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Outage Management With SAP and Prometheus

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Agenda

This session will provide an overview of how the Prometheus ERP Advanced solution along with SAP can be leveraged to manage the preparation, planning, scheduling, execution, and reporting aspects of an outage. This approach demonstrates how many outage processes can be handled within the SAP and Prometheus environments. Topics discussed during this session includes:

- Establishing a Work Breakdown Structure in SAP PS
- Outage Based Functional Navigators
- Preparing SAP PM for an Outage Event (Work Centers, System Conditions, Revisions, Critical Activities)
- Schedule Development, Simulation, and Progression in Scheduler
- Manpower Forecasting
- Outage Key Dates and Events Milestones
- Execution Reporting and Analysis

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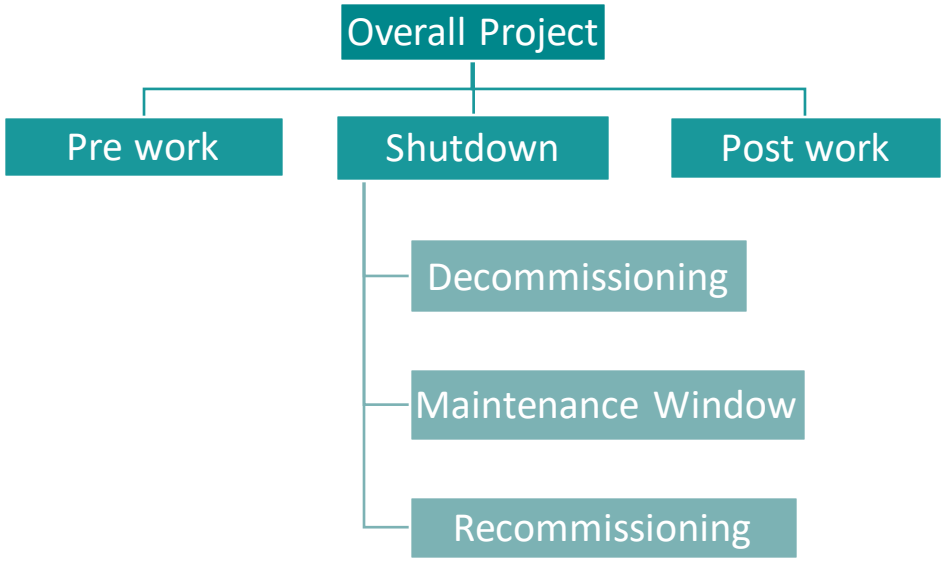
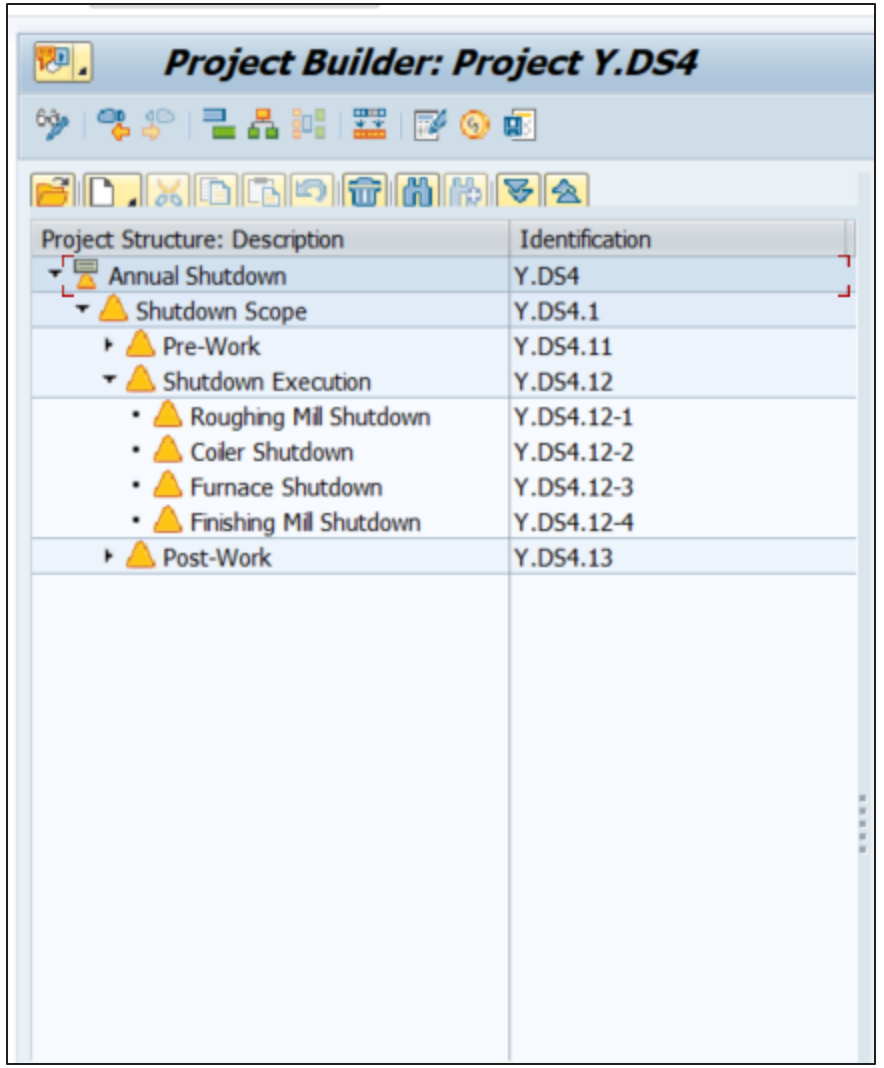
Work Breakdown Structures

