



PROJECT AND PROGRAM MANAGEMENT SYMPOSIUM
◦ Better Management ◦ Better Projects

PULL PLANNING using Project Flow Diagrams

Wayne Greenwood & Alan Uren – Endfirst plans

Thought

“20 years ago we planned projects on walls.
Today we plan them in small electronic
boxes... and we can't see them anymore!”

Power, Utilities and renewables Leader – KPMG Canada

Retrospective

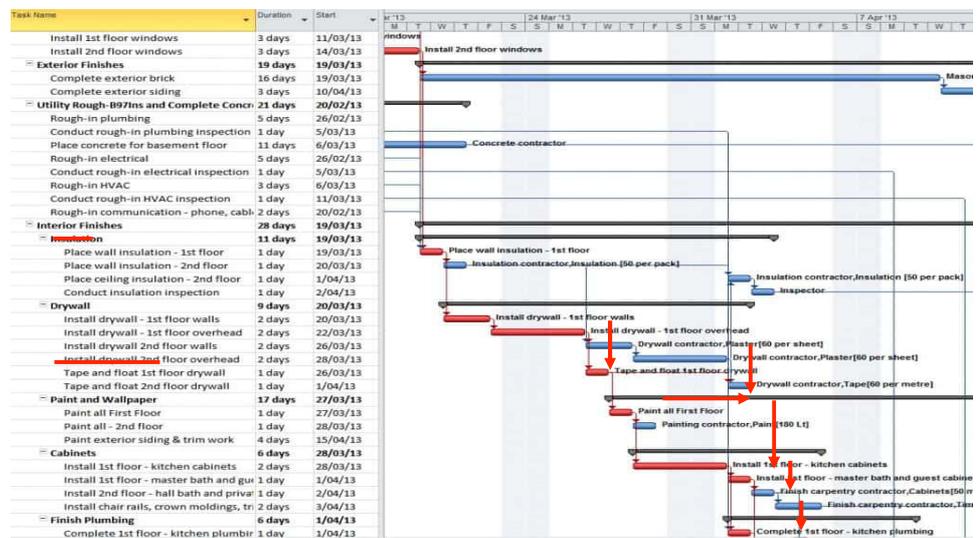
Gantt, Storyboard and Network Diagrams and Critical Path Workflows

- A condensed history of project scheduling

Gantt chart

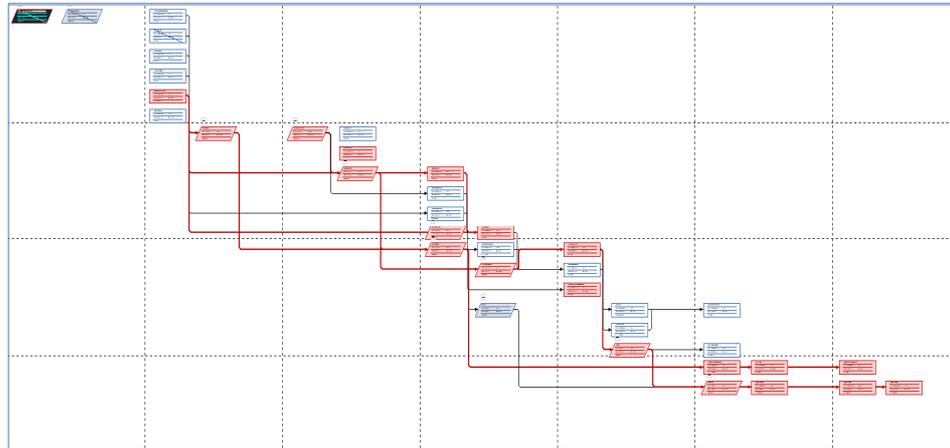
- Bar length = duration
- Thin line = float
- 'Head first' planning
- Bias > sequential work
- Weakness > parallel work

