Effective Management of the Last Planner System® Using vPlanner

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What is vPlanner?

- Easy-to-use and comprehensive Plan-Do-Check-Act (PDCA) visual production management solution.
- Supports all the phases of the Last Planner System® for Production Control including Takt Planning.
- Keeps teams focused on goals by aligning what CAN be done with what SHOULD be done.
- Cloud-based with granular access control to support large teams.
Production Planning and the Last Planner System® Support

vPlanner Value Proposition

Planning Cycle Time: Is the Time Needed to Align WILL, CAN, & SHOULD

vPlanner Reduces the Planning Cycle time from Days to Minutes
Milestone Planning - Integration with CPM Tools

Integrated Analytics (longest paths, late paths, logic trace, task priority)

- Pull Plan
- Verify Durations
- Make Ready Planning
- Verify Plan Meets Targets
- Weekly Work Planning
- Manage Daily Activities
- Act

Import Manager

Schedule Planner
- Primavera P6
- MS Project

Export
- P6
- MS Project
- Excel

Check
- PPC
- Variance
- Lookahead Reliability
- Milestones
- Commitment Level
- Labor Hours
teams that use the Last Planner System® plan better with vPlanner

Milestone Planning: Gantt Summary Report with Progress Complete

Phase Planning – Collaborative Analog to Digital
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**Pull Planning – New Module for Pull Planning in Real-time (Digital)**

1. Last Planners® Create Pull Plan in Real-time Collaboratively (Steps, durations, resources)
2. Group confirms final sequence by adding logic ties
3. Pull Plan Published for Production Management
4. Pull Plan Managed in vPlanner

- Designed for Touch Devices
- Supports Voice Input (Speech to Text)

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Phase Planning (Visual Queries)

- What takes the longest to complete?
- What are the top longest workstreams?
- What is running late? How late?
- What work should be accelerated to gain the most time?
- Are we committing to the right amount of work each week to meet targets?
- Are we completing the right amount of work each week to meet targets?
- What is causing the variance?
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Phase Planning – Resource Forecasting

Phase Planning – Takt Plan & Associated Make Ready Plan (Lookahead View)
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Phase Planning – Takt Plan & Visibility of Constraints (Road Blocks)

Phase Planning: Roll Up Summaries with % Progress Complete Calculation
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Make Ready Planning (Lookahead)

Automated Workflows:
• LPS Screening Rule
• Sorting
• Late Paths
• Integrated Constraint Logs
• Identify Critical / Backlog Work
• Predefined Views (By Person, Company, Team).

Make Ready Planning – Labor Distribution Charts

Features
❖ Auto Summarize
❖ By Day or Week
❖ Auto Groups
❖ Filters
❖ Export to Excel
Weekly Work Planning (Commitment Management)

Completed
PPC is updated accordingly (tracks backlog vs critical)

Completed With Go-Back Work
PPC is updated accordingly & go-back activities are tracked for future planning

On Track
PPC is updated accordingly. Remaining duration adjusted to capture remaining work.

Not Complete
PPC is updated, reasons for variance are identified, and root cause is recorded.

Automated Workflows:
- LPS Shielding Rule
- Critical vs Backlog
- Commitment Level
- Notifications
### vPlanner – A Typical Work Week

<table>
<thead>
<tr>
<th>Activity</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Status Remaining Commitments</td>
<td>~ 30 Min</td>
</tr>
<tr>
<td>Some Re-planning</td>
<td>0-90 Min</td>
</tr>
<tr>
<td>Create Weekly Workplans</td>
<td>~30 Min</td>
</tr>
<tr>
<td>Daily &quot;Huddle&quot;</td>
<td>~15 Min</td>
</tr>
<tr>
<td>Make Ready Planning and Pull Planning</td>
<td>~90-120 Min</td>
</tr>
</tbody>
</table>

#### Weekly Work Planning

<table>
<thead>
<tr>
<th>Day</th>
<th>Mo</th>
<th>Tu</th>
<th>We</th>
<th>Th</th>
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### Examples: vPlanners developing vPlans Collaboratively using vPlanner

![Examples of vPlanners developing vPlans Collaboratively using vPlanner](image-url)
teams that use the Last Planner System®
plan better with vPlanner

Tracking LPS Metrics

Tracking & Metrics (PPC, CL, PRCO)

CL: Measures if the team is committing to what they SHOULD stay on track (WILL/SHOULD).
PRCO: Measures if the team is completing what they should STAY on track (DID/SHOULD).
PPC: Measures overall reliability at keeping promises (DID/WILL)
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Tracking & Metrics (Reasons for Variance & Milestone Variance)

Tracking & Metrics (Labor Hours)
Tracking & Metrics (Custom Reporting Dashboards)

Other New Features
Task Groups – Hierarchical Pull Plans

- Expanded Group
- Collapsed Group

Summary Dashboards – Scrum like boards
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Comprehensive Support for the Last Planner System®

Commitment Management
Identify what DID get done and capture variances
- Complete
- Not Complete
- On Going

Weekly Work Planning
Identify what WILL be done, when & by whom

Make Ready Planning
Screening for constraints to identify what CAN be done and by whom

Phase Schedules
A more detailed view of what SHOULD be done, where & when

Master Schedule
A high level view of what SHOULD be done for the entire project

Near-Term Planning
Long-Term Planning

Overview of vPlanner Related Services

Management Services
- IPD Management
- Design Management
- Takt Planning
- Recovery Planning using Pull.

Last Planner® Coaching
- Last Planner® & Production Management Coaching
- Takt Planning Workshops.
- Lean/IPD Team Coaching

vPlanner Subscriptions
- Quarterly
- Annual
- Enterprise
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