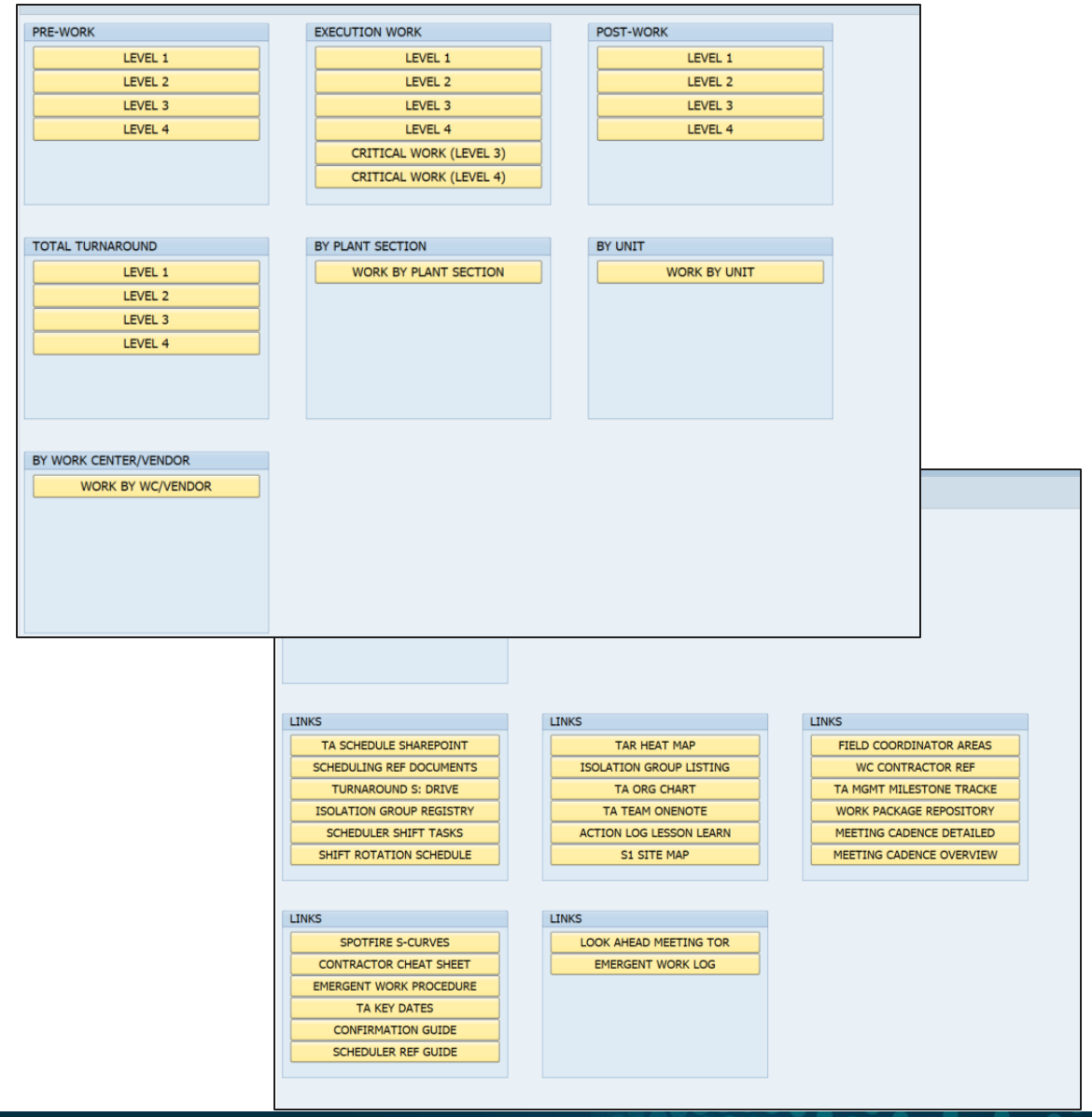
- SAP PS and PM integration to organize and structure the outage event
- Project Builder (t-code CJ20N)
- PS Outage Templates





