



How to Use Manufacturing Critical-path Time (MCT) for Continuous Improvement and Lead Time Reduction

Virtual Training Workshop Presented by the Center for Quick Response Manufacturing

Learn to Use this Precise Time-based Metric to Support Improvement Projects

In partnership with industry, the Center for Quick Response Manufacturing (QRM) has developed Manufacturing Critical-path Time (MCT), a precise time-based metric designed to capture how engineering, order processing, manufacturing, raw material procurement and shipping are linked while fulfilling customer orders. The metric allows you to discover new improvement opportunities by highlighting system-wide waste such as stockpiling finished goods and partially completed components.

Speakers from John Deere and the University of Wisconsin-Madison will explain the MCT metric and feature hands-on exercises to demonstrate how to create MCT maps to prioritize opportunities for continuous improvement to support better order fulfillment. Focusing on Manufacturing Critical-path Time has helped companies cut lead times by over 80%, improve on-time delivery to over 99% and reduce costs by 10-15%.

What you will learn:

- Definition of Manufacturing Critical-path Time (MCT)
- The business impact of MCT reduction: reduced operating costs, improved quality, and better on-time delivery
- How to use MCT to identify opportunities to improve operations in the shop floor, office and supply chain
- Numerical examples of MCT calculation in internal operations and the supply chain
- Using MCT Mapping to communicate opportunities and convince management

QRM Certificate

This course fulfills one of the requirements for the recently launched QRM Certificate from the University of Wisconsin-Madison. Please see our website for details.

Presenters



Rajan Suri
UW-Madison QRM Center
Founding Director



Nathan Stoflet
John Deere
Global Supply Management
Process Lead



Charlene Yauch
UW-Madison QRM Center
Associate Director

New Virtual Workshops: Safer and More Convenient

Due to the ongoing nationwide COVID-19 pandemic and the restrictions on public gatherings, QRM workshops will be delivered virtually for the foreseeable future. Get the same great training from QRM Center staff without the hassle of travel or the risk of infection.

Event Details

Date: May 20, 2021

Time: 12:30 p.m. – 4:30 p.m.
(Central Time)

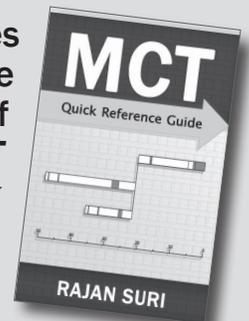
Fees: \$345 per person
(Discounted rate for QRM Center members: \$195 per person)

Format: Virtual training session via Microsoft Teams

Registration Deadline:
May 18, 2021

To register online, go to
www.qrm.engr.wisc.edu

Attendees will receive a copy of the **MCT Quick Reference Guide**.



Center for
Quick Response Manufacturing
UNIVERSITY OF WISCONSIN-MADISON