

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	20	25	30
1			Aerospike nozzle	81 days	Mon 8/28/17	Thu 11/16/17				
2			Design Software Development	81 days	Mon 8/28/17	Thu 11/16/17				
3			V1	13 days	Mon 8/28/17	Sat 9/9/17				
4			Isentropic CBN	10 days	Mon 8/28/17	Wed 9/6/17				
5			V1 CFD check	3 days	Thu 9/7/17	Sat 9/9/17	4			
6			V2	23 days	Wed 8/30/17	Thu 9/21/17				
7			Isentropic aerospike	20 days	Wed 8/30/17	Mon 9/18/17				
8			Thrust efficiency at designated altitudes	10 days	Wed 8/30/17	Fri 9/8/17				
9			V2 CFD check	3 days	Tue 9/19/17	Thu 9/21/17	8,7			
10			V3	46 days	Sat 9/9/17	Tue 10/24/17				
11			MOC CBN	30 days	Fri 9/22/17	Sat 10/21/17	7,4			
12			Cumulated thrust efficiency loss throughout flight path	30 days	Sat 9/9/17	Sun 10/8/17	8			
13			V3 CFD check	3 days	Sun 10/22/17	Tue 10/24/17	12,11			
14			V4	43 days	Thu 10/5/17	Thu 11/16/17				
15			MOC aerospike	40 days	Thu 10/5/17	Mon 11/13/17	7			
16			V4 CFD check	3 days	Tue 11/14/17	Thu 11/16/17	15			
17			V5	23 days	Wed 10/25/17	Thu 11/16/17				
18			3 main CBN efficiency losses	10 days	Wed 10/25/17	Fri 11/3/17	10			
19			Efficiency losses from constant external fluid flow	20 days	Wed 10/25/17	Mon 11/13/17	10			
20			V5 CFD check	3 days	Tue 11/14/17	Thu 11/16/17	19,18			
21			Physical engineering	33 days	Mon 8/28/17	Fri 9/29/17				
22			CAD / component layout	30 days	Mon 8/28/17	Tue 9/26/17				
23			FEA	3 days	Wed 9/27/17	Fri 9/29/17	22			

