

Time Location Charting

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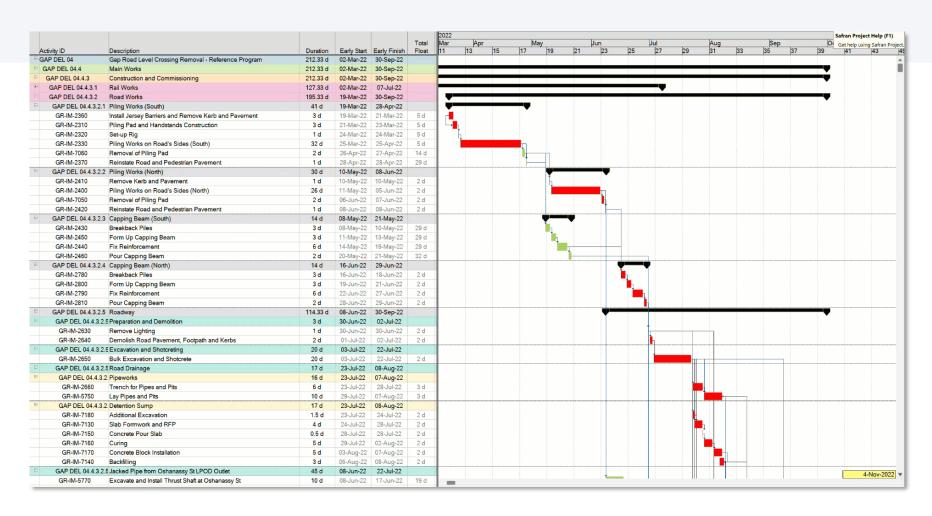
Contents

- What are Time Location Charts?
- What do they offer?
- How to produce?
- Demonstration with Safran



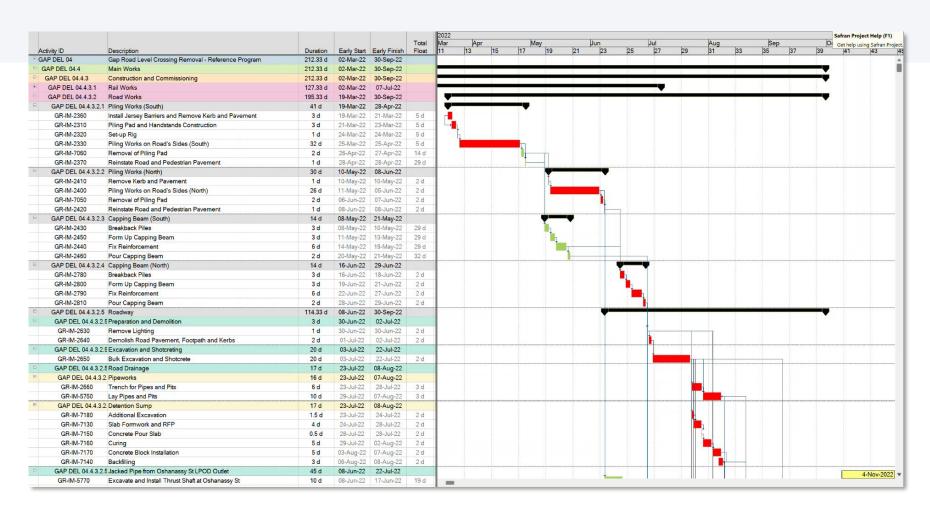


How we traditionally present schedules



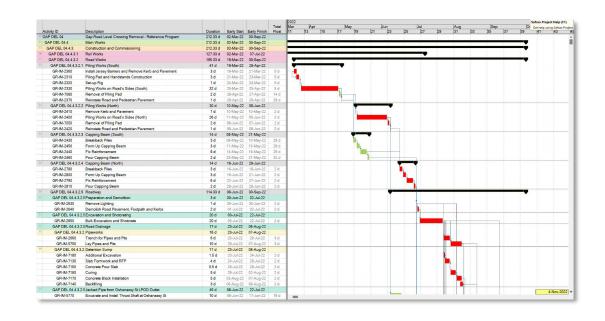


How we traditionally present schedules





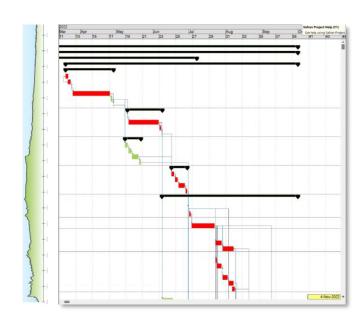
Linear and Location based projects have another option to present their schedules



