Introduction to Short Interval Scheduling (SIS)

- What is SIS and why is it important?
- Lean principles and their application in SIS
- Benefits of SIS for project management
- Key differences between SIS and traditional scheduling

Takt Time Planning and Scheduling

- Defining Takt time and its significance
- Calculating Takt time for your project
- Developing a Takt time plan and schedule
- Aligning resources and activities with Takt time
- Takt time in practice: Case studies and examples

One-Piece Flow Production

- The concept of one-piece flow and its advantages
- Identifying and eliminating waste in production
- Creating a one-piece flow system
- Managing variations and disruptions in flow

Little's Law and Production Analysis

- Understanding Little's Law and its implications
- Using Little's Law to analyze and improve throughput
- Cycle time, lead time, and their relationship to Little's Law
- Optimizing production processes with Little's Law insights

Crew Leveling and Resource Management

- What is crew leveling and why is it essential?
- Techniques for leveling crews and workloads
- Balancing resources for optimal efficiency
- Identifying and addressing resource constraints

Work Packaging and Task Management

- Defining work packages and their role in SIS
- Creating effective work packages for teams
- Breaking down complex tasks into manageable units
- Managing work package dependencies and sequences

Schedule Buffers and Risk Mitigation

- The purpose and types of schedule buffers

- Placing buffers strategically in the schedule
- Managing buffers for risk reduction
- Using buffers to improve project predictability

Managing Contractor Hand-offs

- Best practices for smooth hand-offs
- Communication and collaboration strategies
- Documenting and tracking hand-off processes
- Addressing issues and conflicts during hand-offs

Standardized Work Requirements

- Defining standardized work and its benefits
- Creating standardized work instructions
- Training teams on standardized work
- Using standardized work for continuous improvement

Putting It All Together: Implementing SIS

- Steps for implementing SIS in your organization
- Overcoming challenges and obstacles
- Monitoring and evaluating SIS performance
- Continuous improvement of SIS processes