

15 - 16 November, Wembley Stadium, UK






Integrated, expandable, flexible and connectable: deploying Oracle's Primavera Unifier to deliver a fully integrated project controls solution at Dublin Airport Authority



# Speaker






**NATHAN LAMBERT**

-  Senior Consultant
-  NEC3/4 Geek
-  15 Years Experience



**MARK O'BRIEN**

-  QS and Programme Controls Professional
-  Commercial Management
-  Goal Driven Personality

# Introduction to RPC

## PEOPLE

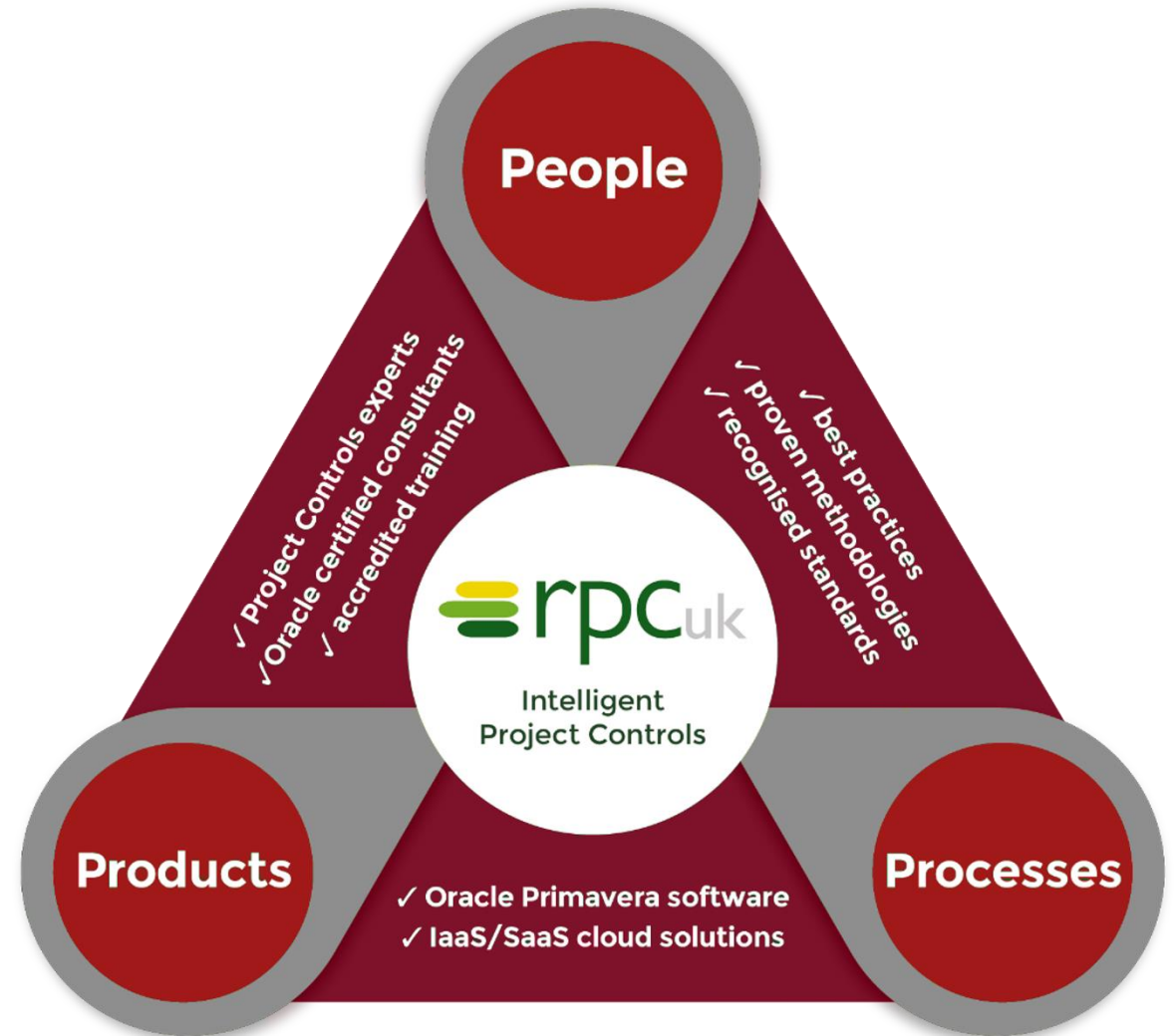
- ✓ Experts with first class project controls skills
- ✓ Quality generic skills and Oracle Primavera product training

## PROCESSES

- ✓ Best practices
- ✓ Proven methodologies
- ✓ Recognised standards

## PRODUCTS

- ✓ World leading Oracle Primavera software
- ✓ OBIEE, BI Publisher and UPK
- ✓ IaaS/PaaS/SaaS cloud solutions