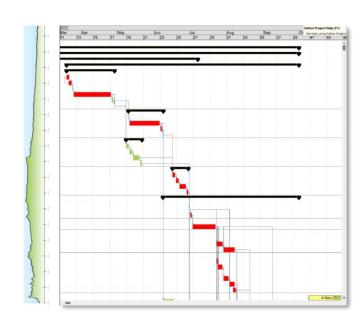




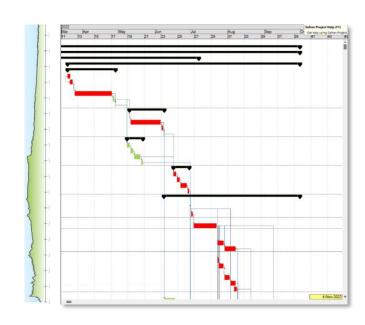
Use Location axis rather than a WBS

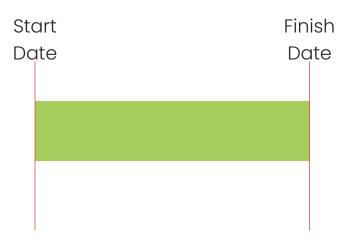




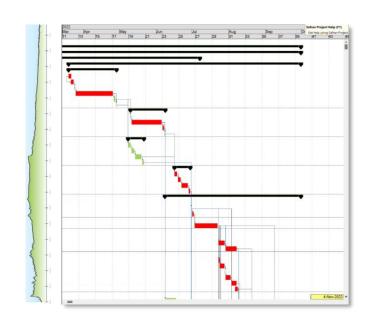


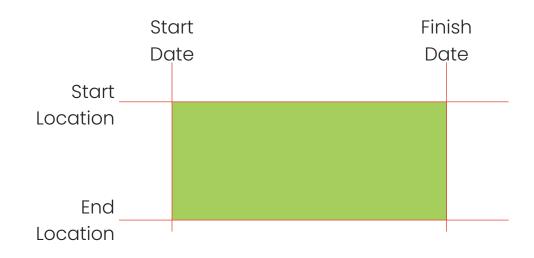




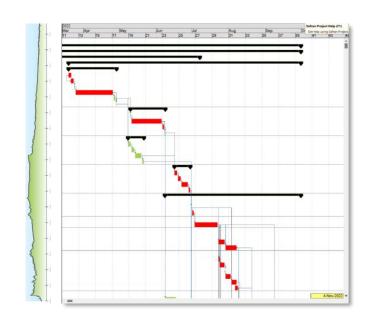


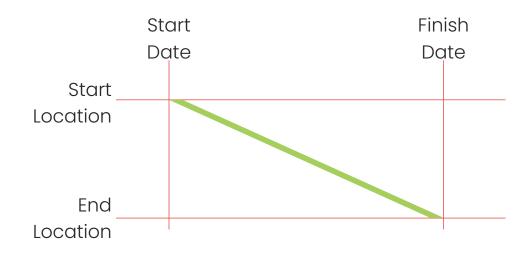




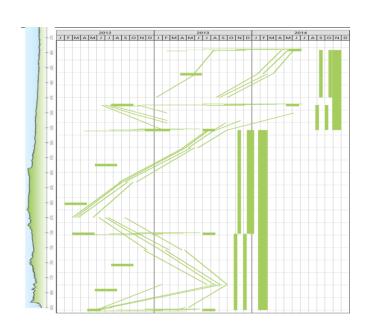




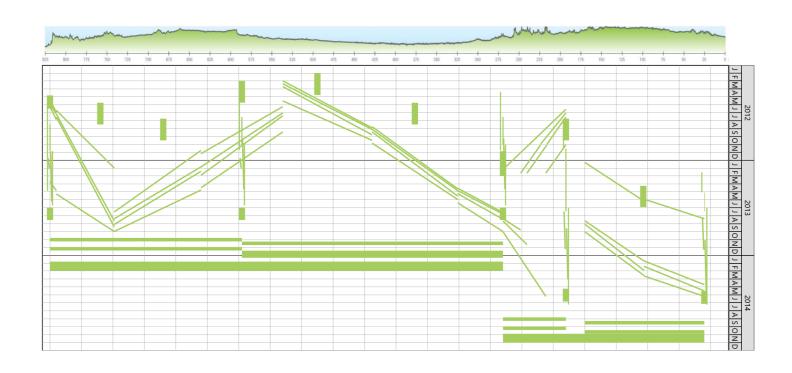






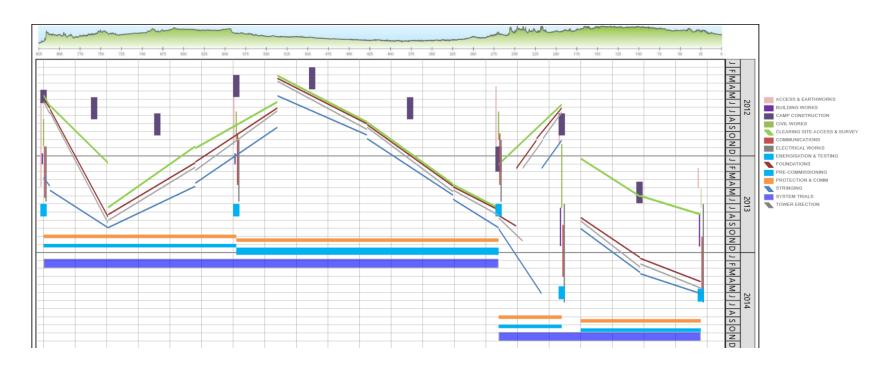








