

BOOK REVIEW #4

ACADEMIC TEXTBOOKS about LEAN

The following two books have been published some years ago and already extensively reviewed.

The reason why we nevertheless like to mention these two books (incl. table of contents) is two-fold:

(1) both books have received **excellent comments** - giving confidence to experienced LEAN practitioners but also to people new to LEAN that these books provide a solid background about LEAN but can also be used as reference material, starter's guide, refresher lecture, etc.

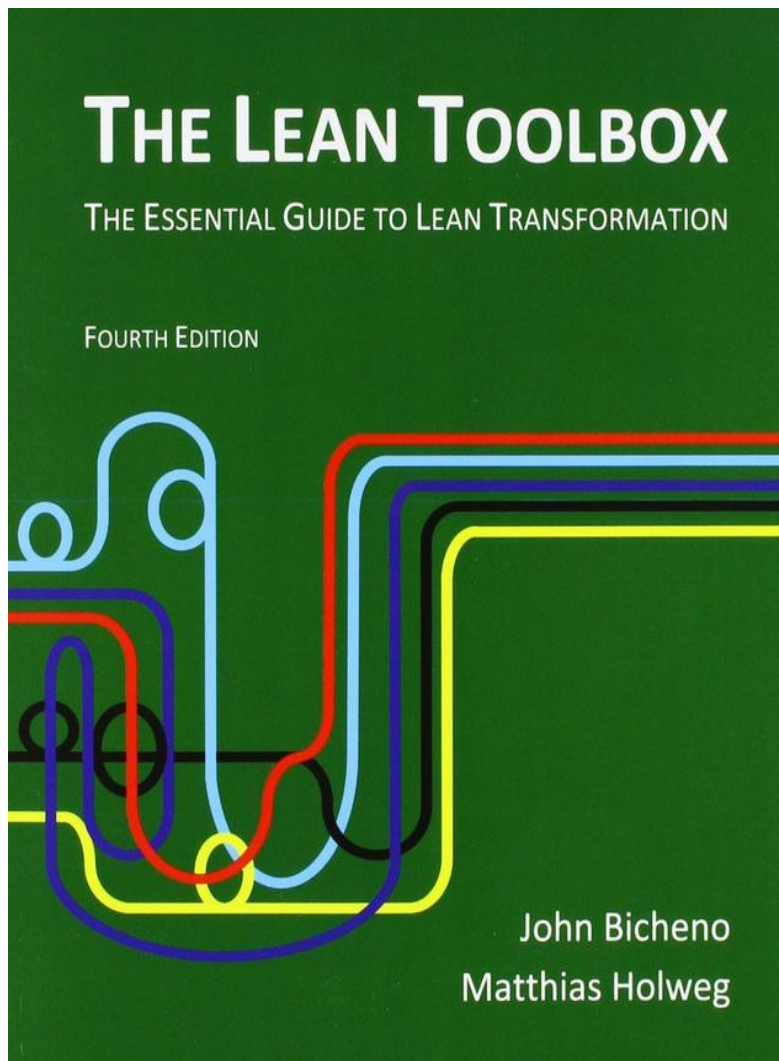
(2) both books are still used as textbooks for undergraduate commercial & civil engineering students at the university - which is in principle a guarantee that these books contain state-of-the-art material; as long as no better books are published university & highschool lecturers indeed prefer to stick to **proven handbooks**.

Important to mention is that these books are more **study material** than easy-to-read books. However, the time and energy you will put in, will surely have its benefits.

jde - XII.2013

ESSENCE consult

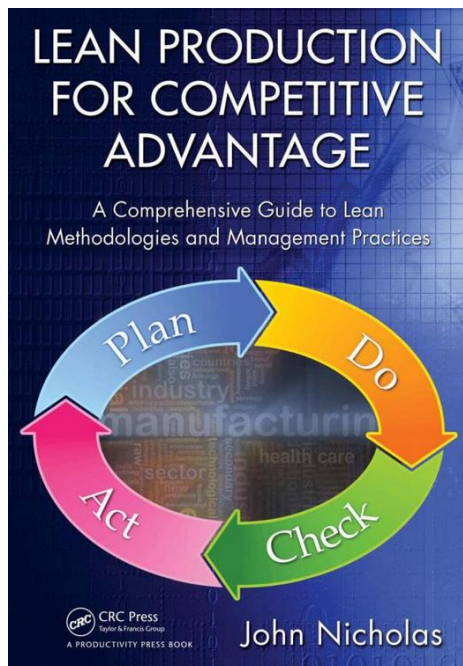




The Lean Toolbox - The Essential Guide to Lean Transformation - Fourth Edition - 2009 is written for practitioners and for students, and is the extensively revised version of the best selling 'The New Lean Toolbox'.

Table of Contents

- 1 The fourth edition of the Lean toolbox
- 2 Philosophy
- 3 Value and waste
- 4 Lean transformation frameworks
- 5 Strategy, planning, deployment
- 6 Preparing for flow
- 7 Mapping, assessments and analysis
- 8 Layout and cell design
- 9 Scheduling
- 10 Theory of constraints and factory physics
- 11 Quality
- 12 Improvement
- 13 Managing change
- 14 Sustainability-making change stick
- 15 New product development and introduction
- 16 Creating the Lean supply chain
- 17 Accounting and measurement
- 18 Lean - how it all came about
- 19 Further resources - where to get help



The Lean concepts & principles described in this book - published in **2011** - have revolutionized manufacturing practice & business conduct in a manner similar to what Henry Ford's system did for mass manufacturing. Lean production, however, involves much more than the adoption of methods & procedures, it requires a change in **management philosophy** that emphasises relationship building, trust and responsibility being conferred to frontline workers and suppliers.

Contents

- 1 Race without a Finish Line

Section I Continuous Improvement, Waste Elimination, Customer-Focused Quality

- 2 Fundamentals of Continuous Improvement
- 3 Value Added and Waste Elimination

- 4 Customer-Focused Quality

Section II Elements of Lean Production

- 5 Small Lot Production
- 6 Setup-Time Reduction
- 7 Managing and Improving Equipment
- 8 Pull Production Systems
- 9 Focused Factories and Group Technology
- 10 Workcells and Cellular Manufacturing
- 11 Standard Operations
- 12 Quality at the Source and Mistake-Proofing

Section III Lean Production Planning, Control, and Supply Chains

- 13 Uniform Flow and Mixed-Model Scheduling
- 14 Synchronizing and Balancing the Process
- 15 Planning and Control in Pull Production
- 16 Lean Production in the Supply Chain