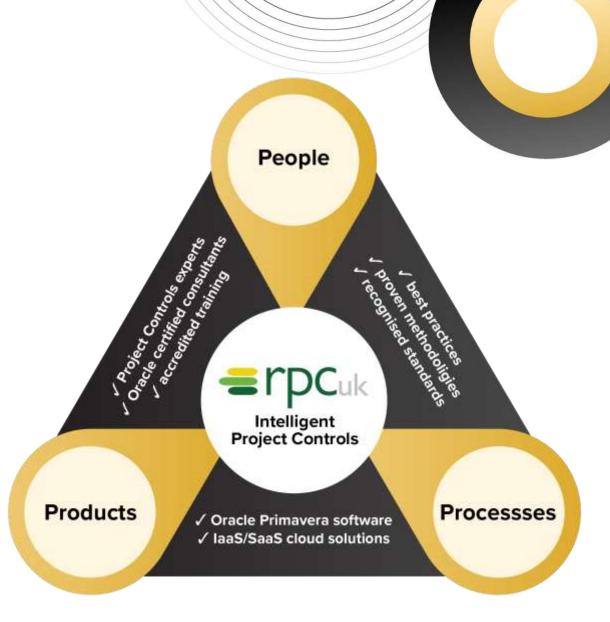
World leading Oracle Primavera software



🎎 OBIEE, BI Publisher and UPK



laaS/PaaS/SaaS cloud solutions

































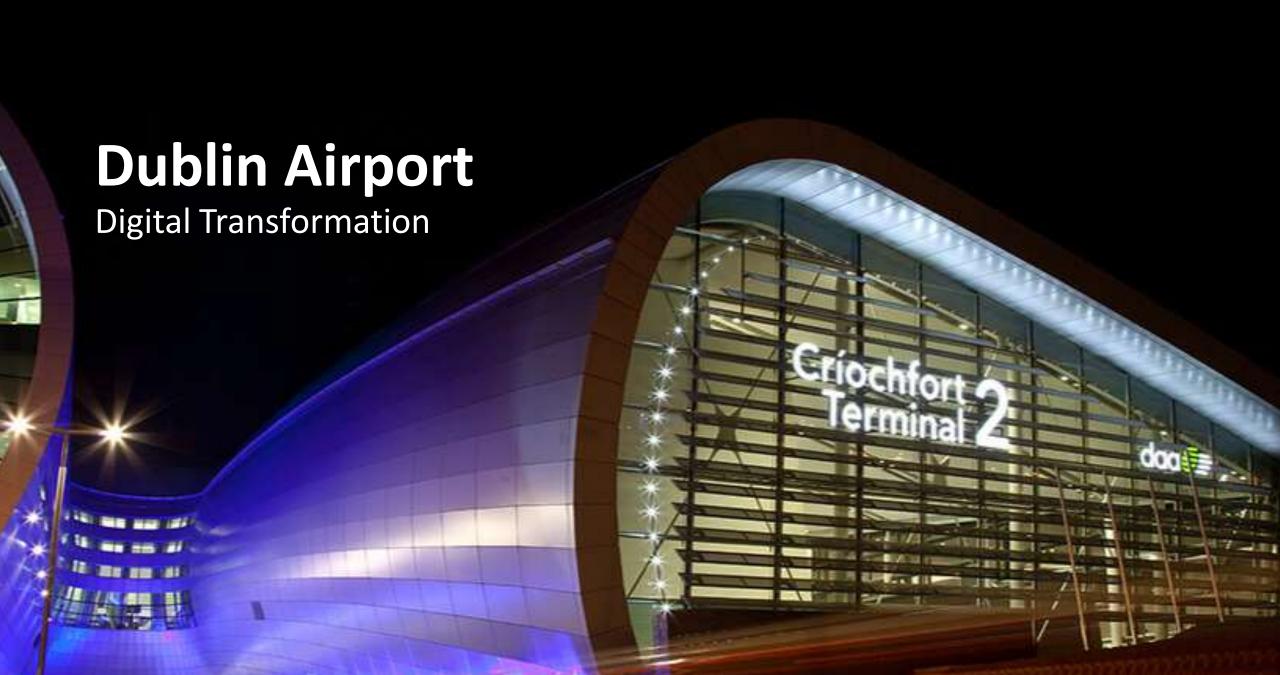












About Dublin Airport

NUMBER OF PROJECTS

NUMBER OF PROJECTS

140+

€1.7bn

INVESTMENT PROGRAMMES

€450m €200m+ South Apron

€600m

North Apron Capital Maintenance €200m+

€250m

Airfield

Piers & Terminals

OVER
180
DESTINATIONS

2400+
DEPARTING
FLIGHTS
PER WEEK

12TH BEST CONNECTED AIRPORT IN EUROPE

+31.5m

44+
AIRLINES





Challenges



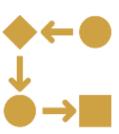
Complying with contracts and obligations



Understanding trends and lessons learned



Reporting across portfolio



Managing key contract, cost and schedule information split across multiple systems