**east  
west  
RAIL**

  
Ministry  
of Defence

 de&s

**daa** 

 ROLLS  
ROYCE

 **Marshall**

 **ALTERNUS**  
ENERGY

**NetworkRail**  


**babcock™**

**BAE SYSTEMS**

**ORACLE** | Partner

**MBDA**  
MISSILE SYSTEMS

**M**  
**M**  
MOTT  
MACDONALD

 **LEONARDO**

 **edf**

 **Project Controls**  
EXPO  
London, UK

# Contract Administration & Compliance



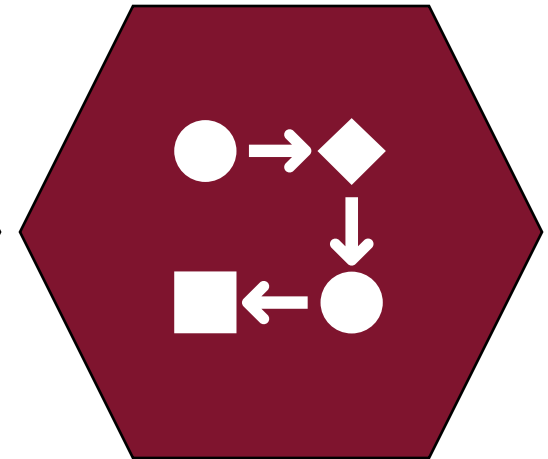
**Inconsistent  
Forms**



**Unreliable Data**



**Late Response  
Times**



**Manual  
Workflows**

# About DublinAirport

NUMBER OF PROJECTS

140+

NUMBER OF PROJECTS

€1.7bn

INVESTMENT PROGRAMMES

€450m South Apron  
€200m+ North Apron  
€600m Capital Maintenance

€200m+ Airfield  
€250m Piers & Terminals

OVER  
180  
DESTINATIONS

2400+  
DEPARTING  
FLIGHTS  
PER WEEK

DUBLIN TO  
LONDON -  
EUROPE'S  
BUSIEST  
CITY ROUTE



12<sup>TH</sup> BEST  
CONNECTED  
AIRPORT IN  
EUROPE

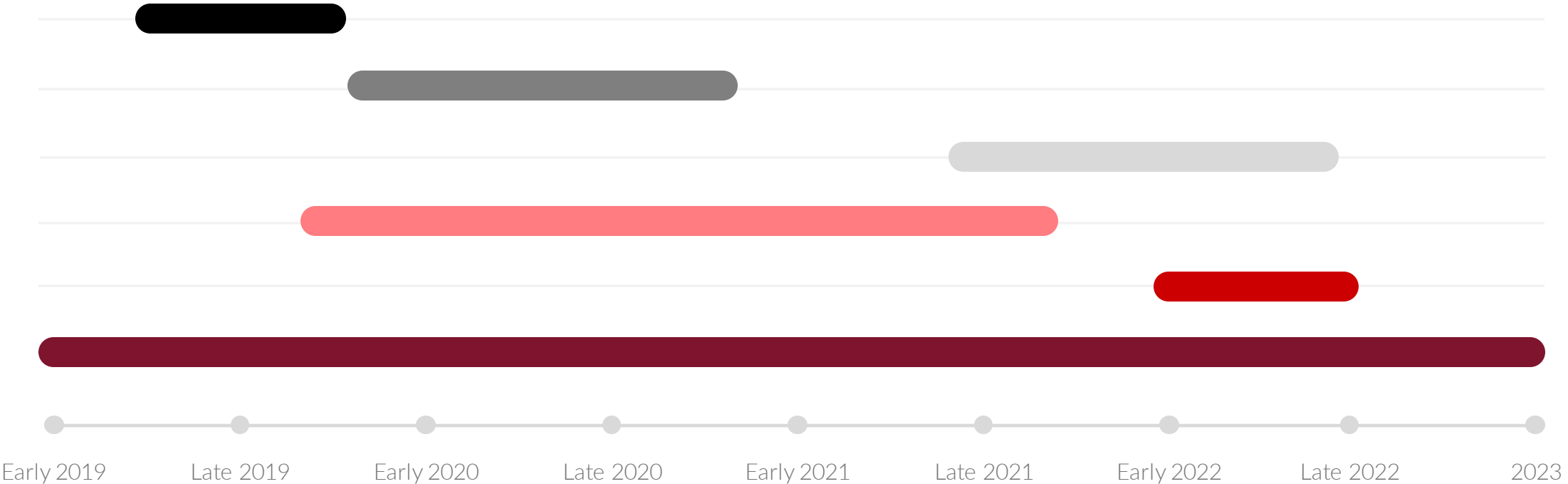


+31.5m  
PASSENGERS

44+  
AIRLINES



# Timeline



-  Upskill DAA
-  Cost Management
-  NEC4 Contract Management
-  Earned Value Management
-  User Training
-  Ongoing Support

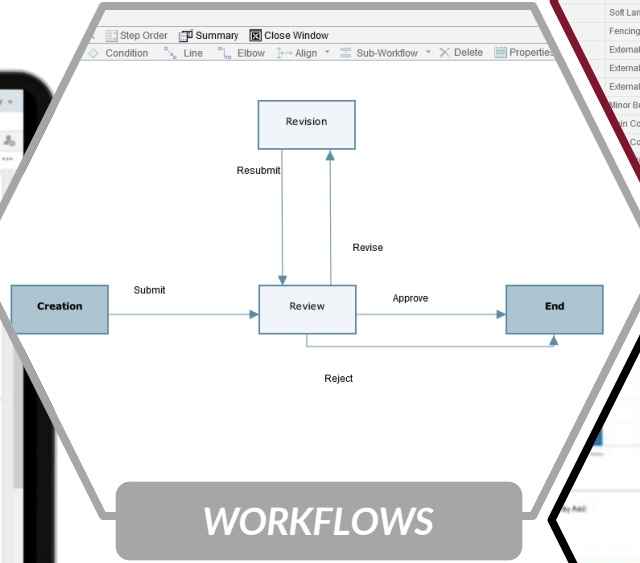
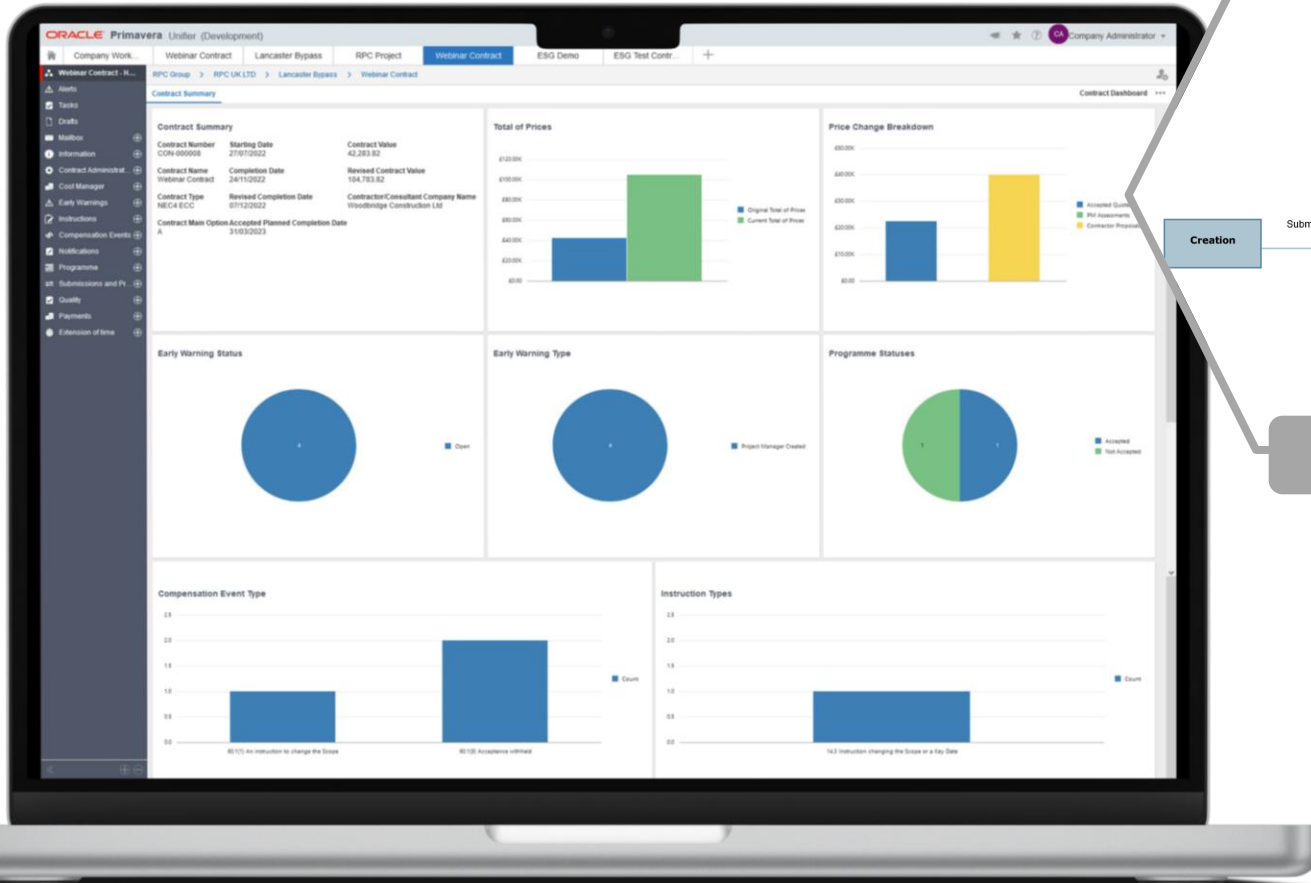


