

Got 100bn to spend?

A WBS ain't going to cut it



**Total Spend >
\$100bn**

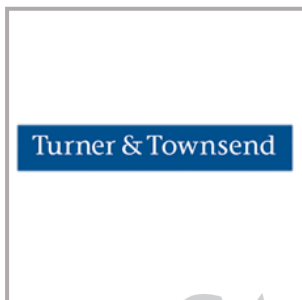
Current project profile

1. Sydney Metro EDA, IC, Contractors Design Team S2B
2. Melbourne Metro IR, PE
3. AJMJV to Rail Projects Victoria
4. Easing Sydney Congestion Phase 1,2 and 3
5. Warringah Freeway
6. Sydney Gateway
7. Project Energy Connect
8. Marinus Link

Current project profile

9. Inland Rail
10. Bruce Highway
11. Newell Highway
12. Saltwater Creek
13. West Gate Tunnel
14. Highgate Bridge
15. TEAS Advisory
16. Logan to Gold Coast Fast Rail....

Sample Clients



Earned Value v Critical Path



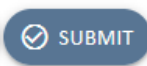
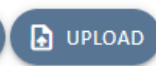
1. CPA provides indicative end date
2. Earned value provides real progress
3. Can't leverage both on the same project)

Challenges of earned value

1. No actuals profile
2. How do you measure progress

Resolution – Actuals aligned to WBS

WEEK VIEW DAY VIEW FORECAST EXPENSES



 SUBMIT
  UPLOAD

Timesheet As

Cyndi Lauper

Week Of

< 2/10/2022 >

ID	Task	Scheduled End Date	Mon 26/09	Tue 27/09	Wed 28/09	Thu 29/09	Fri 30/09	Sat 1/10	Sun 2/10	Week Total	Actual Hours	Remaining Hours	Total Hours	Scheduled Hours	Variance	Progress	Comments
LND0046	FAL Airport Link																
FLS25	A-constructed drawings	31 May 2021								0	80	50	130	50	-80	<div style="width: 38%;"></div>	
FLS10	Fire & Lite Safety FES, FEB & FER preparation									0	15	25	40	30	-10	<div style="width: 25%;"></div>	
FLS20	Preparation of BoQ with delivered drawings									0	40	18	58	18	-40	<div style="width: 31%;"></div>	
FLS15	Temporary & enabling works design									0	40	30	70	40	-30	<div style="width: 43%;"></div>	
Total Hours			0	0	0	0	0	0	0	0							



Resolution – Progress aligned to WBS

Best In West Electrical: Geo-Engineering Services Earned Value



Depth

All

Description	Ref	Stage Gate Group	Current Milestone	Date		Earned Value	Earned	Actual Cost	Planned Cost	Effort	
				% Comp	Achieved						
<input type="checkbox"/> Detailed Design				100.0%		\$993.08		\$575.00	\$993.08		
<input type="checkbox"/> Bored Tunnels Segmental lining		Strategic	Approved	100.0%	9/07/2021	\$993.08		\$0.00	\$993.08		
<input type="checkbox"/> Associated portals		Strategic	No Selection					\$575.00	\$0.00		
<input type="checkbox"/> Temporary & enabling works design	FLS15	Strategic	Issued for review	80.0%	13/07/2021	\$840.00		\$1,200.00	\$1,050.00		
<input type="checkbox"/> Fire & Lite Safety FES, FEB & FER preparation	FLS10	Strategic	Issued for approval	80.0%	13/07/2021	\$240.00		\$450.00	\$300.00		
<input type="checkbox"/> Tunnel CFD modelling		Strategic	With project engineer	80.0%	14/01/2022	\$1,158.00		\$450.00	\$1,447.50		
<input type="checkbox"/> Preparation of BoQ with delivered drawings	FLS20	No Selection	No Selection					\$1,200.00	\$1,200.00		
<input type="checkbox"/> Drawings		No Selection	No Selection					\$2,745.00	\$2,400.00		
<input type="checkbox"/> Shop-drawings review		No Selection	No Selection					\$345.00	\$0.00		
<input type="checkbox"/> A-constructed drawings	FLS25	No Selection	No Selection					\$2,400.00	\$2,400.00		
<input type="checkbox"/> Something new		No Selection	No Selection					\$0.00	\$0.00		
<input type="checkbox"/> New stuff		No Selection	No Selection					\$0.00	\$0.00		
<input type="checkbox"/> More new stuff		No Selection	No Selection					\$0.00	\$0.00		
<input type="checkbox"/> New stuff 2		No Selection	No Selection					\$0.00	\$0.00		
<input type="checkbox"/> Describe the change		No Selection	No Selection					\$0.00	\$0.00		
				43.7%		\$3,231.08		\$6,620.00	\$7,390.58		