New Dimension: Context to activities using shapes and colours





What Do they offer?

Key Benefits

- Single page presentation of schedule
- Improved Communication
- Improved Analysis Sequencing, logic, optimisation
- Resourcing
- Schedule Comparison



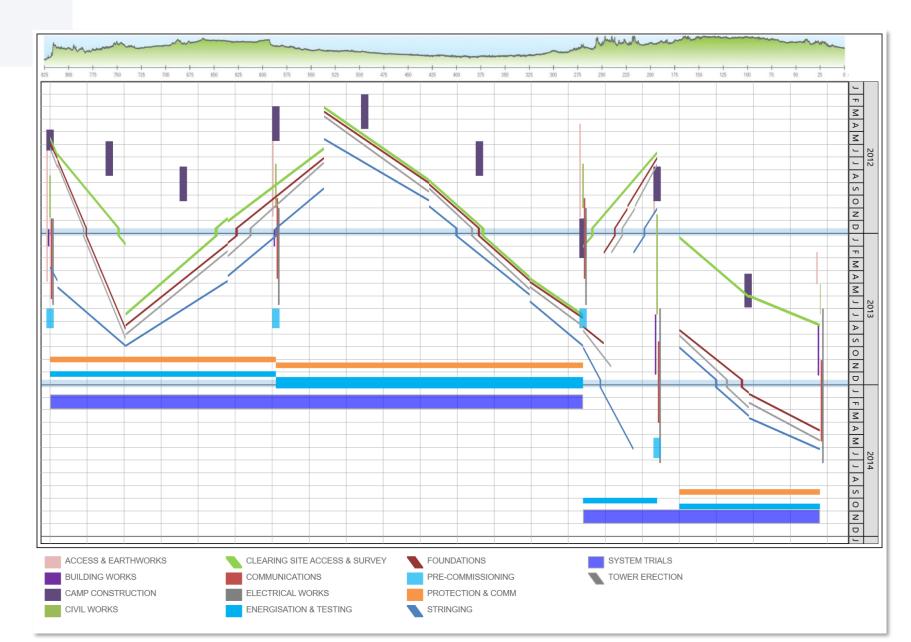


Benefits



Schedule Analysis

- Crew Sequencing and Directions
- Production Rates
- Non-Work Periods
- Task Overlaps/Clashes
- Logic Checks
- Resource Analysis

