

Solar Energy powered by the Cloud. How Oracle Primavera Cloud Service is supporting project acquisition and construction in the renewables sector

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Larry Farrell - Chief Information Officer for Alternus Energy



In this presentation we will be discussing how a major renewables company, Alternus Energy, embarked on a project controls solution to move away from an Excel based solution.

We will be discussing the advantages and benefits of a SaaS solution and in particular why they chose an Oracle cloud application.

Further in depth discussions will talk about the implementation so far, valuable lessons learned along the way and how the transition to an EPC model is being approached.

Finally, we will be discussing the next steps including Portfolio Management, Reporting and Integration.

A Q&A session will allow you the chance to quiz the CIO from Alternus Energy and the system implementer RPCuk on any aspect of the project.





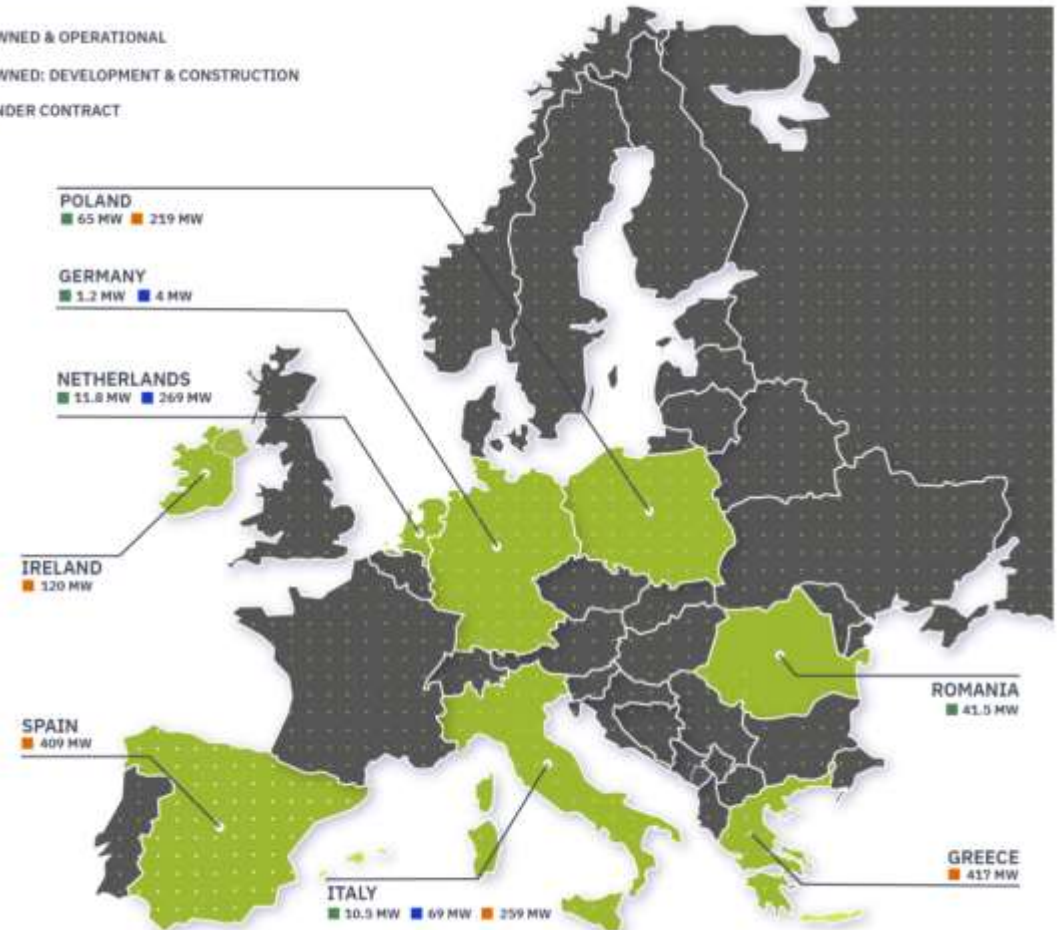


PORTFOLIO

- 130 MWp installed solar PV capacity across 24 solar parks
- Geographically diversified across five European jurisdictions with significant political and environmental support
- All assets contracted on long term government-backed Feed-in-Tariff (FIT) or Power Purchase Agreements (PPA) with investment grade counterparties

