

The Proven Value of AWP + O3

Case Study: How a Joint Venture Managed Constraints Across 25+ Contractors



The Challenges: Constraint Management and Reporting

Multiple Contractors were reviewing several disparate worksheets for constraints and noting them on a whiteboard. The manual, time-consuming process introduced human errors. Each contractor had their own format, constraint types and descriptions, and didn't capture the same data, which led to inconsistent and often inaccurate information held in disparate systems.

The Solution: ONBuild - WorkFace Planning for the Job Site

O3 allows managers to assign specific constraints, due dates, and priority to a team, role, or named user within the company in real-time. Work package statuses can now be seen in one single easy to consume dashboard.

Highlights include:

- Detailed Constraint Management & Reporting
- Work Package Status Reporting
- Automated reports, alerts, & reminders
- Weekly Constraint Review Meeting tools
- Priority and progress tracking for Open Constraints & Overdue Items
- Training Management & Tracking for Constraint Management Best Practices

Project Overview:

O3 Solutions partnered with a multi-partner joint venture on an oil and gas gigaproject to implement Advanced Work Packaging, WorkFace Planning, and Constraint Management.

Constraint ID	WIP Number	CWP Number	Planned Start Date	Area	WIP Status	Counts	Constraint Type	Date Created	Constraint
02007	491242501A-QF-005	491242501A-QF	22-MAR-2019	48	Under Execution	1	Contractor Materials	25-SEP-2017 11:01 PM	Rebids for Pans
02008	43334217A-QF-002	43334217A-QF	24-MAR-2019	43	Issued For Construction	1	Available WorkFace	26-SEP-2017 07:48 AM	Developing equipment
02009	5022M4L-010	51238012A-L	18-MAR-2019	51	Draft Prepared	22	Method Statement	26-SEP-2017 06:06 AM	Method Statement for Tank
02010	43334217A-QF-001	43334217A-QF	22-MAR-2019	43	Draft Approved	22	Contractor Materials	21-SEP-2017 02:12 AM	Base Plate Anchor for Tank
02011	43334217A-QF-002	43334217A-QF	22-MAR-2019	43	Draft Approved	22	Contractor Materials	21-SEP-2017 02:15 AM	Anchor Bolts
02012	43334217A-QF-003	43334217A-QF	22-MAR-2019	43	Issued For Construction	26	Available WorkFace	26-SEP-2017 07:45 AM	Developing equipment
02013	43334217A-QF-001	43334217A-QF	22-MAR-2019	43	Draft Approved	22	Drawings	24-SEP-2017 11:11 PM	Hold on P4 pans locations
02014	491242501A-QF-010	491242501A-QF	25-JUN-2019	48	Under Execution	40	Contractor Materials	19-SEP-2017 01:23 AM	Pipe Stems required at site
02015	491242501A-QF-008	491242501A-QF	13-JUN-2019	42	Draft Approved	47	Available WorkFace	11-SEP-2017 01:24 AM	Stems Hand Over
02016	43334217A-QF-001	43334217A-QF	22-MAR-2019	43	Draft Approved	48	RM	14-AUG-2017 11:05 PM	Stems required for pipe
02017	43334217A-QF-002	43334217A-QF	17-JUN-2019	42	Draft Approved	22	Company Materials	07-SEP-2017 04:50 AM	Method Schedule On Hold
02018	43334217A-QF-001	43334217A-QF	17-JUN-2019	42	Draft Approved	22	Drawings	29-SEP-2017 10:24 PM	Method Schedule On Hold
02019	43334217A-QF-002	43334217A-QF	17-JUN-2019	42	Draft Approved	22	Drawings	14-SEP-2017 03:57 PM	Drawing not ETC
02020	43334217A-QF-001	43334217A-QF	24-JUN-2019	41	Draft Approved	22	Drawings	19-SEP-2017 07:42 AM	Method on hold
02021	52344050A-QF-010	52344050A-QF	17-JUN-2019	52	Draft Prepared	22	Drawings	14-SEP-2017 03:57 PM	Drawing not ETC
02022	43334217A-QF-001	43334217A-QF	24-JUN-2019	41	Draft Approved	22	Company Materials	16-SEP-2017 07:42 AM	Method on hold
02023	52344050A-QF-010	52344050A-QF	27-JUN-2019	41	Draft Approved	22	Company Materials	16-SEP-2017 12:38 AM	Materials N/A

The Results:

- ✓ **Increased Productivity** - Reduced management time to create reports (min. 2/3 hours/2k)
- ✓ **Enhanced Planning** - Provided oversight into contractor planning process
- ✓ **Streamlined Approvals** - Automatically created approvals and constraints against prerequisite documents and status progress
- ✓ **Partial CWP Releases** - Managers can drill down for more details and group by any field
- ✓ **Automated Task Management** - Provided visibility into critical tasks by owner, due date, and priority with reminders and alerts

25+ Contractors

3,500+ System Users

125,000+ Constraints Managed

3,000+ Trained in AWP/Constraint Management

Learn more at www.o3.solutions