

## Cross the Finish Line Early with the Last Planner® System

The Last Planner® System (LP®S) is a highly collaborative planning process that is based on trust, commitment and respect which enables teams to plan projects to maximize value and minimize waste. In this full day, Level 2 interactive workshop, participants will come to understand the process through the use of hands-on simulations and a presentation, supplemented with a guide, preparing your team to implement LP®S on your projects.

### Learning Outcomes

Participants will learn how the Last Planner® System improves productivity through the creation of flow and elimination of variability. You will understand how pull planning enables last planners to make the commitments and promises needed for reliable work flow in a collaborative work environment. You will learn that trust and respect are the cornerstones of the LP®S and how the continuous improvement cycle, Plan-Do-Check-Act (PDCA) is built into the planning methodology.

### Course Content

The Last Planner® System (LP®S) enables project teams to interact in a collaborative, trusting and respectful environment to plan work that will produce predictable and reliable workflow, delivering high value in less time, at lower cost, with reduced risk.

This workshop will prepare participants to implement LP®S on their projects through:

- Understanding the concept of pull planning, developing the schedule from right to left
- Learning how the Lean Commitment is the backbone of LP®S
- Seeing how the LP®S is structured to support continual learning
- Understanding how reliable and predictable workflow impact progress
- Identifying the various types of waste and developing mitigating strategies
- Tracking key metrics to measure success
- Developing a sample pull plan

Simulations include:

- Two rounds of Villego demonstrate how the Last Planner System improves planning, production capabilities, reliability and profitability of projects
- Airplane Game Simulation demonstrates the effect of small batch processing on productivity
- Dice Game demonstrates the effect of variability on productivity
- 5S demonstrates how maintaining order in the workplace will eliminate waste

The Villego simulation typically creates the “aha” moment in understanding how LPS can improve project workflow with last planners collaborating to deliver value. In a structured environment to simulate a construction site, each team builds a Lego building. In the first round, based on traditional delivery methodologies, we baseline the team's planning and building capabilities. Next, we learn the Last Planner System and how it is used to plan and execute projects with collaboration, discipline and accountability. In the second round, we test the newly acquired LPS knowledge and measure the results.

This course can be structured to suit participant’s current knowledge of Lean processes and methodologies.