

Success Stories

Success Stories Showcase Track

Immerse yourself in real-world applications of TOC in action, as companies who have implemented TOC highlight their remarkable achievements and tangible results. Gain valuable insights into their innovative strategies and learn how they have overcome challenges using TOC principles.

Identify the SYSTEM's CONSTRAINT(s) but IGNORE sub-system constraints at your own PERIL: Insights from the Supply Chain Digital Twin Project at Jindal Steel and Power

Presented by Dr. Alan Barnard & Bimlendra Jha



SUMMARY Exploring how the Supply Chain Digital Twin (SCDT) initiative enhances goal maximization by incorporating both system-level and subsystem-level constraints, featuring new and counter-intuitive insights from the Jindal Steel and Power project

Blueprinting for Flow: Incorporating TOC Principles into a New Emergency Department Build

Presented by Dr. David Boger & Dr. Benjamin Newman



SUMMARY Guided by Theory of Constraints (TOC) principles, we have shaped the design of our future Emergency Department, which strategically integrates buffers and dedicated spaces to buffer our bottlenecks and enhance patient flow. Including a thoughtfully designed triage space and a "care initiation area," our department anticipates significant increases in system throughput, bolstering patient care and operational efficiency.

Surgical Precision in Scheduling: Enhancing Surgery Room Throughput with Drum Buffer Rope (DBR)

Presented by Dr. Spyros Bonatsos

SUMMARY Explore the transformative application of the Theory of Constraints in hospital surgery departments through this PhD thesis presentation, which reveals a 30% increase in operating room throughput. By combining action research with TOC tools like Drum Buffer Rope and the Logical Thinking Process, the study demonstrates significant improvements in efficiency and offers a new theoretical framework for operational management, suggesting ways to enhance service quality and deliver patient-centric care globally.

Implementing CCPM Based on the Existing SAP System at Haver & Boecker: Enhancing Project Efficiency

Presented by Marvin Brox



SUMMARY Discover how Haver & Boecker successfully integrated Critical Chain Project Management (CCPM) with the SAP Project System (PS) and the Milliarum CCPM software to optimize project efficiency and reduce lead times. This presentation will highlight the challenges faced, technical insights, and the tangible benefits achieved.

Custom Metal Parts - Graepel, Operations and Business Excellence Supply Chain

Presented by Gerhard Bullinger & Paul Seifriz



SUMMARY Graepel management and Paul will tell the story of Graepel's journey to implement the Theory of Constraints. The story starts with the analysis and ends with the results Graepel achieved.

From Companies to Industries, the Next Leap in TOC

Presented by Henry Camp



SUMMARY Discover how Theory of Constraints (TOC) is transforming the aviation industry, with insights from the Hawkeye Engine Services case study. This presentation explores how TOC principles address post-pandemic challenges and pave the way for sustainable growth and operational excellence in Maintenance and Repair Operations (MROs)."

Scaling by Design (Not by Accident) using TOC Principles

Presented by Mirta Fagundes dos Santos



SUMMARY WiseTech Global, a leading provider of software solutions to the global logistics industry, drove its market cap from \$1 billion to \$30 billion in under a decade. In this presentation, Mirta will share some of the critical strategies and tactics (based on foundational Theory of Constraints principles) that WiseTech used to scale its operations and support such extraordinary growth.

The Good, the Bad and the Ugly of CCPM Implementations

Presented by Alejandro Fernandez, David Mazuera, Mario Hernández, Jorge Ramirez Covo, Alfonso Flórez, Alejandro Maldonado, John Fabian Toro



SUMMARY Explore the spectrum of experiences in CCPM implementations across Colombia, Ecuador, and Mexico, highlighting both successes and challenges. Through cause-and-effect analysis, discover strategies to overcome obstacles and improve CCPM implementations within the TOCICO community.

Adapting TOC in Complex Project Environments: Lessons from GPM's Implementation

Presented by Lukas Jochum



SUMMARY Join Lukas Jochum as he shares GPM's journey with the Theory of Constraints (TOC) and Critical Chain Project Management (CCPM). After an initial failed implementation, GPM adopted TOC principles like "Focus and Finish," resulting in improved performance and portfolio transparency. This session covers strategies for aligning diverse needs in a project-driven organization to achieve better project management outcomes

The Standardization vs Innovation Challenge

Presented by Ian Larsen



SUMMARY Innovation and standardization are, in the first instance, often viewed as diametrically opposed. However, a deeper analysis of the seemingly conflicting pressures to seek innovative solutions vs reuse and standardize processes reveals new insights into the nature of the SPEED QUALITY CONFLICT that is at the core of most human endeavor. In this presentation, Ian will share WiseTech's insights and the stunning resolution of this perennial conflict.