Consistency across contracts

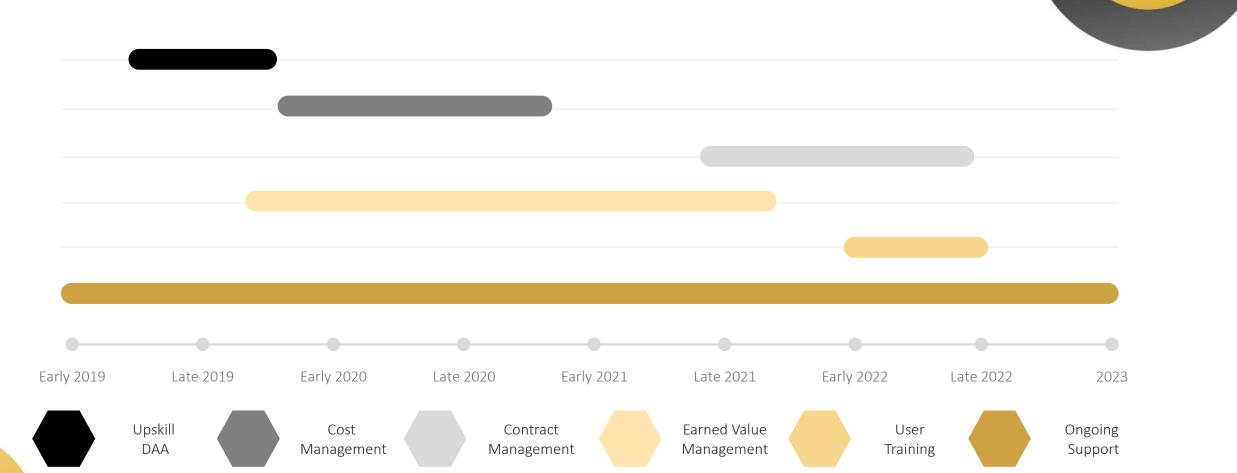


Accessing information hidden in spreadsheets and attachments





Timeline







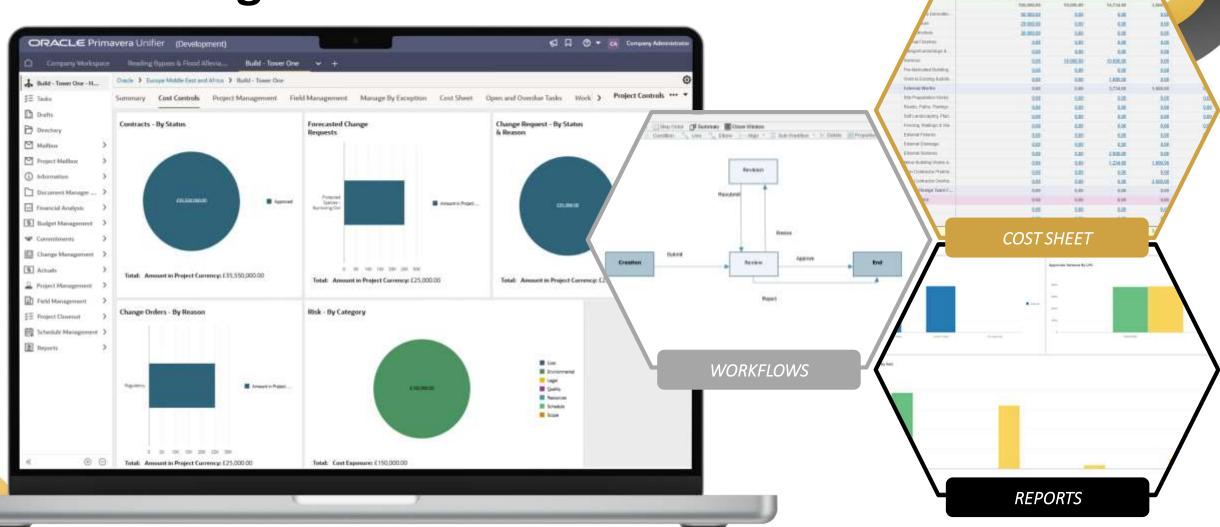
Cost Management







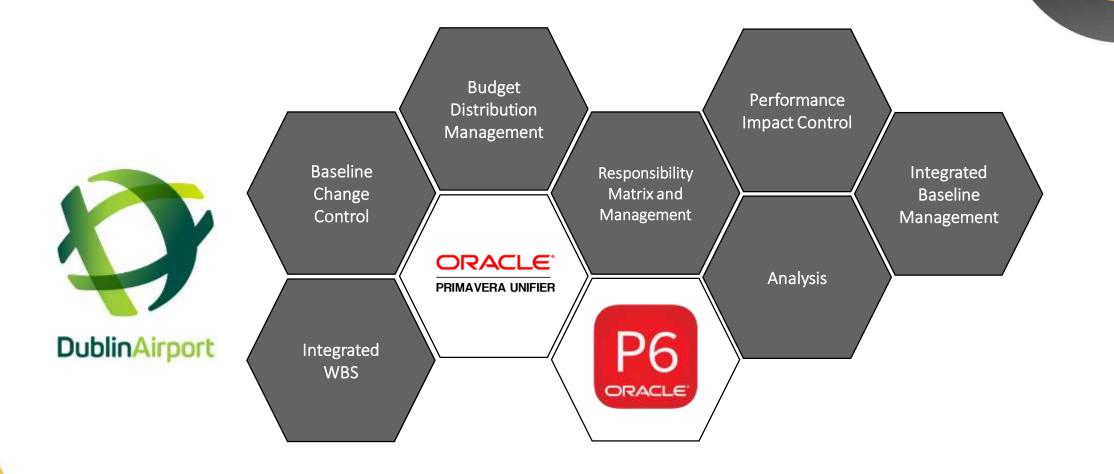
Cost Management







Earned Value Management