Outage Navigators

- Functional navigators used by members of the outage team to organize and quickly access work backlogs, execution schedules, reports and external reference documents.

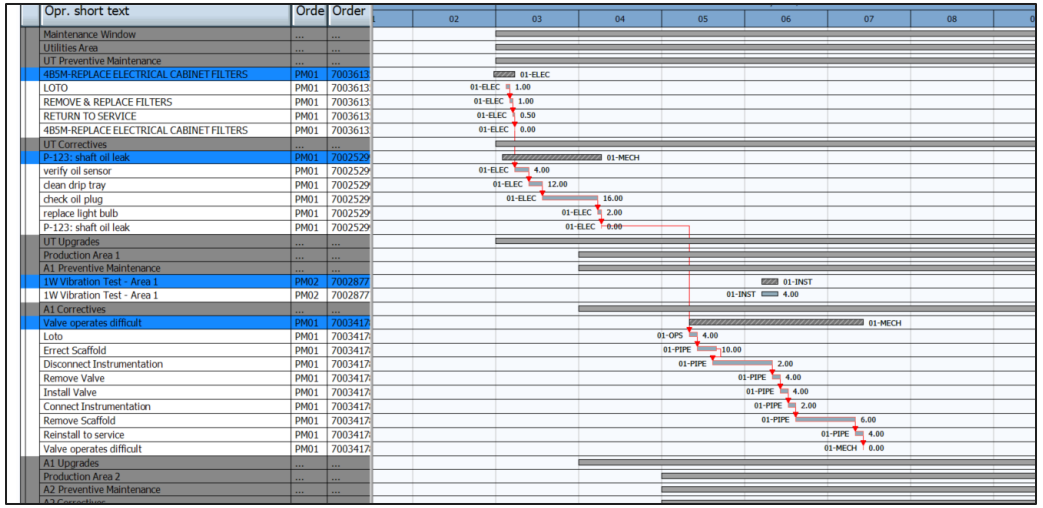


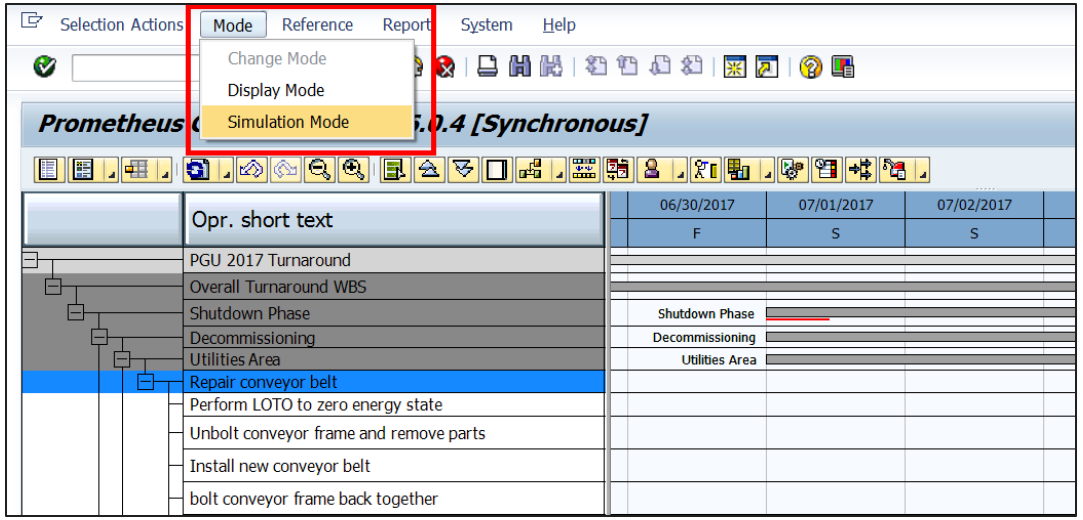
Preparing SAP PM for an Outage Event

- Outage Work Centers
- Revisions
- System Conditions used at the work order to identify