Project: Aerospike PDD_V2
Date: Fri 8/11/17

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only



















External Tasks

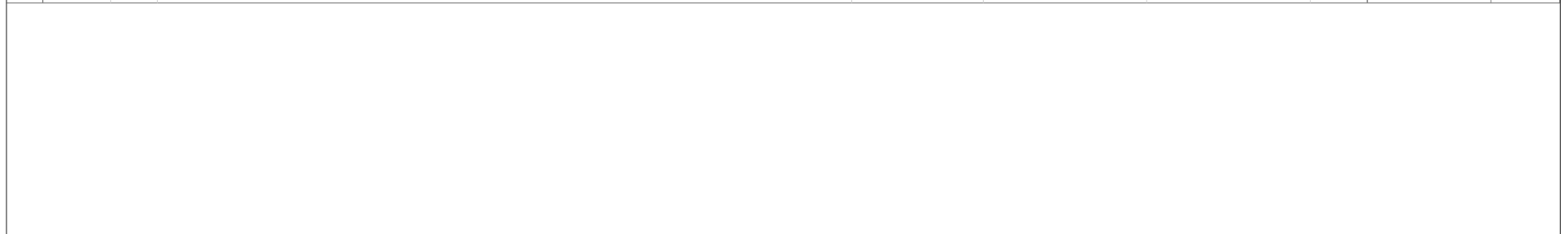
External Milestone


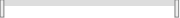

















Deadline

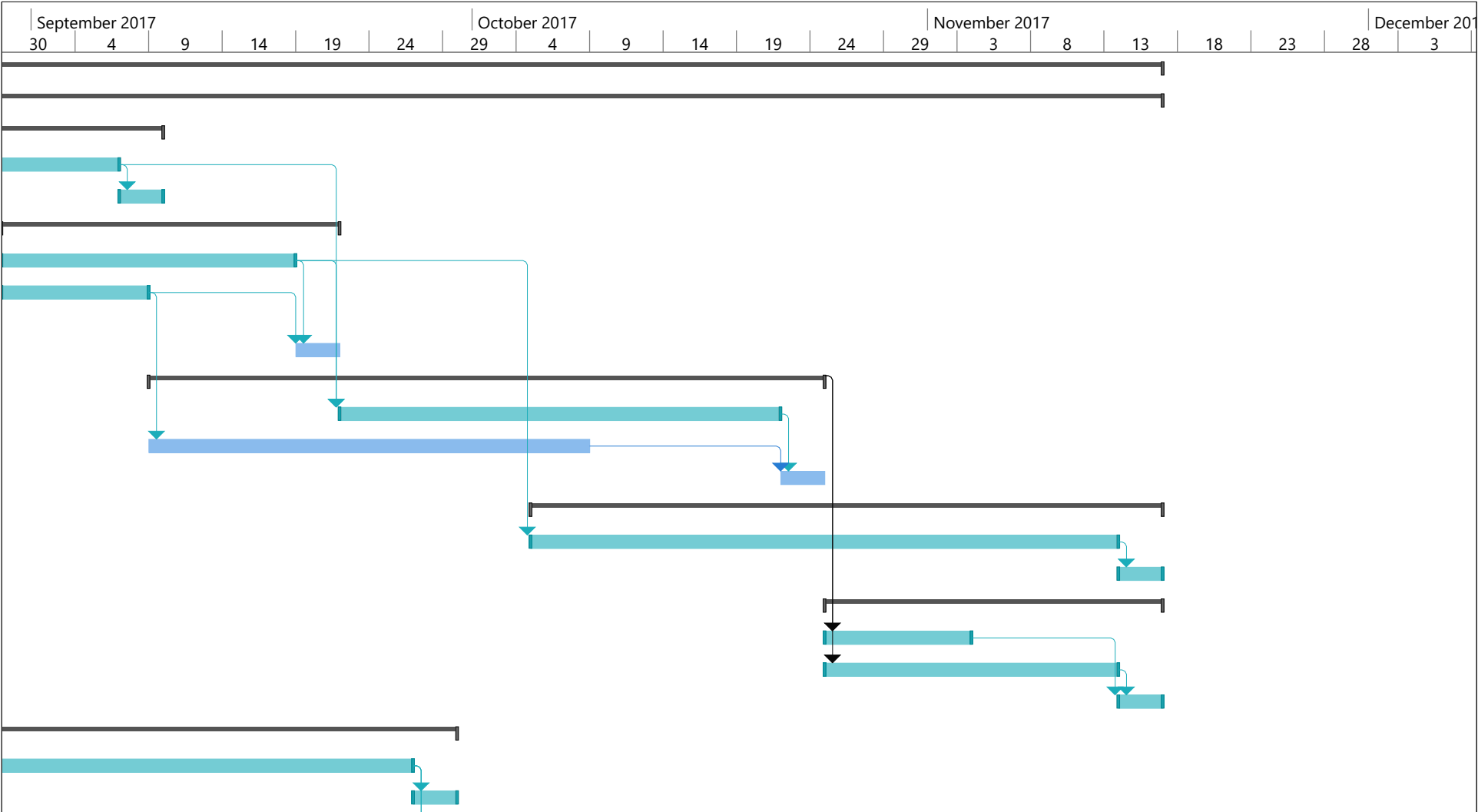
Progress

Manual Progress

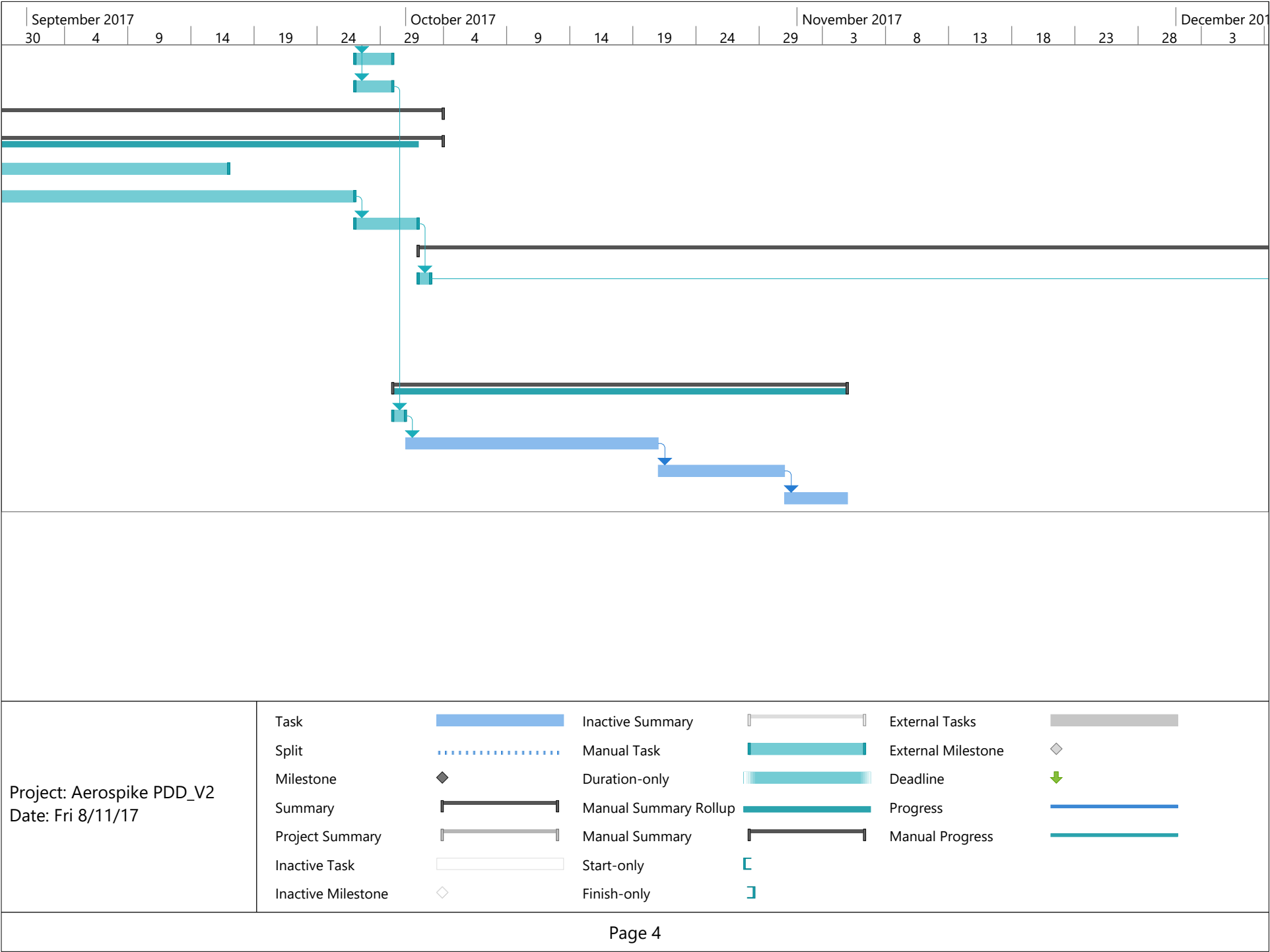
ID		Task Mode	Task Name	Duration	Start	Finish	Predecessor	20	25	30
24			CFD	3 days	Wed 9/27/17	Fri 9/29/17	22			
25			BOM	3 days	Wed 9/27/17	Fri 9/29/17	22			
26			Test stand modifications	37 days	Mon 8/28/17	Tue 10/3/17				
27			Vacuum chamber	37 days	Mon 8/28/17	Tue 10/3/17				
28			Design analysis	20 days	Mon 8/28/17	Sat 9/16/17				
29			CAD / component layout	30 days	Mon 8/28/17	Tue 9/26/17				
30			BOM	5 days	Wed 9/27/17	Sun 10/1/17	29			
31			Manufacturing: Test stand modifications	128 days	Mon 10/2/17	Tue 3/6/18				
32			Purchasing	1 day	Mon 10/2/17	Mon 10/2/17	30			
33			Manufacture parts	30 days	Mon 1/8/18	Wed 2/14/18	32			
34			Assemble parts	15 days	Thu 2/15/18	Thu 3/1/18	33			
35			Integration	5 days	Fri 3/2/18	Tue 3/6/18	34			
36			Manufacturing: Aerospike	36 days	Sat 9/30/17	Sat 11/4/17				
37			Purchasing	1 day	Sat 9/30/17	Sat 9/30/17	25			
38			Manufacture parts	20 days	Sun 10/1/17	Fri 10/20/17	37			
39			Assemble parts	10 days	Sat 10/21/17	Mon 10/30/17	38			
40			Integration	5 days	Tue 10/31/17	Sat 11/4/17	39			