Earned Value Management



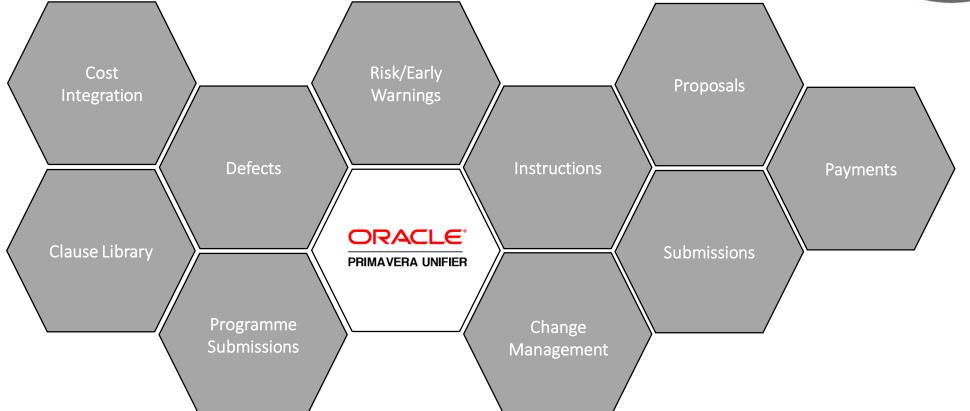




Contract Management



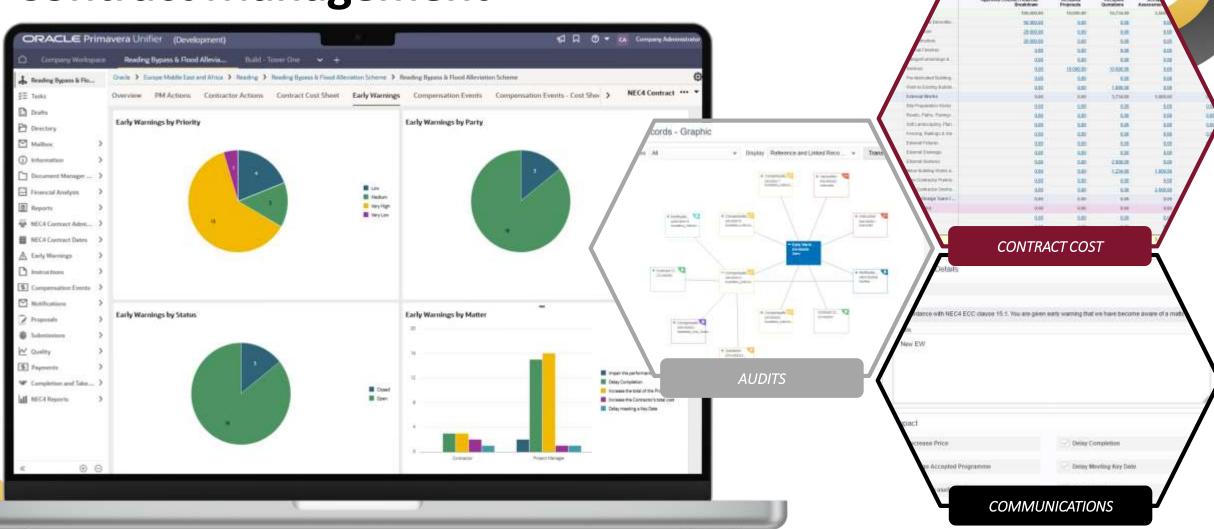








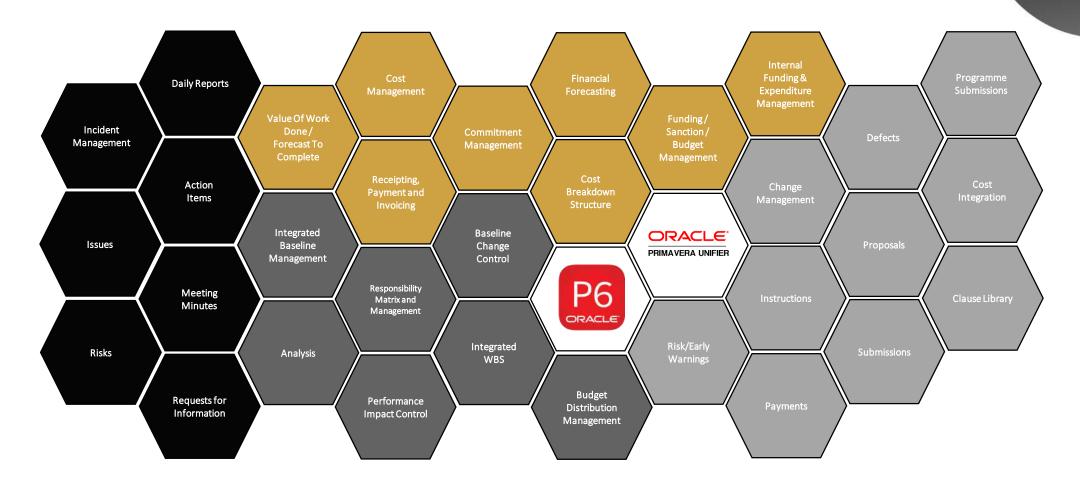
Contract Management







Project Controls Platform







Project Controls Platform









One Platform for Cost, Contract & Earned Value



Improved Visibility across Portfolio







Project Controls Platform

A short video detailing our work with Dublin Airport is available to view on our website. Please visit the below URL or ask at the end of the presentation for a link to be emailed to you.



www.rpc.uk.com/case-studies/daa-case-study-video