Pre-Work, Ramp-Down Work, Execution Work, Ramp-Up Work and Post Work activities.
- Critical Activities identified using revision, priorities, WBS or free-text fields

Schedule Development, Simulation and Progression in Scheduler

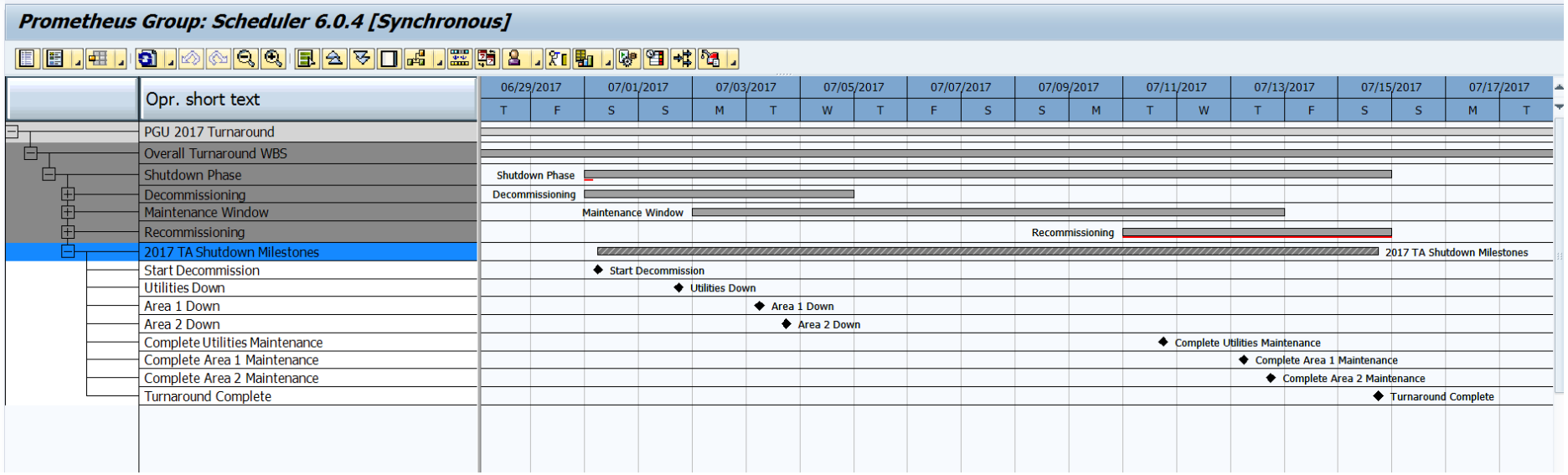
- Schedule Levels (1, 2, 3)
- Networks and Relationships
- Schedule Simulations & Baselines
- Schedule Progression via transaction IW70