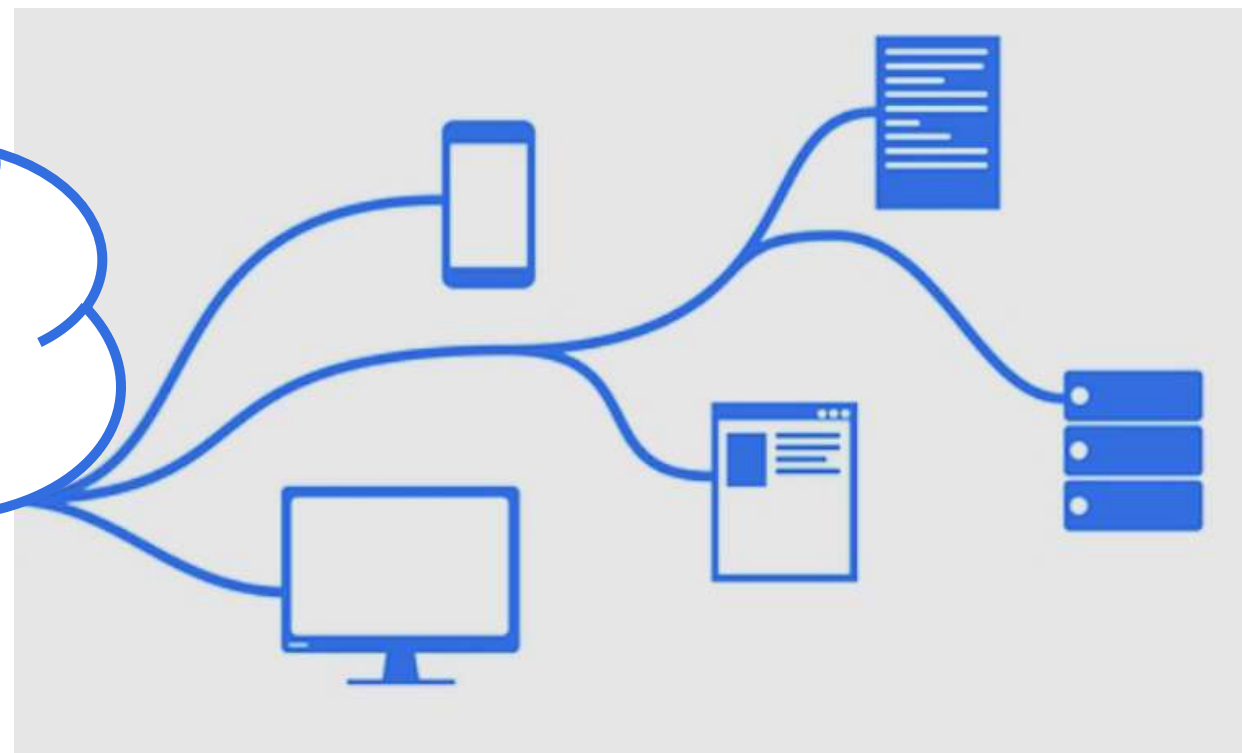


- OWNED & OPERATIONAL
- OWNED: DEVELOPMENT & CONSTRUCTION
- UNDER CONTRACT

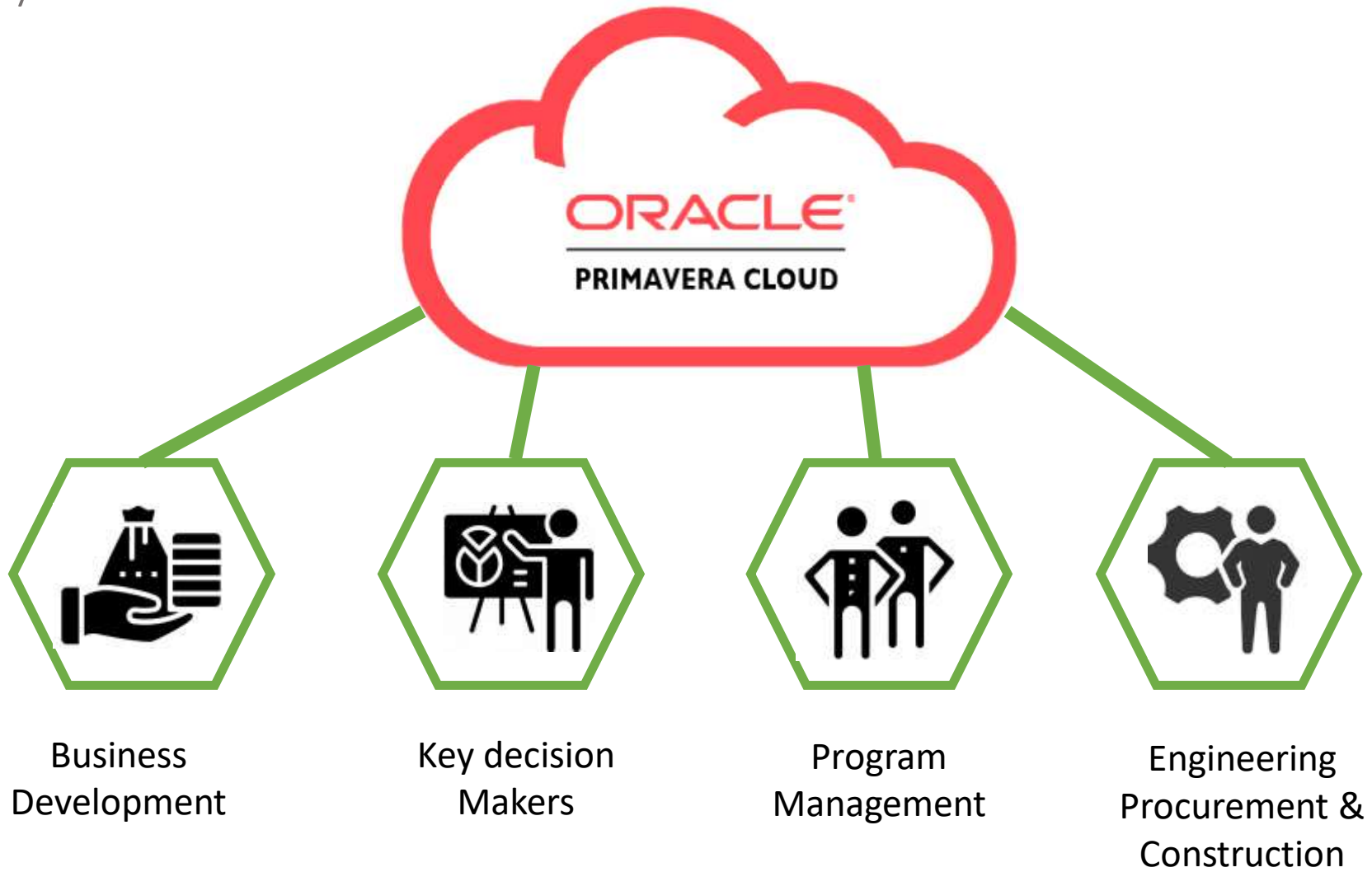