The most common error in projects EO-R



Network Diagram derived from a Gantt Chart

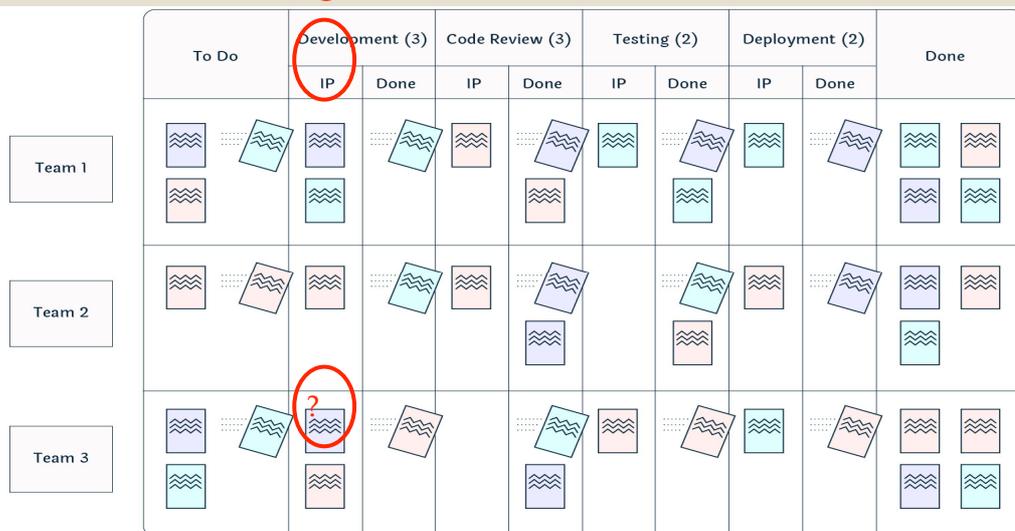
- Bar length = does not mean duration
- Thin line = dependency
- 'Push' planning
- Bias > sequential work
- Weakness > parallel work



OVERGantt

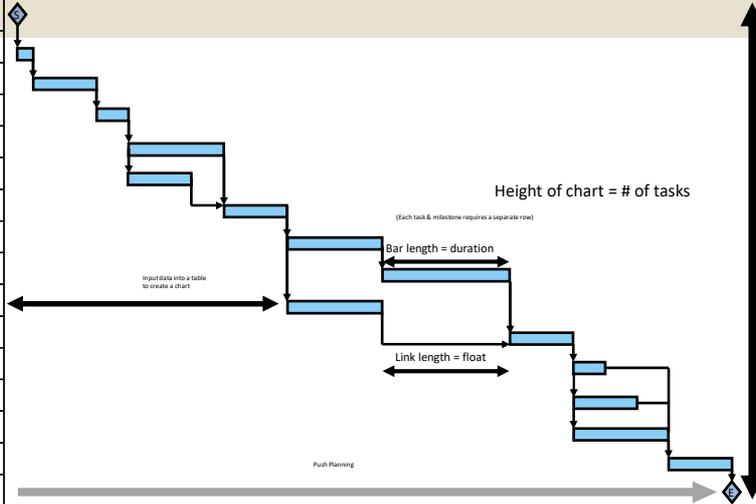
Agile / Kanban

- Vertical swim lanes
- Head first planning
- Bias > parallel work
- Weak > sequential work and scheduling

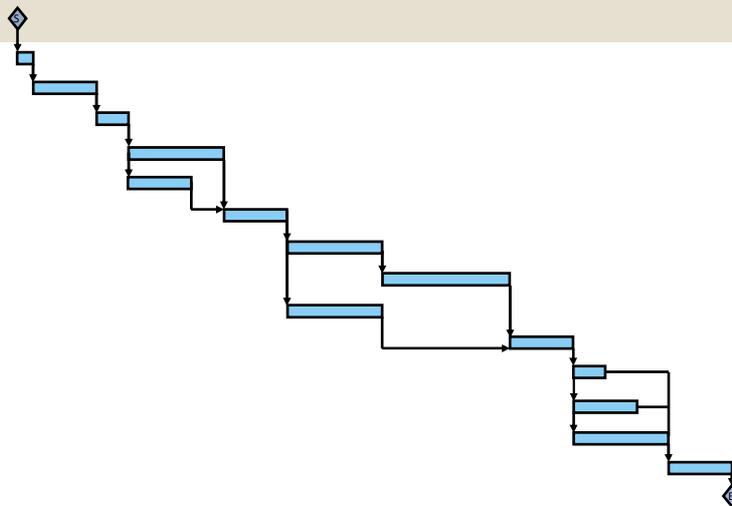


Gantt Chart (Waterfall)

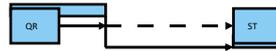
ID#	Desc.	Dur	Pred.
1	START	0	
2	AB	3d	1
3	CD	2w	2
4	EF	1w	3
5	GH	3w	4
6	IJ	2w	4
7	KL	2w	5,6
8	MN	3w	7
9	OP	4w	8
10	QR	3w	7
11	ST	2w	9,10
12	UV	1w	11
13	WX	2w	11
14	YZ	3w	11
15	ZZ	2w	12,13,14
16	END	0	15