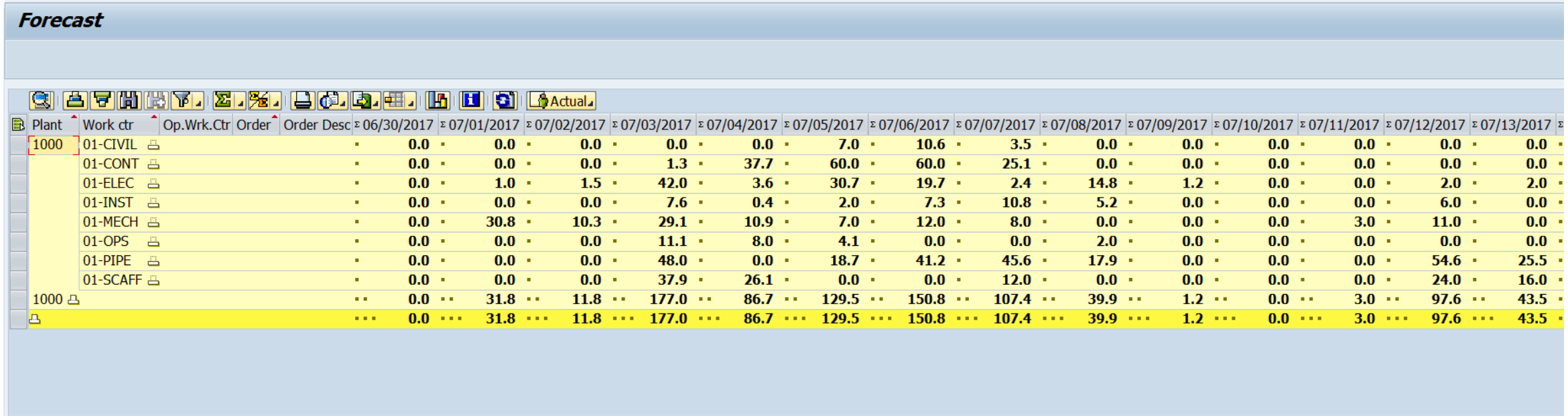
Outage Key Dates & Events Milestones

- Milestones are created via Work Orders to mark major checkpoints throughout the outage
- Milestones are linked to work package operations/activities
- Floating VS Constrained Milestones
- Used to measure overall even float



Manpower Forecasting

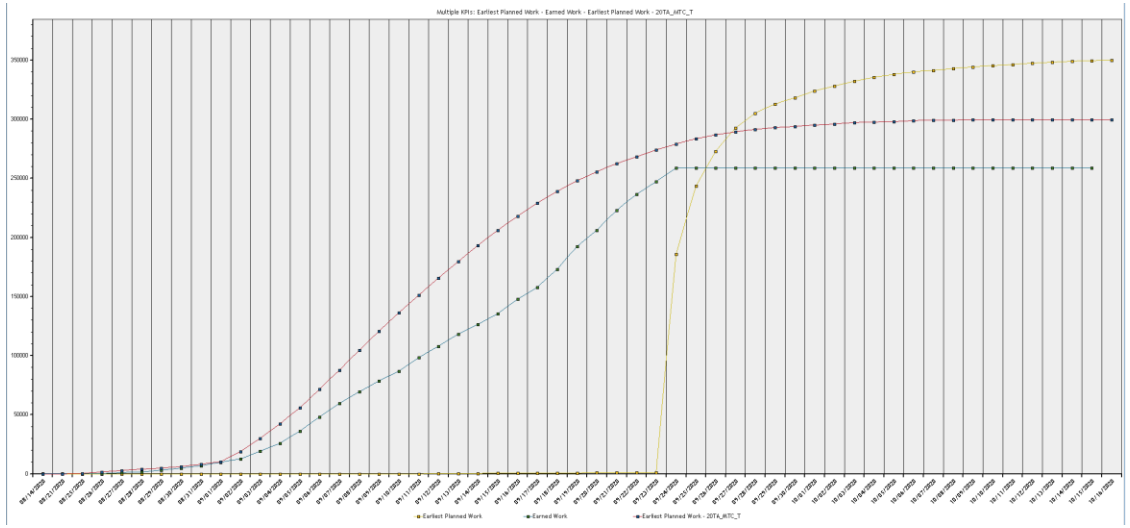
- Available via Scheduler's List Edit
- Quickly identify the quantity of contractor and technicians needed on any given day sorted by work center
- Adjustable Wrench Time estimates

