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COURSE BROCHURE

# Lean Pull Planning for Offshore and Marine Projects Training Course

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# Lean Pull Planning for Offshore and Marine Projects Training Course

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Lean Pull Planning for Offshore and Marine Projects is a 1-week training course for project engineers and managers on offshore and marine developments, who leave with a lean project improvement plan for their own scope. Offshore campaigns carry long weather windows, costly vessel days and crowded interfaces, so wasted handoffs between yard, quay and installation spread quickly. Jupiter Prime Training builds this course around pull planning as a working habit for project crews.

## Why Lean Pull Planning Matters Now

Three pressures shape lean pull planning on marine developments today. Operators and contractors face tighter capital scrutiny, so every idle vessel day and reworked module is questioned. Fabrication yards, marine contractors and commissioning crews work as separate firms with separate schedules, so commitments break at the interfaces. Projects that plan backwards from installation milestones protect weather windows and hook-up dates; those that push work forward by contract date pile up inventory, waiting and rework. The course rests on lean construction principles, value stream mapping and last planner scheduling.

## Who Gains Most from Lean Pull Planning

- Engineers who sequence fabrication, load-out and sail-away activities
- Interface coordinators who reconcile yard, marine and commissioning schedules
- Construction leads who release work fronts and clear constraints before crews mobilise
- Planning engineers who maintain look-ahead schedules and weekly work plans
- Project managers who answer for milestone dates, vessel spread use and change exposure

A project team that sends its planner, construction lead and interface coordinator together gains most, since pull sessions need every party committing together.

## Lean Pull Planning Capabilities

Participants practise turning installation milestones into reliable weekly commitments and visible flow.

- Map the value stream from yard fabrication to offshore hook-up — the choice of which handoffs to redesign first
- Facilitate a pull session backwards from a sail-away milestone — the agreed phase sequence among contractors
- Build a six-week look-ahead with a constraint log — the release of ready work fronts
- Calculate percent plan complete and record reasons for variance — the weekly decision on corrective action
- Identify the eight wastes in fabrication and installation — the priority list for site improvement

- Design a lean project improvement roadmap — the sponsor's approval of next-quarter changes

## Key Lean Pull Planning Terms

- Pull planning — scheduling backwards from a milestone so each task is released only when the next party needs its output.
- Value stream map — a diagram of every step, queue and handoff that turns materials and information into an installed asset.
- Look-ahead schedule — a rolling window of upcoming weeks where constraints are found and removed before work starts.
- Percent plan complete — the share of weekly commitments finished as promised, used to measure planning reliability.
- Constraint log — a register of design, material, permit, vessel or access issues blocking a task, each with an owner.
- Takt time — the steady rhythm at which repeated units must flow to meet demand.

## Lean Pull Planning Day by Day

### Day 1: Lean Thinking on Marine Developments

- Lean Construction Principles — Where Capital Projects Lose Flow
- Push Versus Pull Scheduling — Choosing the Planning Logic for a Campaign
- Offshore Interface Map — Who Hands What to Whom
- Weather Window Constraints — Protecting Vessel Spread and Installation Dates
- Project Waste Baseline — Measuring Waiting, Rework and Idle Equipment

### Day 2: Mapping the Value Stream

- Current-State Value Stream Map — Exposing Queues From Yard to Quay
- Information Flow Analysis — Spotting Late Drawings and Material Releases
- Eight Wastes in Fabrication — Ranking Spool, Weld and Coating Losses
- Installation Waste Walk — Reviewing Lifting, Hook-Up and Commissioning Delays
- Future-State Value Stream Map — Agreeing the Target Flow

### Day 3: Pull Sessions and Look-Ahead Planning

- Phase Pull Session — Sequencing Backwards From Sail-Away
- Six-Week Look-Ahead — Screening Tasks for Readiness
- Constraint Log Routine — Assigning Owners for Design and Material Blockers
- Takt Planning for Repetitive Units — Balancing Module and Spool Output
- Buffer Placement — Absorbing Marine Variability Without Padding Every Task

### Day 4: Reliable Commitments and Learning Loops

- Last Planner Scheduling — Turning Look-Ahead Tasks Into Weekly Promises
- Percent Plan Complete Tracking — Judging Crew Planning Reliability
- Reasons for Variance Analysis — Choosing Which Root Causes to Fix
- Daily Huddle Boards — Making Offshore Progress Visible to Crews
- Plan-Do-Check-Act Cycles — Embedding Continuous Improvement Across Contractors

## Day 5: Practising the Lean Project Improvement Plan

- Value Stream Case Rehearsal — Applying Mapping to a Jacket Installation
- Pull Session Simulation — Applying Backward Sequencing to a Hook-Up Scope
- Weekly Work Plan Drill — Applying Commitments and Variance Review
- Improvement Metrics Selection — Linking Flow Measures to Milestones
- Lean Project Improvement Plan — Presenting Priorities, Owners and Measures

## Applying Lean Pull Planning After the Course

- Run a pull session with yard and marine contractors for the next installation milestone and publish the agreed phase sequence.
- Start a weekly percent plan complete review with a constraint log and report the top three reasons for variance to the project manager.

## Lean Pull Planning Questions FAQ

### What is lean pull planning for offshore and marine projects and why does it matter now?

Lean pull planning schedules work backwards from milestones so each party releases work only when the next needs it. It matters now because vessel days, weather windows and contractor interfaces make waiting and rework costly on marine developments.

### Which roles gain most from lean pull planning on offshore projects?

Planning engineers, construction leads, interface coordinators and project managers gain most. You benefit most when yard, quay and offshore planners attend together.

### How does lean pull planning differ from a general project scheduling course?

Lean pull planning focuses on flow, readiness and reliable weekly promises rather than critical path software. It complements, rather than repeats, network scheduling.

### What do you bring back from lean pull planning training?

You bring back a value stream map, a pull-session sequence and a draft improvement roadmap for your own scope.

## Lean Pull Planning: The Way Forward

The lean project improvement plan sets out which handoffs to redesign, which pull sessions to run and how reliability will be measured. Its first use informs the next installation milestone sequence. Planners, construction leads and contractor interface owners use it weekly. After the first campaign, revisit buffer placement and the variance categories, since marine conditions reveal where the plan needs reshaping.