Gantt chart to Dependency Diagram

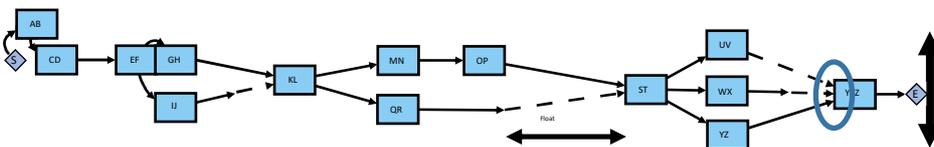


Gantt chart to Dependency Diagram



Dependency or Network Diagram (workflow)

Blended Agile



Create a diagram in order to determine and verify the data

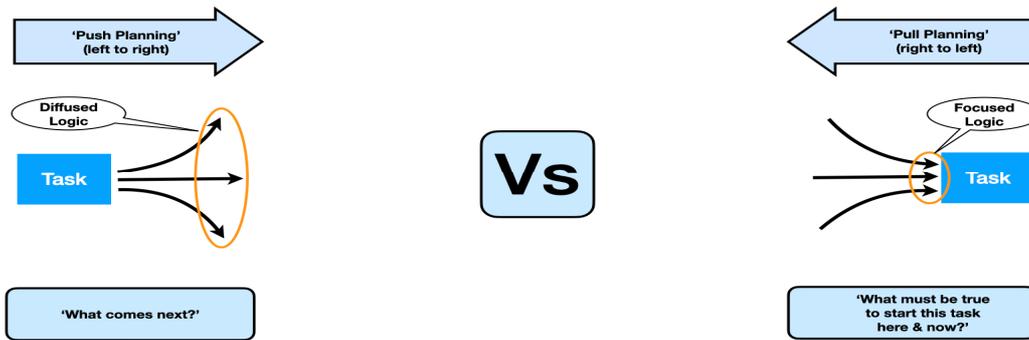
Height of diagram = greatest number of parallel paths

(Each task & milestone does not require a separator)

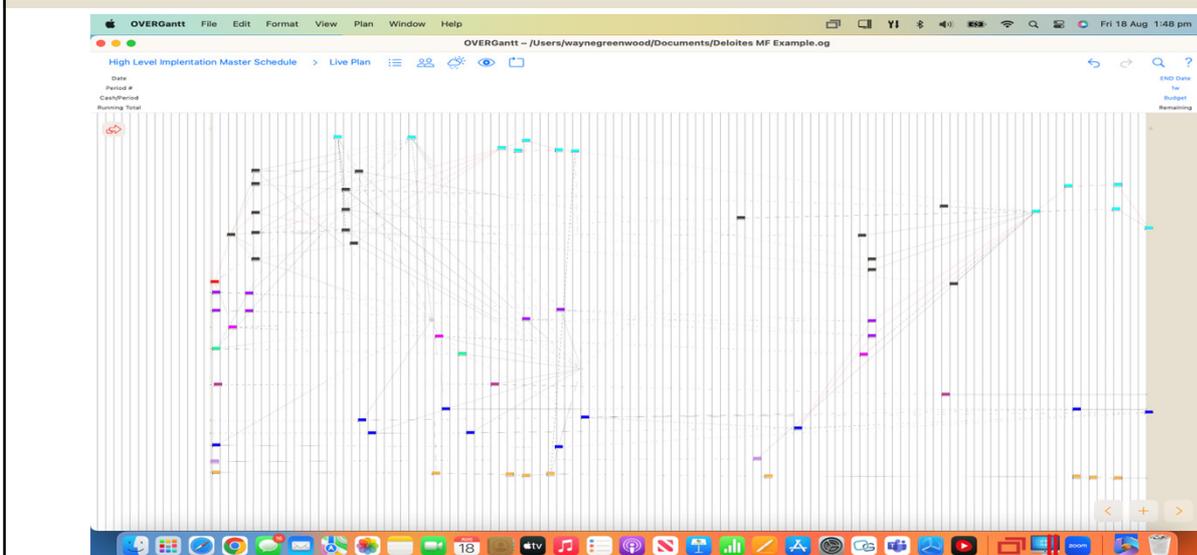
Planning



Push Planning V Pull Planning



Typical High Level Project Flow Diagram



Want more information?