Productivity at the Center of Everything: Scaling Work Practices with TOC at their Core.

Presented by Cody Love



SUMMARY WiseTech places Theory of Constraints principles at the core of its operations. With over 20 years of experience in large-scale enterprise software, Cody Love, Head of Productivity, will share practical lessons and wisdom from WiseTech's unique approach, which avoids conventional best practices in favor of a custom culture and structure centered around TOC.

Telemedicine to the Rescue: Using TOC to Deploy a Solution to Mitigate a Critical Staffing Bottleneck in a US Emergency Department

Presented by Dr. Benjamin Newman & Dr. David Boger



SUMMARY As novices in Theory of Constraints (TOC), we utilized its principles to successfully plan and execute a telemedicine project addressing our critical staffing shortage, to maintain our front end processes and maintain efficiency of downstream emergency medicine physician.

CCPM in Hawk Fighter Jet Trainer MRO – Deliver More Availability, Faster, and at Lower Cost

Presented by Rene Nibbelke & Simon White



SUMMARY The Royal Air Force Hawk MRO team used Critical Chain PM methodology to complete long-term maintenance projects faster and at lower cost. Focusing on key factors like shorter schedules, resource de-confliction, and daily recovery actions, they utilized the Exepron planning tool and insights from global partners to increase throughput, free up capacity, and boost profits.

How We Increased Code Output 5x Using TOC?

Presented by Konrad Otrebski & Pawel Schmidt

SUMMARY This presentation details how an international web service company serving hotels adopted TOC and DevOps principles, resulting in a deployment rate increase by two orders of magnitude and a fivefold increase in code output. A truly outstanding case.

Insights from a Lifelong Focus and Flow (TOC) Practitioner and Transformation Agent

Presented by Bill Rhind

SUMMARY Over his 40+ year career, Bill Rhind has combined his scientific and engineering background with his process improvement skills to bring significant benefits across various industries. In this presentation, he will share key insights and learnings from his journey with TOC, highlighting how embracing its principles can lead to greater transformational results.

Save my SAFE! - Leverage FLOW with TOC

Presented by Jan Schierig & Wolfgang Klemm



SUMMARY At Telekom-IT, Germany, the SAFE implementation was leveraged to achieve significantly greater FOCUS and FLOW by introducing elements of TOC. Through simplified and rapid bottleneck management, management, product owners, and RTEs align on the same priorities and focus on maintaining continuous FLOW for all teams.

Building Site Excavation Unrefusable Offer

Presented by Rainer Leonhard Schrode & Paul Seifriz



SUMMARY A sustainable solution for excavating material and later filling gravel around an object has existed for many years but has never been accepted by builders. The unrefusable offer made to communities convinced them to require the application of the MTS solution in all their building projects..

Streamlining Success: Theory of Constraints Thinking Processes for Efficiency and Burnout Mitigation in Behavioral Health Clinics

Presented by Dr. Danilo Sirias

SUMMARY Discover how the Theory of Constraints Thinking Processes was used to improve a behavioral health clinic by streamlining operations and promoting wellness and productivity.

Unanticipated Insights: Endress+Hauser's Journey Through CCPM Implementation

Presented by Dr. Dietmar Spanke & Uwe Techt



SUMMARY Join Dr. Dietmar Spanke and Uwe Techt as they share the transformative journey of implementing Critical Chain Project Management (CCPM) at Endress+Hauser. Learn about the challenges, innovative solutions, and valuable lessons that led to improved organizational efficiency and reliability, offering a practical roadmap for similar endeavors. Critical Chain & Rules of Flow Implementations Across BAE Systems.

Achieving Breakthrough to Become Europe's Top Burn and Wound Treatment Hospital

Presented by Jacek Węgrzyk, Marcin Ludyga & Pawel Schmidt



SUMMARY This presentation shares how a hospital identified its constraint and applied TOC tools to achieve breakthrough solutions, uncovering unexpected opportunities for growth. Despite challenges like limited staffing, high costs, and insufficient awareness, the Thinking Processes help maintain focus on becoming a lifesaver for patients within its expertise

Critical Chain & Rules of Flow Implementations Across BAE Systems

Presented by Simon White, Rene Nibbelke & Tim Stacey



SUMMARY Explore how BAE Systems successfully implemented Critical Chain Project Management (CCPM) and the Rules of Flow to enhance project delivery and efficiency. This presentation will cover key strategies, outcomes, and lessons learned from applying these methodologies across the organization.