Advantages of an SaaS solution

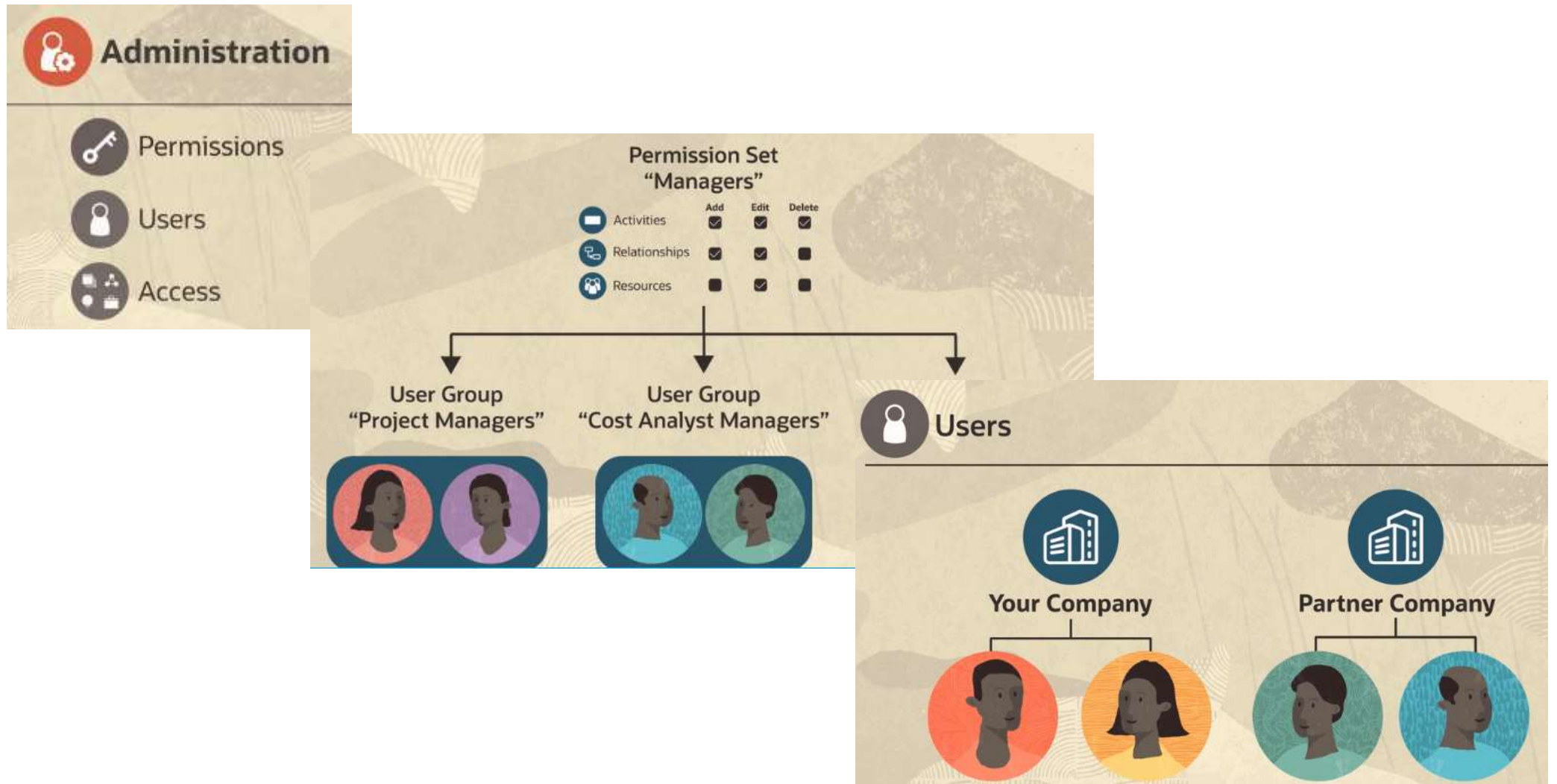
SAAS