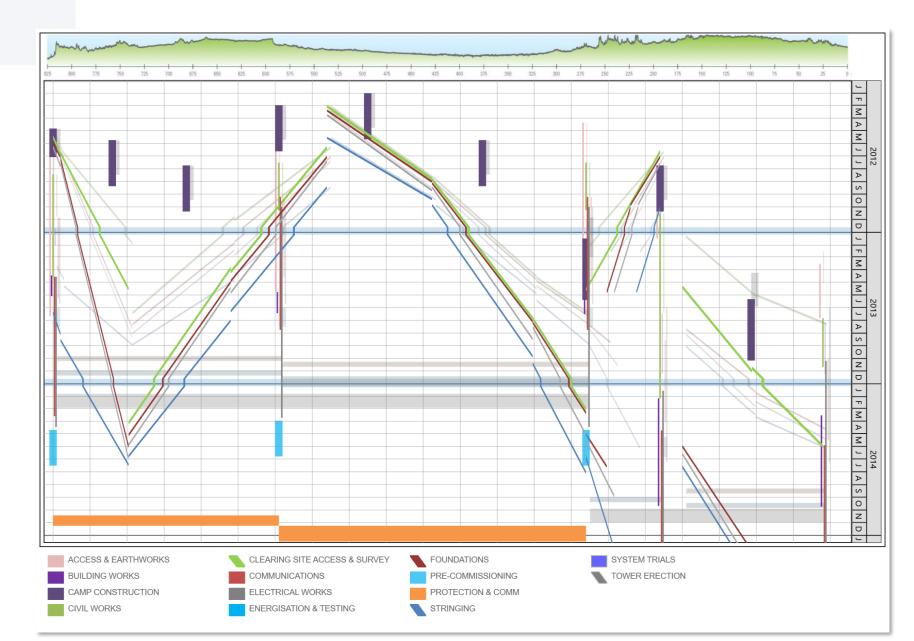


Benefits



Schedule Analysis

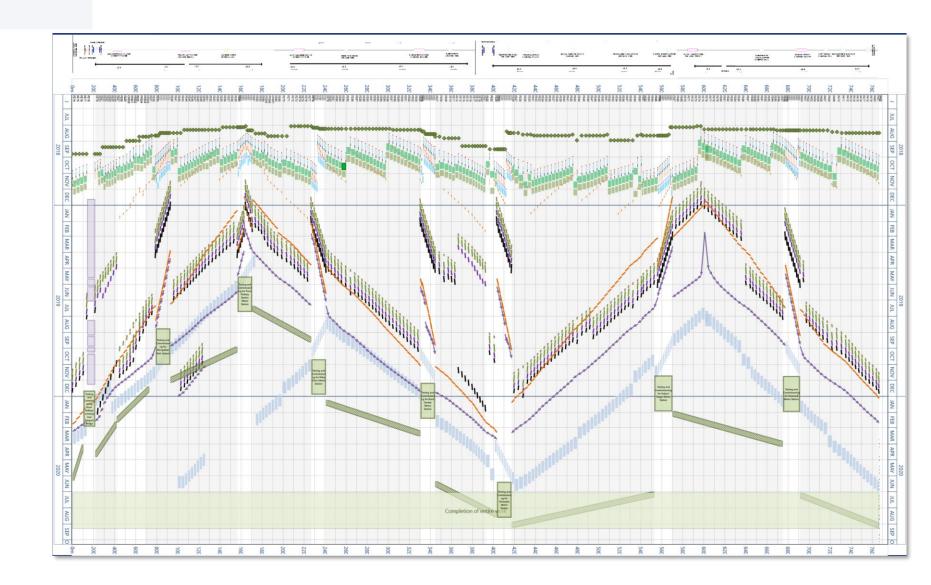
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- Schedule Comparisons