# Cost Management





# Cost Management



**WORKFLOWS**

	Approved Contract Financial Breakdown	Accepted Proposals	Accepted Quotations	Accepted Assessments
Demolition...	100,000.00	10,000.00	14,734.00	3,500.00
Structure	50,000.00	0.00	0.00	0.00
External Finishes	20,000.00	0.00	0.00	0.00
Structure	30,000.00	0.00	0.00	0.00
Roofing/Furnishings & ...	0.00	0.00	0.00	0.00
Services	0.00	10,000.00	10,000.00	0.00
Pre-fabricated Building ...	0.00	0.00	0.00	0.00
Work to Existing Buildin...	0.00	0.00	1,000.00	0.00
External Works	0.00	0.00	3,734.00	1,000.00
Site Preparation Works	0.00	0.00	0.00	0.00
Roads, Paths, Pavings ...	0.00	0.00	0.00	0.00
Soft Landscaping, Plan...	0.00	0.00	0.00	0.00
Fencing, Railings & Wa...	0.00	0.00	0.00	0.00
External Fixtures	0.00	0.00	0.00	0.00
External Drainage	0.00	0.00	0.00	0.00
External Services	0.00	0.00	2,500.00	0.00
Minor Building Works a...	0.00	0.00	1,234.00	1,000.00
Minor Contractor Prelim...	0.00	0.00	0.00	0.00
Minor Contractor Overh...	0.00	0.00	0.00	2,500.00
Design Team F...	0.00	0.00	0.00	0.00
Agency	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00