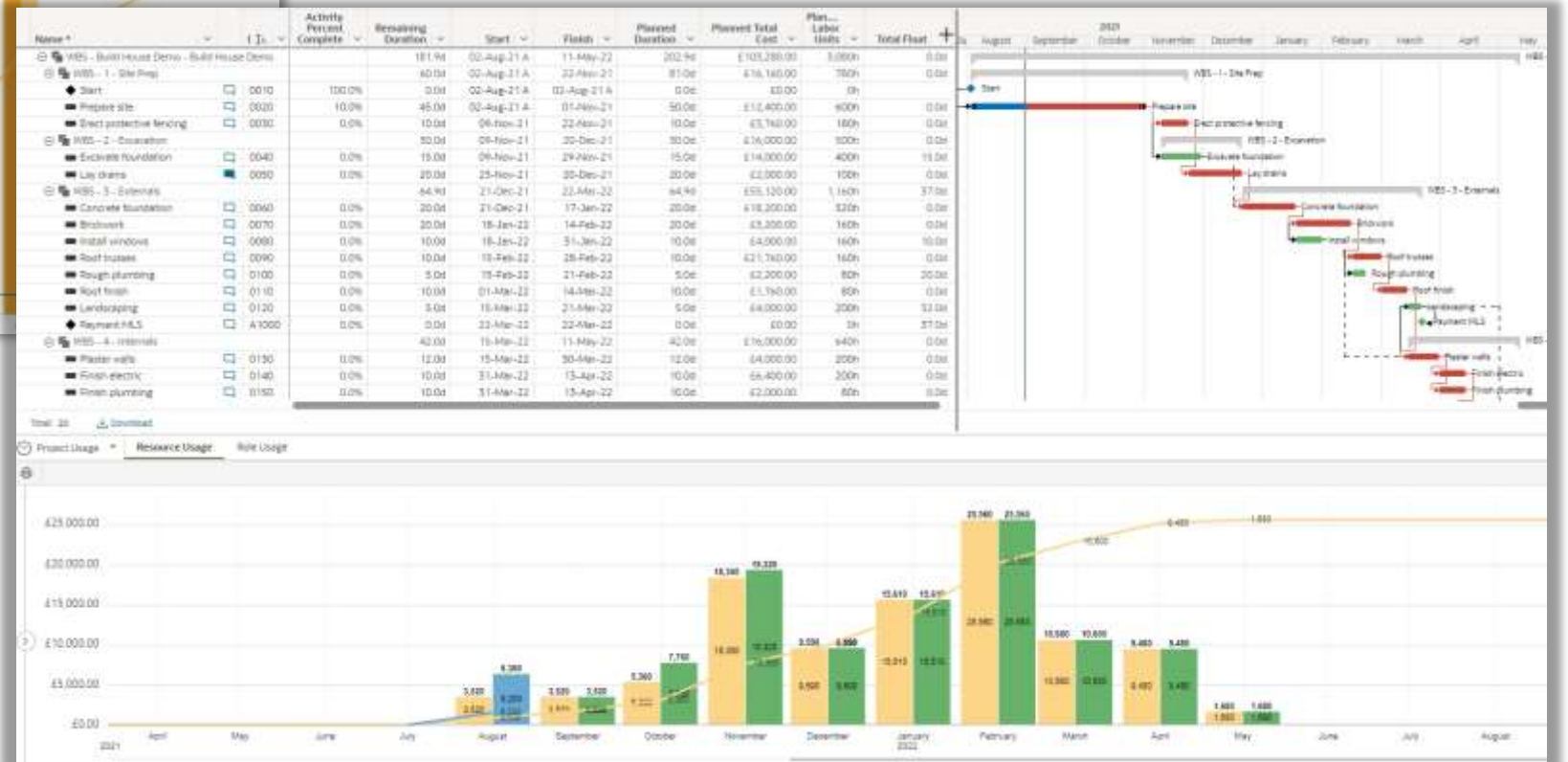
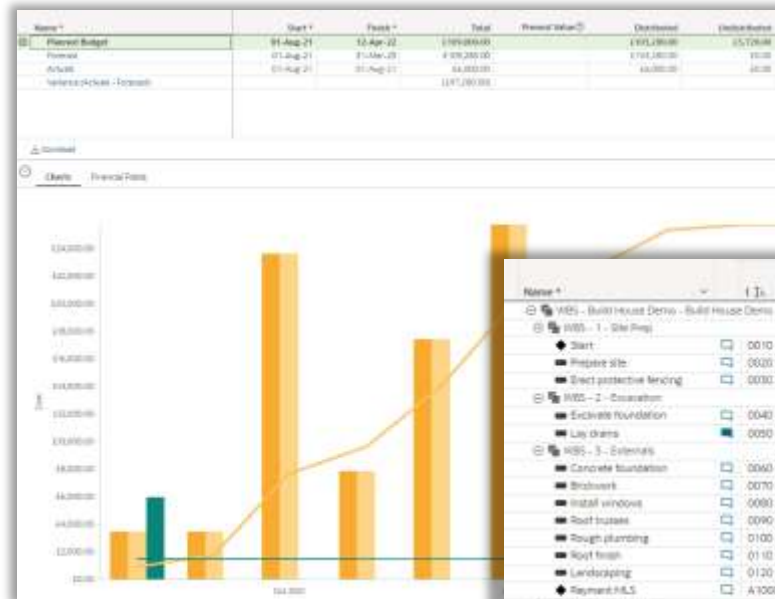
Why choose Oracle?