Example



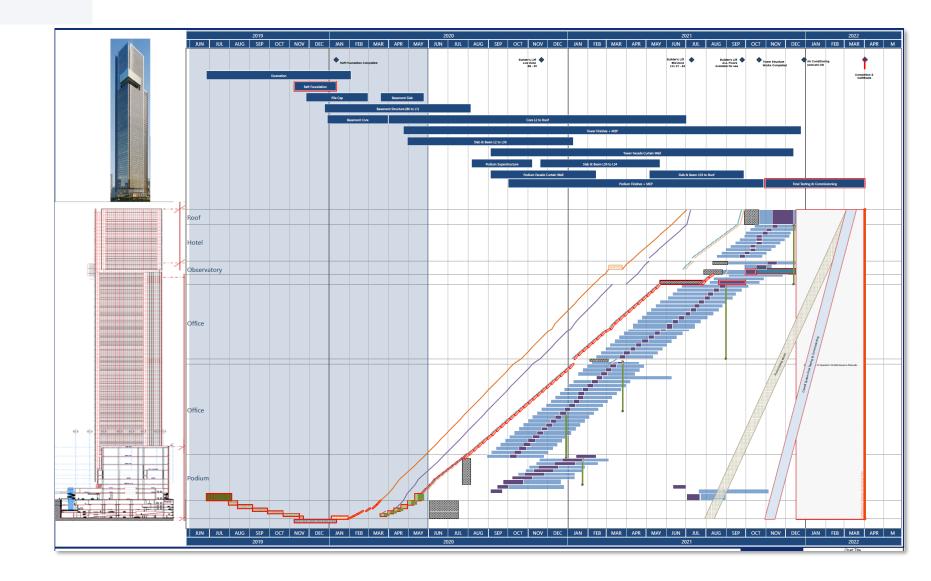
Metro Viaduct Project



Example



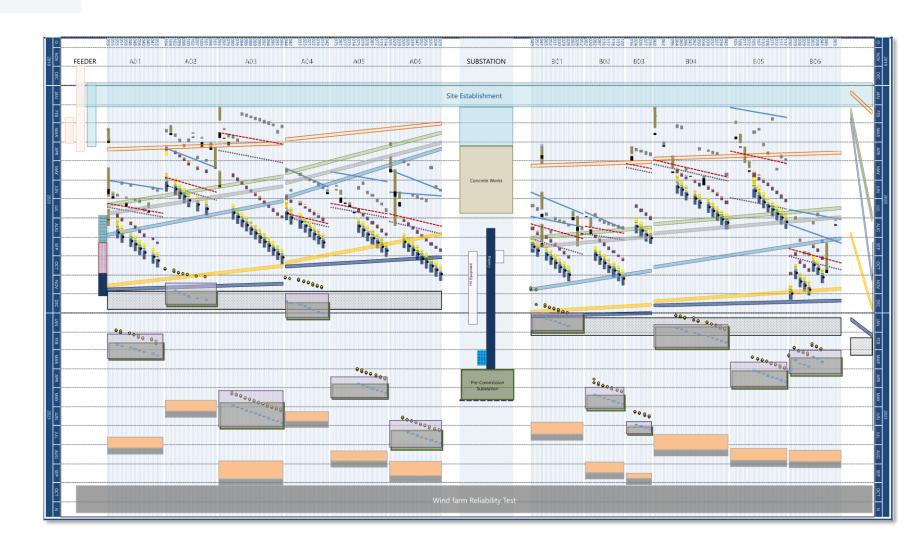
High Rise Building



Example



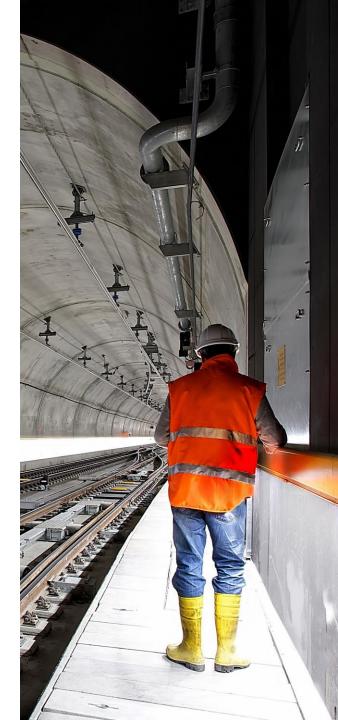
Wind Farm



How to Produce?