**COST SHEET**

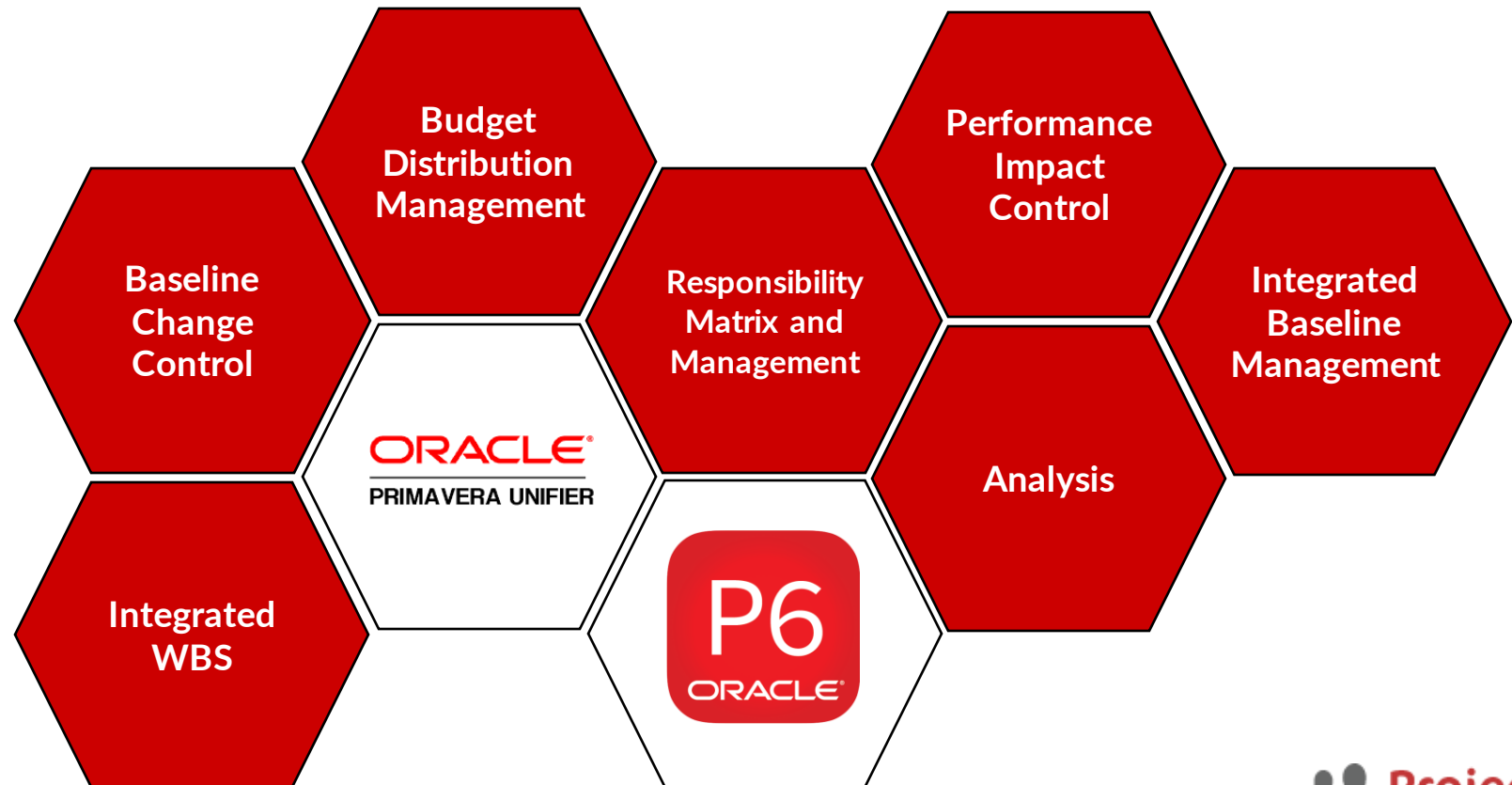


**REPORTS**

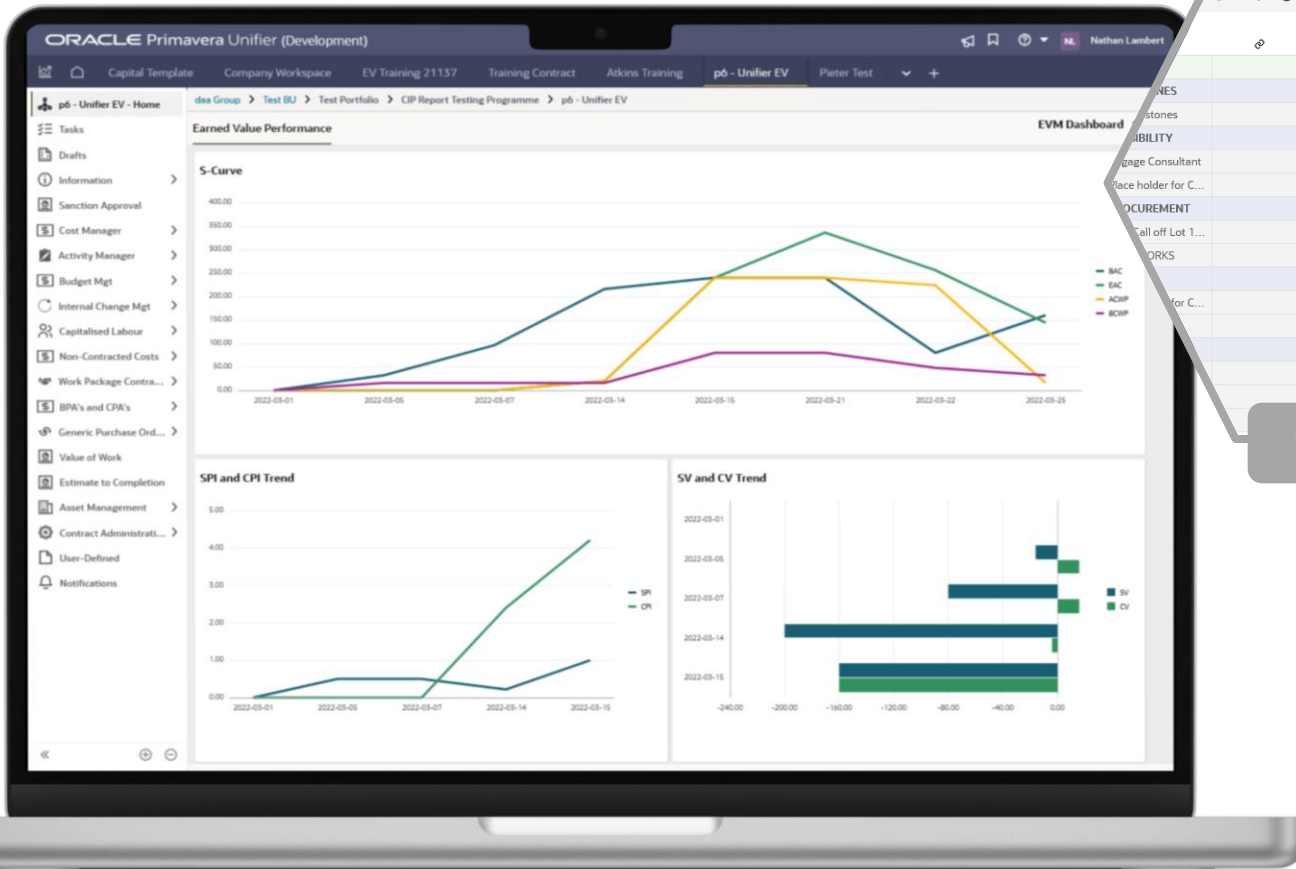
# Earned Value Management



DublinAirport



# Earned Value Management

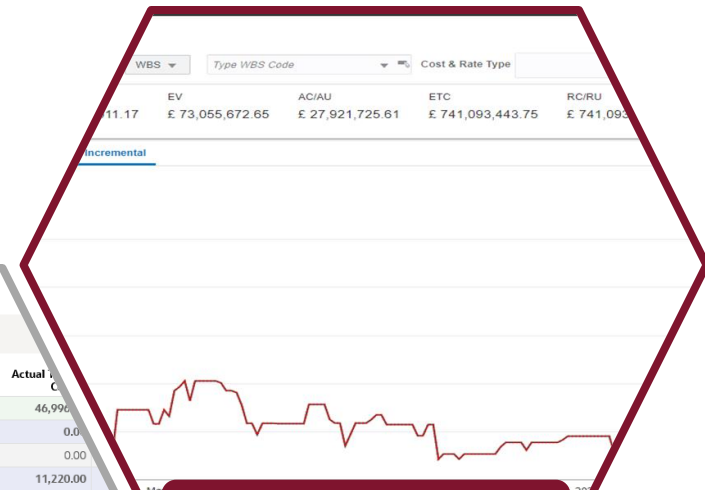


Project: P6 - EVDD21157-1

Currency: Euro (EUR)