Implementation to date



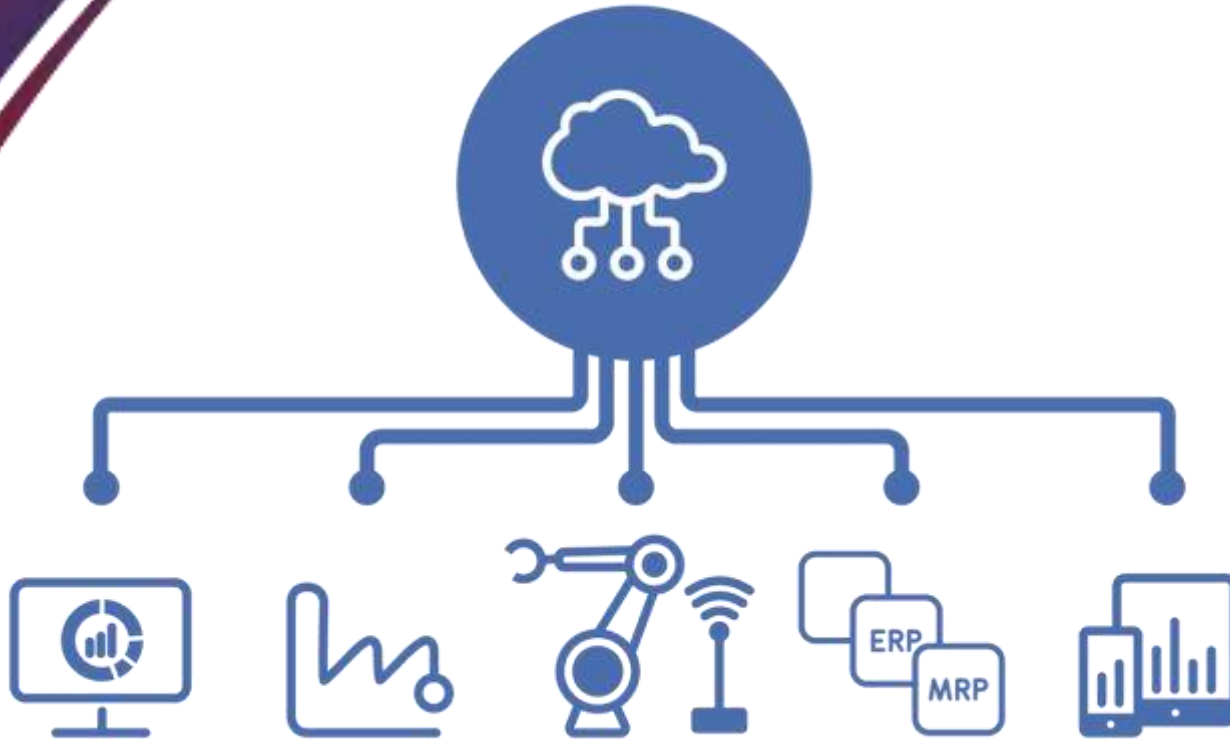
Investment planning



Transition to EPC



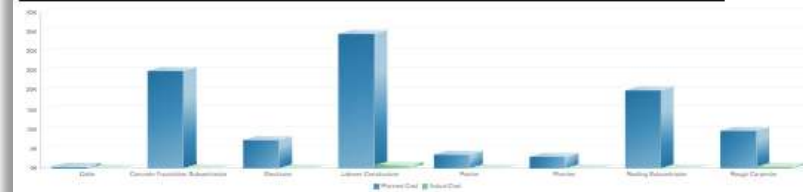
Reporting



Project on a Page

Current Date: Jul 25, 2021

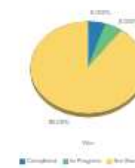
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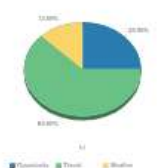
Planned vs Actual

Wbs Name	Activity Name	Start	Finish	Planned Labor Units	Actual Labor Units	Planned Labor Cost	Actual Labor Cost
Externals	Payment H/L	12-Mar-2021	22-Mar-2021	0	0	0	0
	Roof trusses	15-Feb-2021	28-Feb-2021	100	0	421,700	0
	Concrete foundation	21-Dec-2020	17-Jan-2021	100	0	116,300	0
	Landscaping	15-Mar-2021	21-Mar-2021	200	0	64,000	0
	Roof truss	01-Mar-2021	14-Mar-2021	80	0	61,700	0
	Brickwork	18-Jan-2021	14-Feb-2021	100	0	43,300	0