Methods

- Manually Drawn
- Specialised Scheduling Applications
- Hybrid method





Methods

Options to Produce Time Location Charts

Manual

- AutoCad, Graphical Tools, Spreadsheets
- Translation errors
- Limited features
- Non-scalable solution
- Cheap, readily available

Specialised

- Suited to only the Linear elements
- Manipulate the linear tasks to recalculate the schedule
- Expensive and complex
- Require significant training and learning
- Duplicates Schedule
- Issues in re-integration or in multiple schedule/user situations

Hybrid

- Append Data to existing CPM Schedules
- Exchange Data from CPM schedule to Linear Schedule (one way)
- Modifications/Updates are made in the Integrated CPM schedule
- Time Location chart is updated to reflect changes



Demo Safran Planner / Risk

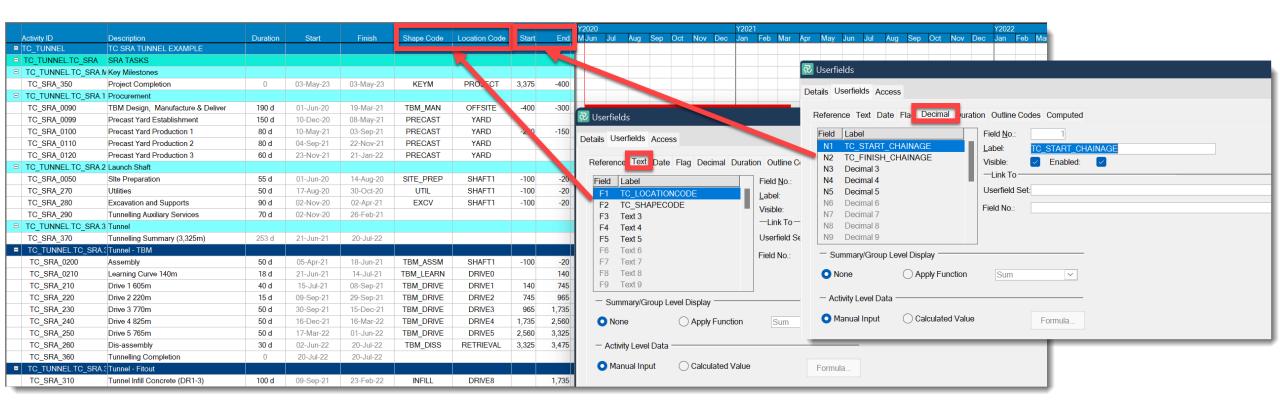
Steps

- Append additional information
- Connect and Import from Safran
- Define Context Shapes/Colours
- Update Schedule
- (Risk) Risk Analysis Output