	Planned Units	Planned Total Cost	Actual Units	Actual Cost
RESOURCES	1,560	3,913,736.00	0	46,996.00
RESOURCES	0	0.00	0	0.00
RESOURCES	0	0.00	0	0.00
RESOURCES	336	11,220.00	0	11,220.00
RESOURCES	336	11,220.00	0	11,220.00
RESOURCES	0	0.00	0	0.00
RESOURCES	0	0.00	0	0.00
RESOURCES	504	65,000.00	0	0.00
RESOURCES	504	65,000.00	0	0.00
RESOURCES	480	1,240,554.00	0	0.00
RESOURCES	0	43,391.00	0	35,776.00
RESOURCES	0	0.00	0	0.00
RESOURCES	0	43,391.00	0	35,776.00
RESOURCES	160	2,553,571.00	0	0.00
RESOURCES	160	2,553,571.00	0	0.00

WBS & CBS PERFORMANCE



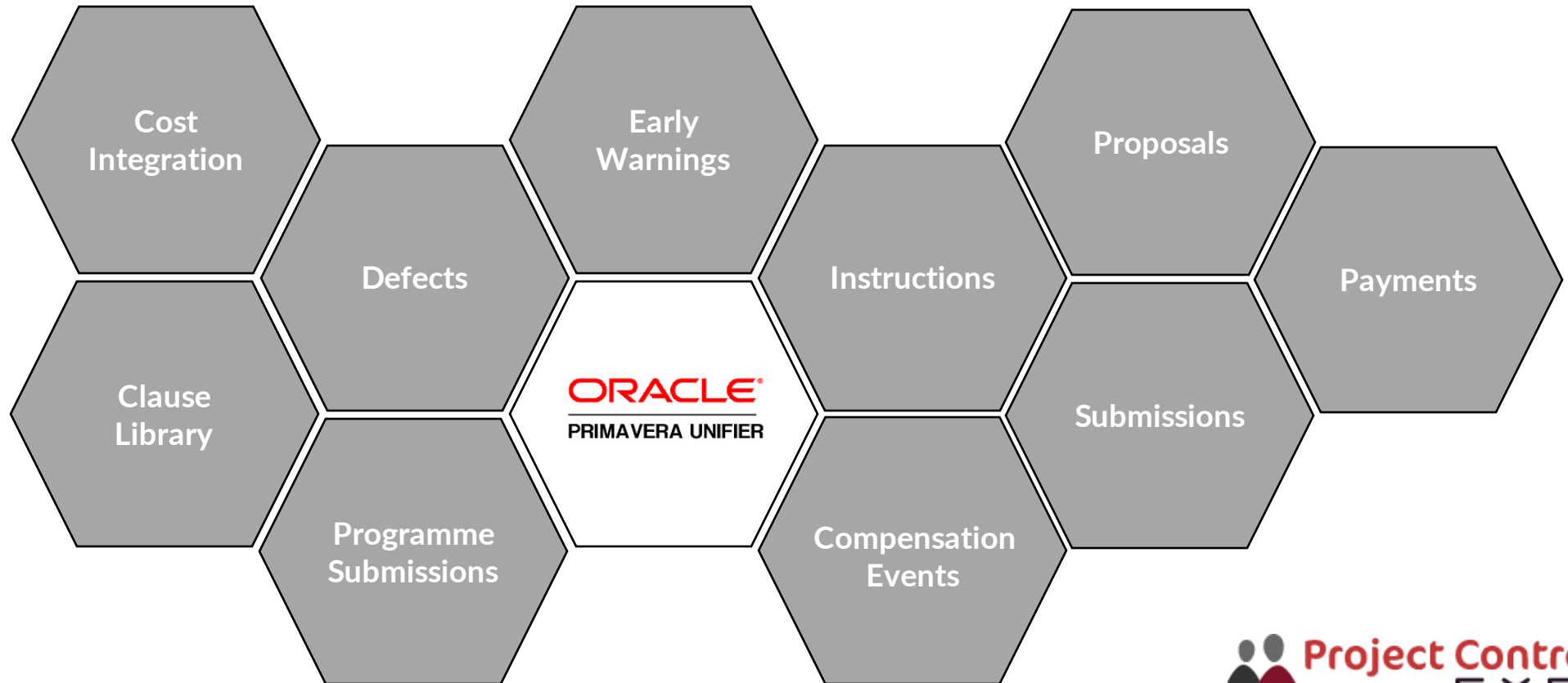
EV CUMULATIVE PERFORMANCE

Currency: Pound Sterling (GBP)