	Roof truss	18-Jan-2021	21-Jan-2021	100	0	64,000	0
	Rough plumbing	15-Feb-2021	21-Feb-2021	80	0	43,300	0
Internals	Drain up	28-Apr-2021	04-May-2021	40	0	600	0
	Truss	02-Mar-2021	05-May-2021	0	0	0	0
	Truss up	02-Mar-2021	11-May-2021	40	0	61,300	0
	Truss plumbing	21-Mar-2021	13-Apr-2021	90	0	23,000	0
	Truss	14-Apr-2021	27-Apr-2021	90	0	61,000	0
	Truss walls	15-Mar-2021	20-Mar-2021	200	0	64,000	0
	Truss electric	21-Mar-2021	13-Apr-2021	200	0	65,000	0
				640	0	615,000	0
Excavation	Lay drains	22-Mar-2021	20-Dec-2020	100	0	42,000	0
	Concrete foundation	08-Nov-2020	26-Nov-2020	400	0	114,000	0
Site Prep	Grill	03-Aug-2021	02-Aug-2021	0	0	0	0
	Prepare site	03-Aug-2021	01-Nov-2021	800	0	113,400	61,240
	Direct protective fencing	08-Nov-2021	27-Nov-2021	100	0	63,700	0
				700	0	116,100	61,240
				1440	0	1103,400	61,240

