Effective Management of the Last Planner® System Using vPlanner

2018 LCI Congress Webinar Series

Samir Emdanat
Director of Product Development
ssemdanat@Ghafari.com
**What is vPlanner?**

vPlanner is a easy-to-use complete Plan-Do-Check-Act (PDCA) visual pull planning solution.

- Supports all the phases of the Last Planner® System for Production Control.
- Easy to use by Last Planners and Production Managers.
- Helps teams maintain alignment between what they SHOULD do and what they CAN do to achieve targets.
- Improves collaboration, communication, reliability, and trust.

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**vPlanner Software Architecture**

**Desktop Client**

*designed for collaborative pull planning*

**Mobile Commitment Manager**

*provides access from any device*
Planned with vPlanner – Over $10 Billion in Project Value

Last Planner® System Support
Last Planner® System Support

- **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 (Takt)**
  - 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**

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LPS Industry Current State

The Last Planner System is a Registered Trademark of LCI
LPS Industry Current State

The cycle time to align WILL, CAN, SHOULD Exceeds the Weekly Planning Cycle Time

What CAN be Done

What SHOULD be Done

Result: Aligning what SHOULD be done with what CAN be done is very time consuming and impractical

vPlanner Value Proposition

(计划) CAN

(检查/行动) DID

(做) WILL

(计划) SHOULD

(计划) SHOULD

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

Menu:  Exit  Overview  Examples  LPS  Tracking  Last
What Makes Our Approach Different?

You do not start a Pull Plan by placing tasks on a calendar.

*Calendar views suffer from the same limitations introduced by CPM Gantt views.*

You do not go directly from the CPM schedule to Weekly Work Planning.

*This approach is misses the point of why teams use LPS (e.g. Pull Planning, Make Ready Planning)*
vPlanner – Integration with CPM

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

Schedule Planner → Import Manager → Act → Check

PPC, Variance, Lookahead Reliability, Milestones, Commitment Level, Labor Hours

Export

P6, MS Project, Excel

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vPlanner – Phase Planning

Pull Plan Organized in vPlanner (~30 Minutes)

Focus on Sequence of Handoffs to Capture the Intent of the Last Planners.

vPlanner – Phase Planning (Takt Planning)

Automated Workflows:
• Work Sequencing.
• Automatic Layout.
• Visualize Flow.
• Visualize Late Paths.
• Identify Longest Workstreams.
• Rapid Re-planning.
• Pull from Goals (Milestones).
vPlanner – 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?
- What is the immediate impact on the re-planning choices?
- Are we committing to the right amount of work each week to meet targets (CL)?
- Are we completing the right amount of work each week to meet targets (PRCO)?
- What is causing the variance?

vPlanner – Make Ready Planning (Lookahead)

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

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vPlanner – Tracking & Metrics (PPC, CL, PRCO)

- **Reliable Team**
- **Planning to Fail**
vPlanner – Tracking & Metrics (Custom Reporting Dashboards)

- Average PRC
- PRC by Company
- PRC by Workplan

vPlanner Workplan Reliability and Performance Metrics

- vPlanner – Best Practices for Collaborative Planning / Coaching

- Status Remaining Commitments (~ 30 Min)
- Some Re-planning (0-90 Min)
- Create Weekly Workplans (~30 Min)
- Daily "Huddle" (~15 Min)
- Make Ready Planning and Pull Planning (~90-120 Min)

*Investment: 4-5 Hours per week*
Overview of vPlanner Related Services

**Management Services**
- IPD Management
- Design Management
- Design & Construction Planning
- Value Stream Mapping
- VDC Management
- Project Assessments

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

**vPlanner Subscriptions**
- Quarterly
- Annual
- Enterprise

Contacting Us

Twitter: @vPlanners

Web: https://vPlanner.app

LinkedIn: https://www.linkedin.com/company/vplanner/

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