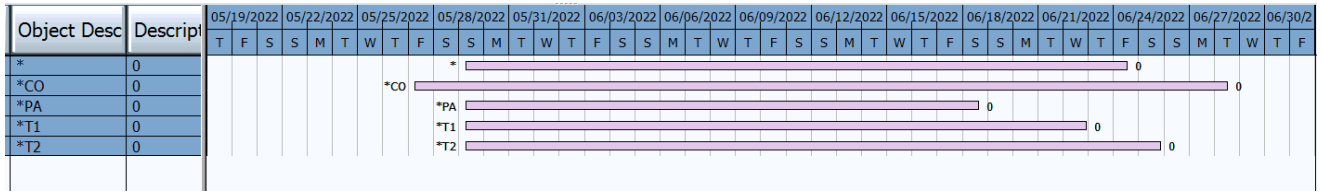


Plant	Work ctr	Op.Wrk.Ctr	Order	Order Desc	06/30/2017	07/01/2017	07/02/2017	07/03/2017	07/04/2017	07/05/2017	07/06/2017	07/07/2017	07/08/2017	07/09/2017	07/10/2017	07/11/2017	07/12/2017	07/13/2017
1000	01-CIVIL				0.0	0.0	0.0	0.0	0.0	7.0	10.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
	01-CONT				0.0	0.0	0.0	1.3	37.7	60.0	60.0	25.1	0.0	0.0	0.0	0.0	0.0	0.0
	01-ELEC				0.0	1.0	1.5	42.0	3.6	30.7	19.7	2.4	14.8	1.2	0.0	0.0	2.0	2.0
	01-INST				0.0	0.0	0.0	7.6	0.4	2.0	7.3	10.8	5.2	0.0	0.0	0.0	6.0	0.0
	01-MECH				0.0	30.8	10.3	29.1	10.9	7.0	12.0	8.0	0.0	0.0	0.0	3.0	11.0	0.0
	01-OPS				0.0	0.0	0.0	11.1	8.0	4.1	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
	01-PIPE				0.0	0.0	0.0	48.0	0.0	18.7	41.2	45.6	17.9	0.0	0.0	0.0	54.6	25.5
	01-SCAFF				0.0	0.0	0.0	37.9	26.1	0.0	0.0	12.0	0.0	0.0	0.0	0.0	24.0	16.0
1000					0.0	31.8	11.8	177.0	86.7	129.5	150.8	107.4	39.9	1.2	0.0	3.0	97.6	43.5
					0.0	31.8	11.8	177.0	86.7	129.5	150.8	107.4	39.9	1.2	0.0	3.0	97.6	43.5

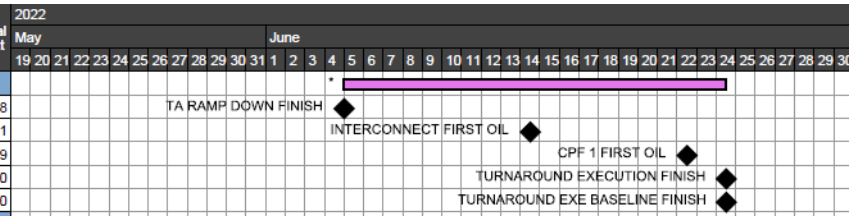
Execution Reporting & Analysis

- Many reports can be created directly in Scheduler using layouts and variants
- Percent Complete Progress Report
- Man-Hour Forecast Report
- Execution S-Curve Report
- Critical Path Analysis
- 3-Day Look Ahead Schedule





WBS Phase/Sec/Syst	Order	Object Description	Earl.start date	Total float
WBS Plant Section:	*	0		
02	23452396	TA RAMP DOWN FINISH	06/05/2022	468
02	23452396	INTERCONNECT FIRST OIL	06/14/2022	241
02	23452396	CPF 1 FIRST OIL	06/22/2022	49
02	23452396	TURNAROUND EXECUTION FINISH	06/24/2022	0
02	23452396	TURNAROUND EXE BASELINE FINISH	06/24/2022	0



Thank you

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Questions?

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