Activity Status

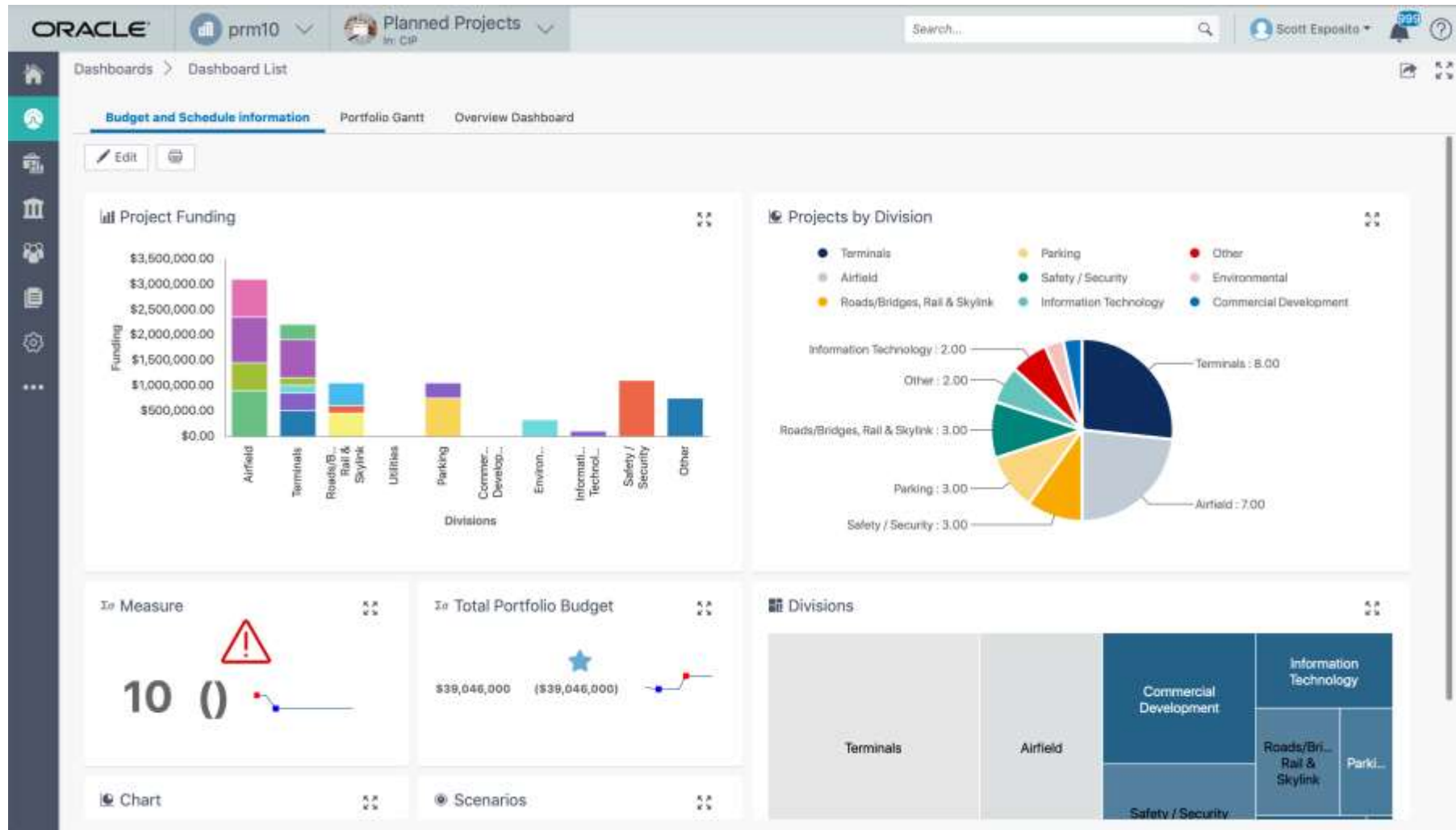


Risk Types



Type	Status	Sub ID	Name	Description	Cause	Effect
Weather	Open	01	Bad weather	Bad weather		
	Threat	02	Mechanical guards not fitted correctly	Mechanical guards not fitted correctly	Guards not in place	Will delay installation until guards are correctly fitted
		03	Unstable working in windy conditions	Unstable working in windy conditions	High winds in	Possible delay of roof slab install
		04	Electrical power lines not seen and in conflict with construction	Electrical power lines not seen and in conflict with construction	No prior visibility of power lines	Construction will be delayed
		05	There may not be enough space to store equipment	There may not be enough space to store equipment		
Assembly	Active	06	Low ground conditions may delay progress	Low ground conditions may delay progress	Bad ground conditions	Would cause delay unless survey carried out
		07	Review Design Documents	Review Design Documents		
	Open	08	Unstable previous mechanical items	Unstable previous mechanical items		

Portfolio





Next Steps

STRATEGY IDEAS Progress Process MEETING Business Future Innovation Dialog IDEAS Forum Communication Progress

QUESTIONS IDEAS Connection Session INPUT TALK Creativity BUSINESS FUTURE PROPOSAL FORWARD Strategy SOLUTIONS

Discuss Communicate



THANK YOU

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