

# Production planning and scheduling

## Production Planning and Scheduling



This session is intended for site planners to have an overview of the role, useful SAP transactions & best practices on MRP settings.

### Short definition of MRP and how it works in SAP

The main function of the Material Requirement Planning (MRP) is to guarantee the availability of the finished product, this means calculating the components needed (semi-finished / packaging / raw material) to make a product. It consists of several steps : taking inventory of the materials and components on hand, identifying which additional ones are needed and then scheduling their production or procurement.

### The Material Requirement Planning tries to conciliate as much as possible the 3 following objectives

- Optimize the Service Level rate by delivering On Time In Full (OTIF)
- Optimize inventory
- Improve day-to-day operational efficiency

This document is recommended for newcomers and those seeking continuous improvement in the domain of site planning.

### Role and workflow for site planner

- [Description of role in video](#)
- [Role in the manufacturing plant](#)
- [RACI model for weekly production plan alignment](#)
- [Typical site planner's workflow](#)

### >> [Best practices & setting in SAP](#)

### Optimization of frequency of production and lot size based on Manufacturing and Financial elements

>> see [Production Wheel concept](#)

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