Resolution – Evidence based progress and more dimensions

Preparation of BoQ with delivered drawings




Name	Actual Hours	Rem Hours	Total Hours	Contract Hours	Variance	Progress
Jane W Smith						
Bernard Neeson	35					


File Attachments

File	Date
Early warning due to possible cultural items found on site.eml	21 Nov 2022

Comments



 Jane W Smith, 21 Nov 2022 14:11
This is because of the scope change CR001 attached

 Jo Bloggs, 21 Nov 2022 14:11
From: Simon Day
Sent: Tuesday, May 26, 2020 10:54 AM
To: Mark Heath
Subject: Early warning due to possible cultural items found on site

Hi Mark

During excavation activities yesterday, unusual items were discovered in the north west corner of the site. The site supervisor halted excavation works and called on the consultant archaeologist to assess. We are expecting an initial assessment by late today. Excavation work was able to be moved away from the affected area, however if items of interest are uncovered, then this has the potential to delay in ground works.

Once we have the archaeologists initial recommendations, I suggest we convene an early warning meeting on the matter.

regards

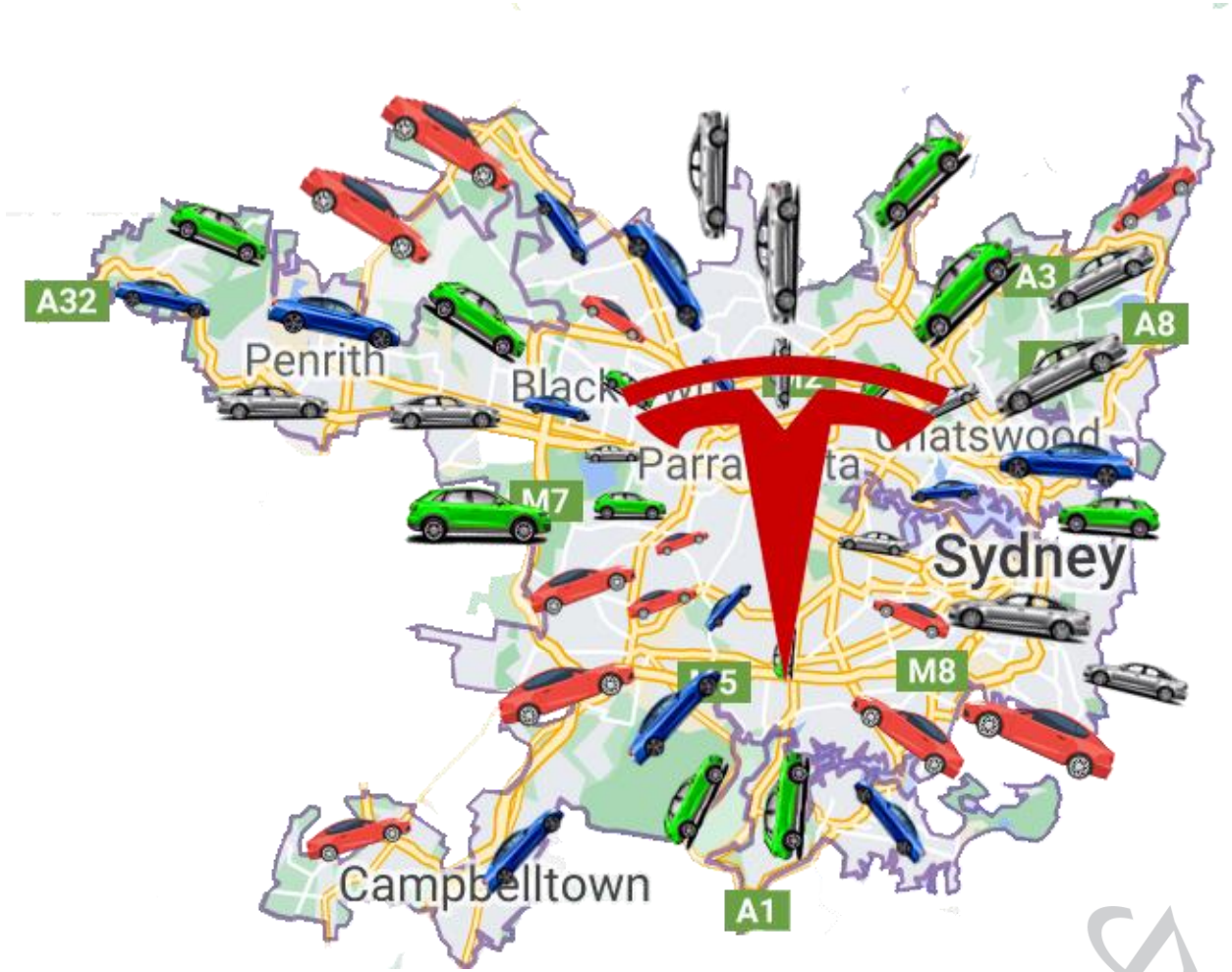
Related Issues



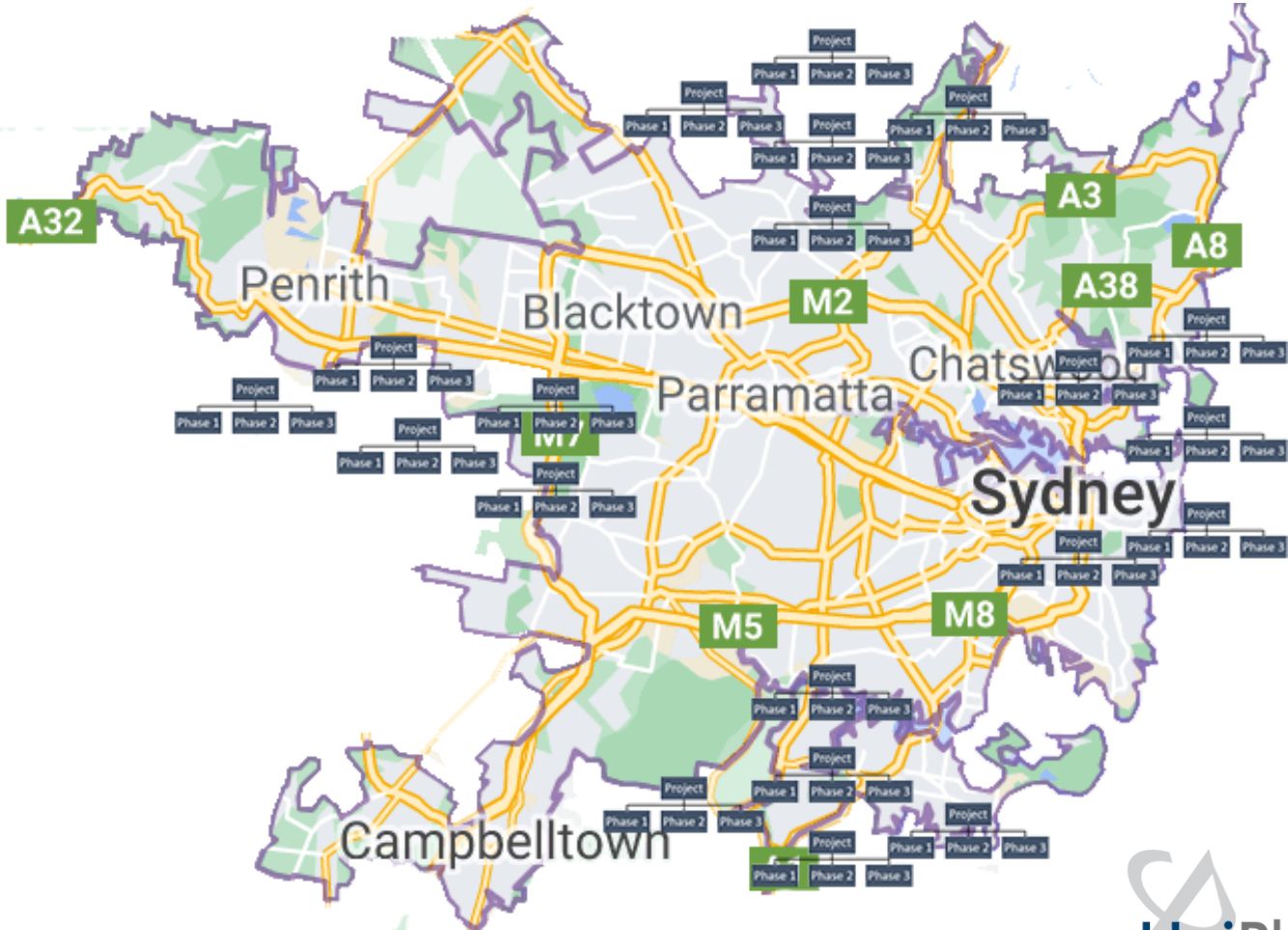
- Category Issue Description
- Approvals BoQ different to pre-tender estimate