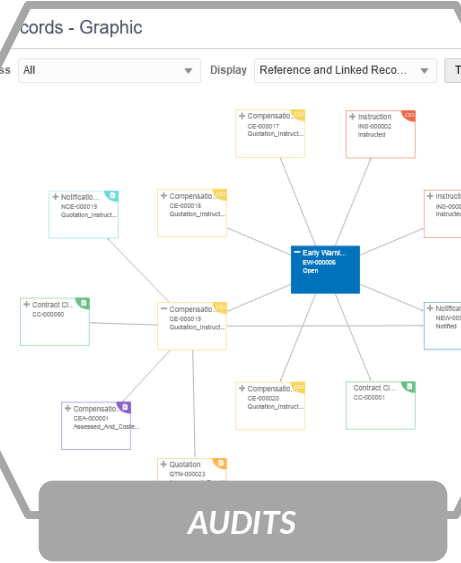
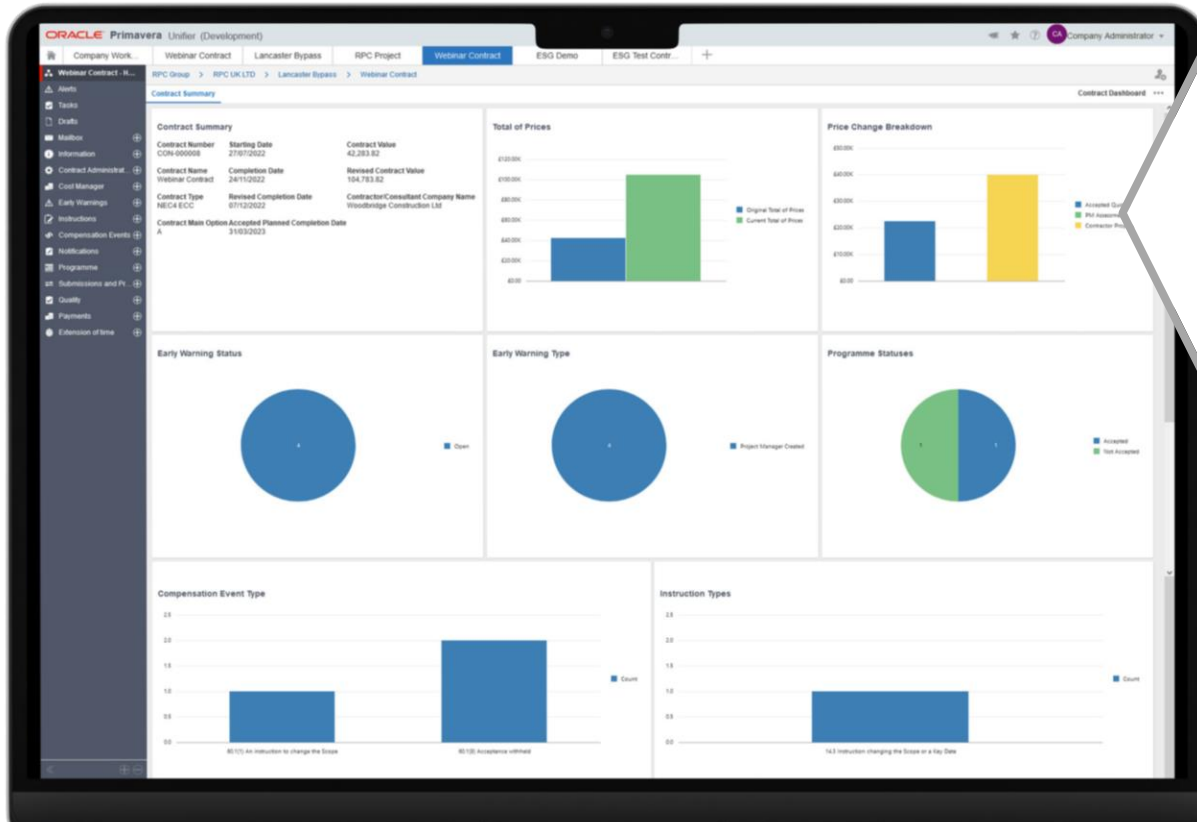
	Project Budget	Approved Sanction	Pending Operating Budget	Operating Budget Reallocation	Cumulative
Total	£3,100,000.00	£3,046,000.00	£20,000.00	£0.00	£ 27,921,725.61
Design Teams	£2,975,000.00	£2,921,000.00	£20,000.00	£0.00	£ 142,843.75
Feasibility	£2,975,000.00	£2,921,000.00	£20,000.00	£0.00	£ 7,764,068.11
Design	£0.00	£0.00	£0.00	£0.00	£ 13,954,811.24
Procurement	£100,000.00	£100,000.00	£0.00	£5,000.00	£ 0.00
Construction	£2,500,000.00	£2,500,000.00	£0.00	£0.00	£ 0.00
Handover	£50,000.00	£0.00	£0.00	£0.00	£ 0.00
Costs (Capitalise...)	£0.00	£0.00	£0.00	£0.00	£0.00
Construction/ Implemen...	£0.00	£0.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£0.00	£0.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£0.00	£0.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£0.00	£0.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£0.00	£0.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£125,000.00	£125,000.00	£0.00	£0.00	£ 0.00
Construction/ Implemen...	£50,000.00	£50,000.00	£0.00	£0.00	£ 0.00

EV INCREMENTAL PERFORMANCE

# Contract Management



# Contract Management



**AUDITS**

	Approved Contract financial Breakdown	Accepted Proposals	Accepted Quotations	Accepted Assessments
	100,000.00	10,000.00	14,734.00	3,500.00
Demolition...	50,000.00	0.00	0.00	0.00
Structure	20,000.00	0.00	0.00	0.00
Structure	30,000.00	0.00	0.00	0.00
Internal Finishes	0.00	0.00	0.00	0.00
Installations/Furnishings & ...	0.00	0.00	0.00	0.00
Services	0.00	10,000.00	10,000.00	0.00
Pre-fabricated Building	0.00	0.00	0.00	0.00
Work to Existing Building	0.00	0.00	1,000.00	0.00
External Works	0.00	0.00	3,734.00	1,000.00
Site Preparation Works	0.00	0.00	0.00	0.00
Roads, Paths, Pavings ...	0.00	0.00	0.00	0.00
Soft Landscaping, Plan...	0.00	0.00	0.00	0.00
Fencing, Railings & Wa...	0.00	0.00	0.00	0.00
External Features	0.00	0.00	0.00	0.00
External Drainage	0.00	0.00	0.00	0.00
External Services	0.00	0.00	2,500.00	0.00
Minor Building Works a...	0.00	0.00	1,234.00	1,000.00
Minor Contractor Prelim...	0.00	0.00	0.00	0.00
Minor Contractor Overh...	0.00	0.00	0.00	2,500.00
Design Team F...	0.00	0.00	0.00	0.00
Agency	0.00	0.00	0.00	0.00

**CONTRACT COST**

Details

Compliance with NEC4 ECC clause 15.1. You are given early warning that we have become aware of a matter...