Project: Aerospike PDD_V2 Date: Fri 8/11/17	Task		Inactive Summary		External Tasks	
	Split		Manual Task		External Milestone	
	Milestone		Duration-only		Deadline	
	Summary		Manual Summary Rollup		Progress	
	Project Summary		Manual Summary		Manual Progress	
	Inactive Task		Start-only			
	Inactive Milestone		Finish-only			

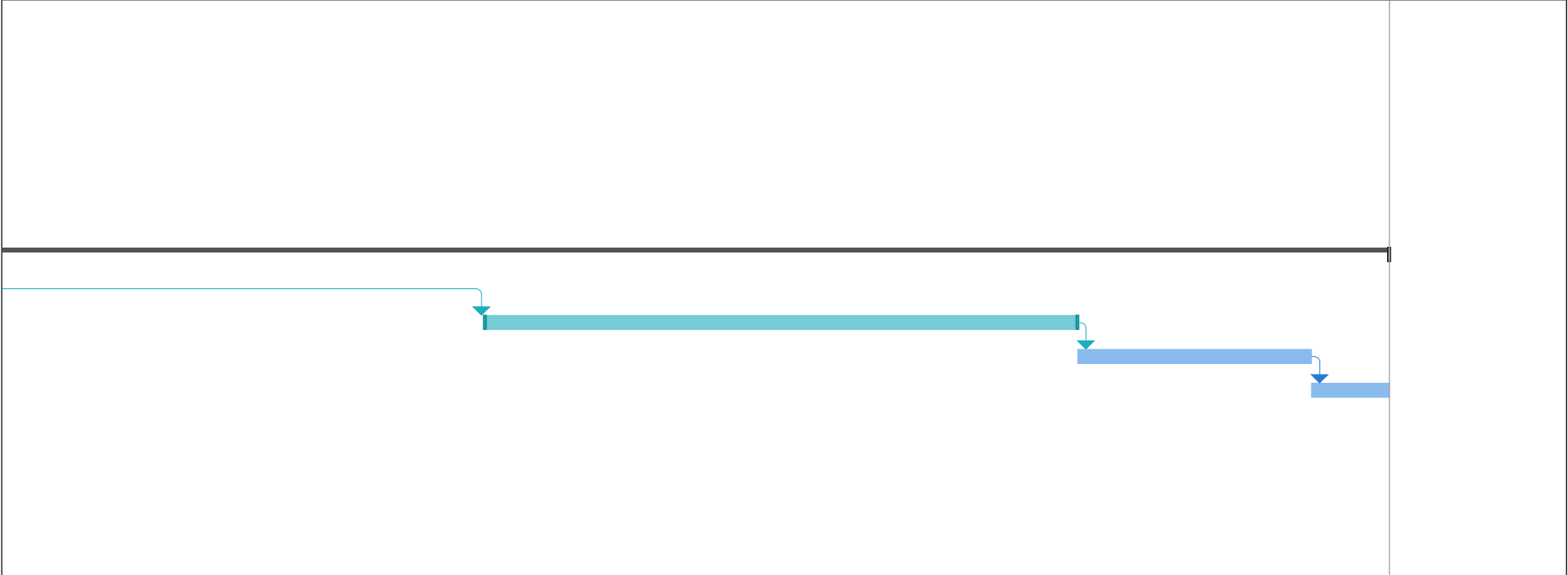


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