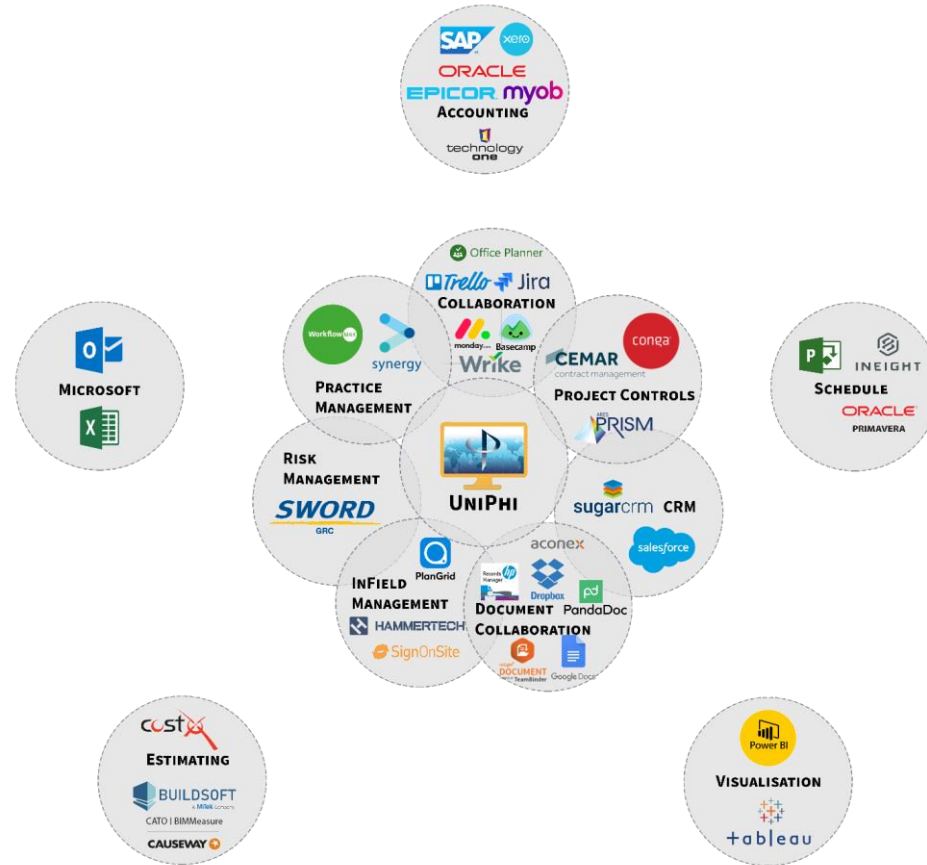
Distributed data capture



Distributed data capture



Centralised database



How do you control complexity? Should you?



AI driven issues resolution

North Rd

ADD

Category: All, Assigned To: All, Status: Open, Escalated To: All, Correspondence Type: All

Project ID	Project Name	Priority	Category	Issue	Rating	Escalate To	Assigned To	Due Date	
6052812	North Rd	100	RFIs	Ausgrid re-design mark up Western conduit crossing	●				
	Description			Resolution Date		Duration	Cost	Parties Involved	Resolution Description
	South Rd		Ausgrid Conduit Design Changes	15/10/2020		5 days	\$10,000		TfNSW are working on same HV feeder with RCD proposed new substation, there might be some coordination works required during outage planning, which will be managed by Ausgrid.
	East Rd		Drainage clash with Electrical	2/11/2020		3 days	\$12,000		The ASP3 has no objection to this change in works being picked up in the WAE subject to Endeavour Energy inspector's approval.
	West Rd		Electrical Work Interface Check	14/06/2019		10 days	\$11,500		Depicted on design are from face of kerb or Endeavour Energy GIS property line to face of street lighting column. It is noted the ASP1 has appears to measure the offset from the centre of column to face of the kerb.

“We use to spend 80% of our time collecting data and 20% analysing, now we spend 20% collecting and 80% analysing”



Mark Heath
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