New EW

Impact

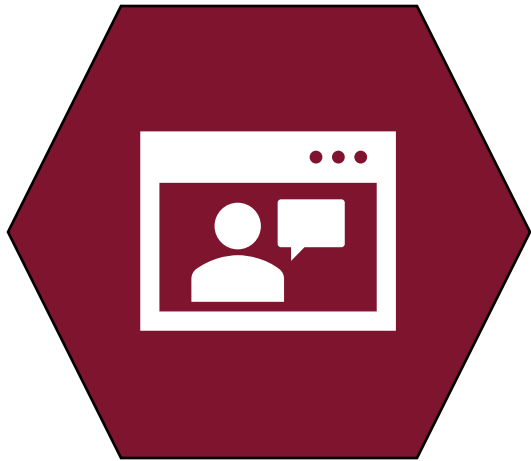
Increase Price  Delay Completion

Accept Programme  Delay Meeting Key Date

user

**COMMUNICATIONS**

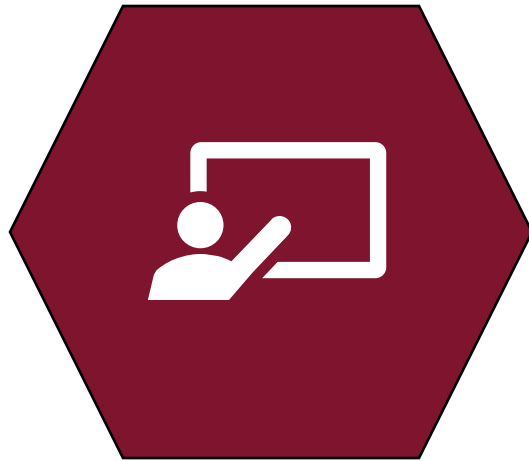
# Contract Management Onboarding



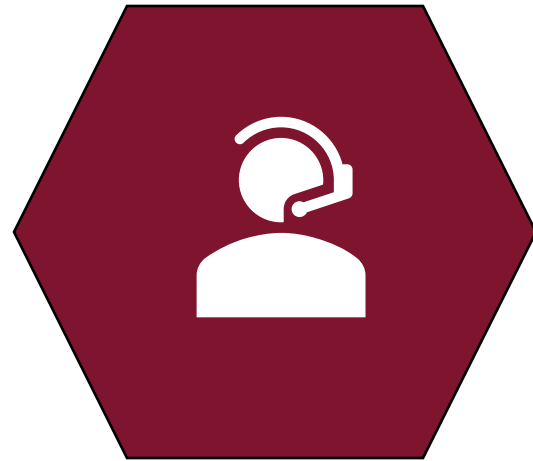
  
Training  
Videos



  
Training  
Guides

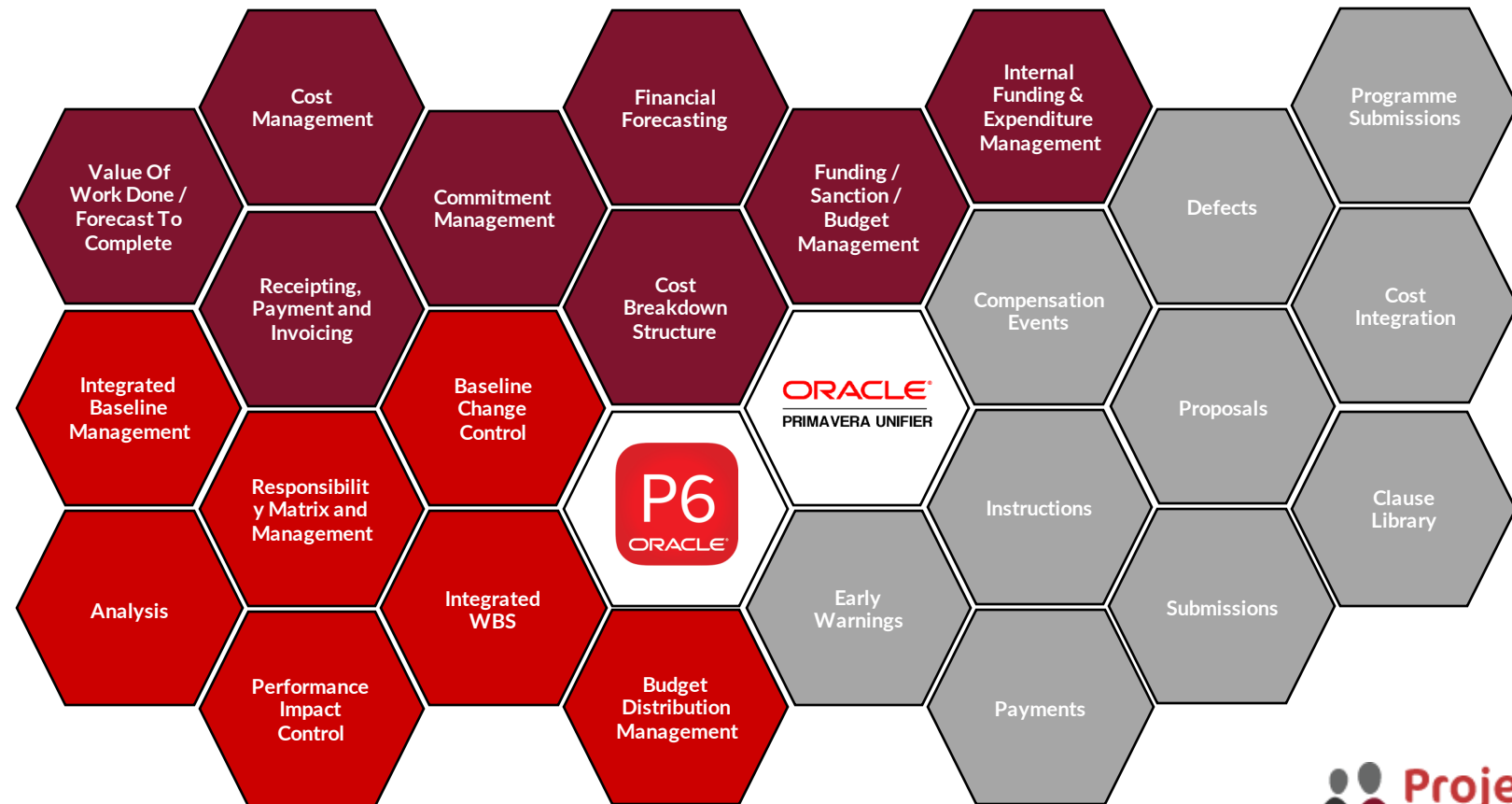


  
Live  
Training



  
Ongoing  
Support

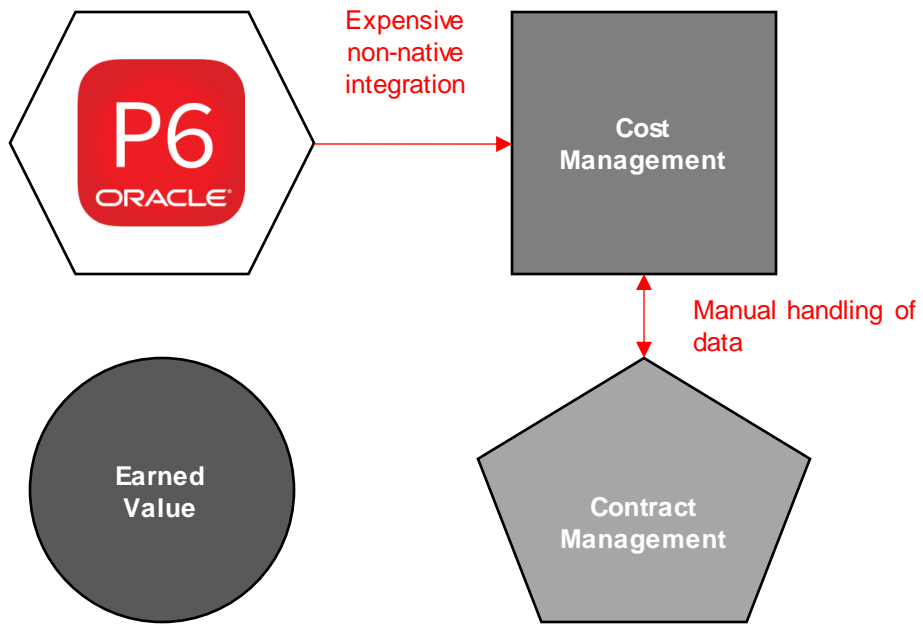
# Integrated Project Controls Platform



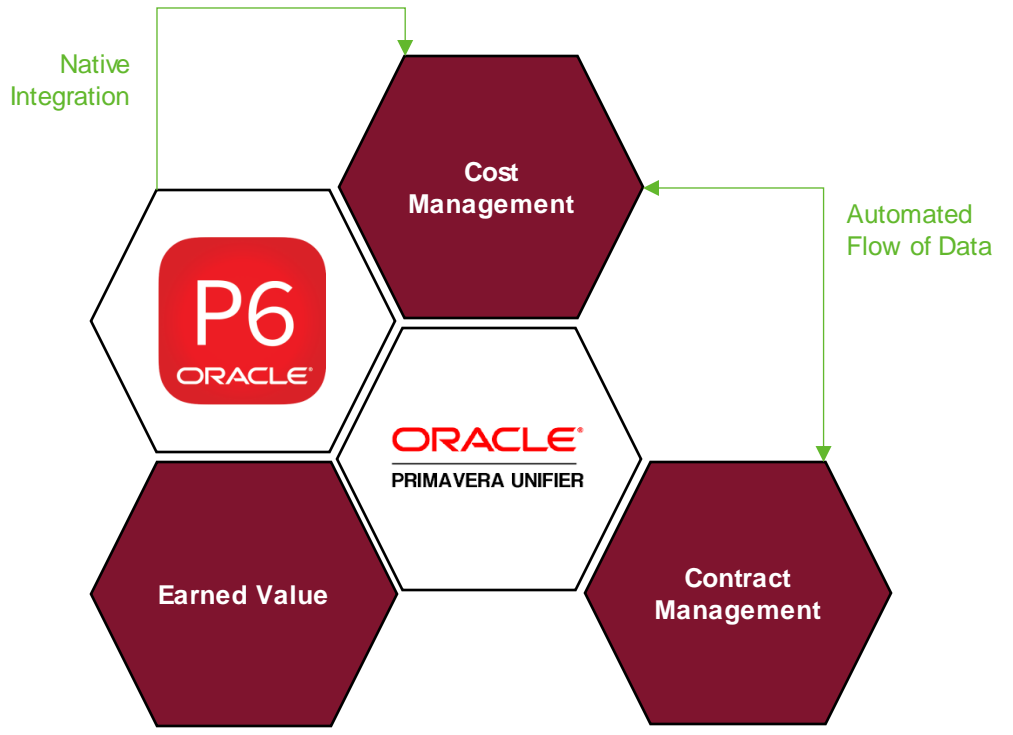