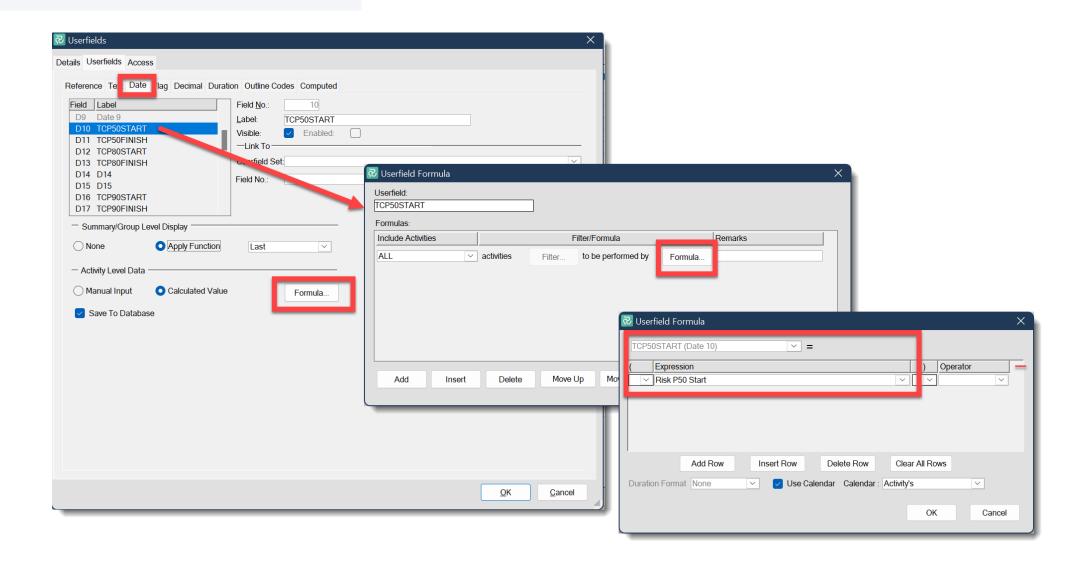






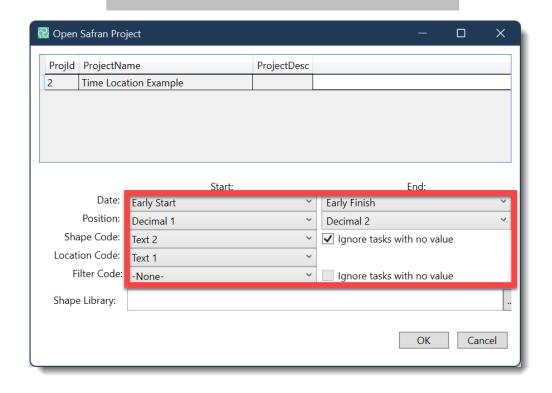








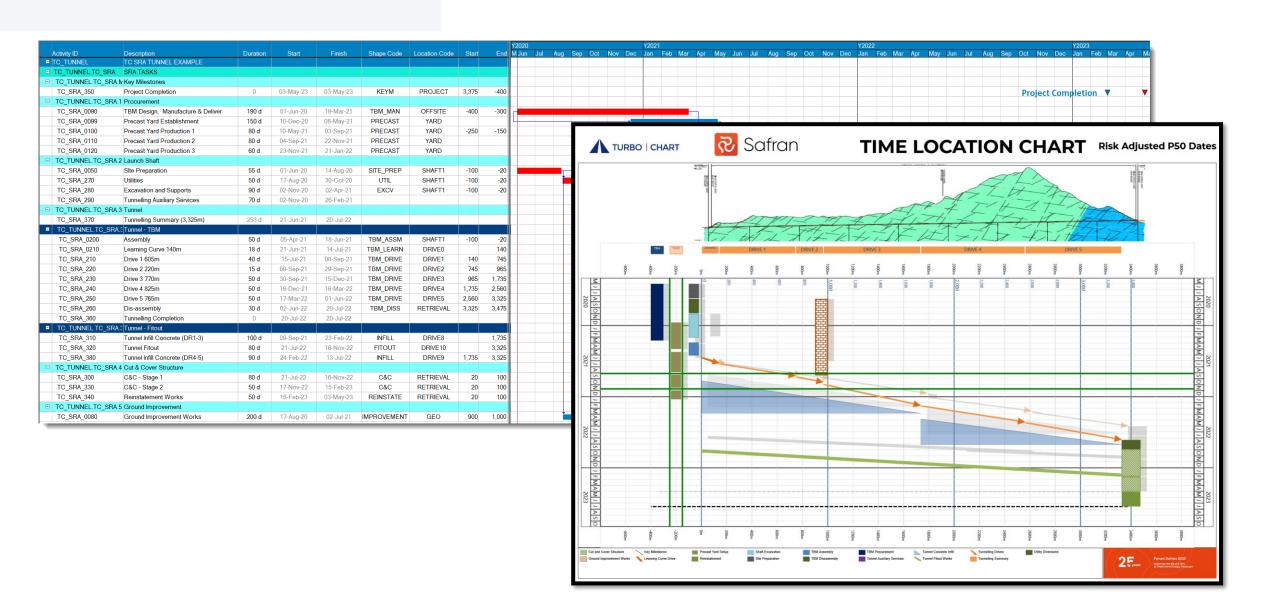
Planned/Actual



Risk Dates

祝 Open Safran Pro	ject		-	п ×
Projld ProjectNa	jld ProjectName Pr			
2 Time Loca	Time Location Example			
	Start:		End:	
Date:	Date 10	~	Date 11	~
Position:	Decimal 1	~	Decimal 2	~
Shape Code:	Text 2	~	✓ Ignore tasks with no value	
Location Code:	Text 1	~		
Filter Code:	-None-	~	Ignore tasks with no value	
Shape Library:				
			OK	Cancel







Thank You (again).