# Dublin Airport Case Study

## Usual Scenario



## Unifier Scenario



# RPC Solution Sets



*PRE-BUILT*



*OUT OF THE BOX*



*CONFIGURABLE*



*ADAPTABLE*

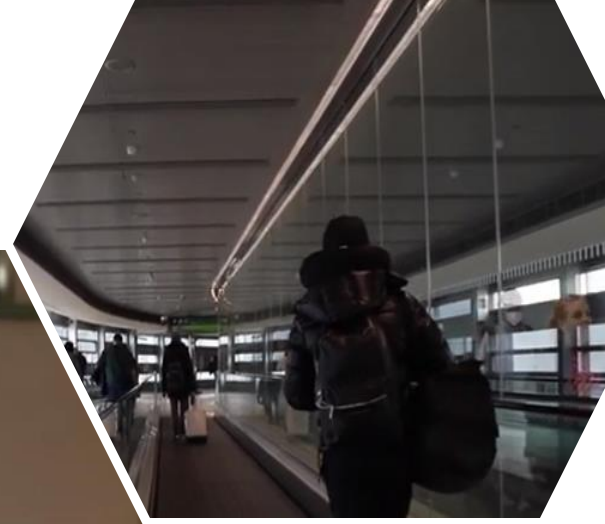


*CONNECTABLE*



# Dublin Airport Case Study

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](http://www.rpc.uk.com/case-studies/daa-case-study-video)

# Thank You



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e: [enquiries@rpc.uk.com](mailto:enquiries@rpc.uk.com)

