

Get Free The Machine That Changed The World Based On The Massachusetts Institute Of Technology 5 Million Dollar 5 Year Study On The Future Of Technology

comprehensive review process? Inventory Process™ Optimization. An expanded section on executing an inventory review program. A closing 'where to from here' chapter. 57 figures and diagrams - 30 of them new and the others all revised and updated and six new tables (with 8 in total). Eight new checklists - specifically included as a new tool for the reader and is the result of direct reader requests. An expanded glossary.

Winner Of The 2007 Shingo Prize For Excellence In Manufacturing Research! Lean production, which has radically benefited traditional manufacturing, can greatly improve the software industry with similar methods and results. This transformation is possible because the same overarching principles that apply in other industries work equally well in software development. The software industry follows the same industrial concepts of production as those applied in manufacturing; however, the software industry perceives itself as being fundamentally different and has largely ignored what other industries have gained through the application of lean techniques. Lean Software Strategies: Proven Techniques for Managers and Developers, shows how the most advanced concepts of lean production can be applied to software development and how current software development practices are inadequate. Written for software engineers, developers, and leaders who need help creating lean software processes and executing genuinely lean projects, this book draws on the personal experiences of the two authors as well as research on various software companies applying lean production to software development programs.

When James Womack, Daniel Jones, and Daniel Roos wrote THE MACHINE THAT CHANGED THE WORLD in 1990, Japanese automakers, and Toyota in particular, were making a strong showing by applying the principles of lean production. However, the full power of lean principles was unproven, and they had not been applied outside of the auto industry. Today, the power of lean production has been conclusively proved by Toyota's unparalleled success, and the concepts have been widely applied in many industries. Based on MIT's pioneering global study of industrial competition, THE MACHINE THAT CHANGED THE WORLD offers a groundbreaking analysis of the entire lean business system, including product development, supplier management, sales, service, and production - an analysis even more relevant today as GM and Ford struggle to survive and a wide range of British and American companies embrace lean production. A new Foreword by the authors brings the story up to date and details how their predictions were right. As a result, this reissue of a classic is as insightful and instructive today as when it was first published. Do you want more free book summaries like this? Download our app for free at <https://www.QuickRead.com/App> and get access to hundreds of free book and audiobook summaries. The Story of Lean Production - Toyota's Secret Weapon in the Global Car Wars that is Now Revolutionizing World Industry. Peter Drucker once dubbed the automobile industry as "the industry of industries," and today, automobile manufacturing is still the world's largest manufacturing activity as more than 50 million new vehicles are produced each year. You likely own a vehicle yourself. Perhaps you own several. Regardless, the automobile industry has changed our lives in more ways than one. Twice in this century, it has changed the fundamental idea of how we make things, which then influences how we work, what we buy, how we think, and how we live. One Japanese car company, in particular, Toyota, has maintained a credible reputation for quality and innovation, making it one of the most successful car manufacturers

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and his other discoveries confirmed his doubts about the working conditions under the Japanese Miracle. For example, he learned that male employees treated their female counterparts as short-term employees, cheap labor, and potential wives. Mehri also describes a surprisingly unhealthy work environment, a high rate of injuries due to inadequate training, fast line speeds, crowded factories, racism, and lack of team support. And in conversations with his colleagues, he uncovered a culture of intimidation, subservience, and vexed relationships with many aspects of their work and surroundings.

Price indexes can be constructed using a "hedonic method" that adjusts for changes in the quality of a product. This handbook sets out best practice for constructing hedonic indexes.

A theoretical framework aiming to facilitate study of development economics. The author presents his theory in three sections: how advanced nations developed; a proposed third dimension, in addition to labour and capital; and why capital accumulation is unnecessary, even potentially harmful.

Expanded, updated, and more relevant than ever, this bestselling business classic by two internationally renowned management analysts describes a business system for the twenty-first century that supersedes the mass production system of Ford, the financial control system of Sloan, and the strategic system of Welch and GE. It is based on the Toyota (lean) model, which combines operational excellence with value-based strategies to produce steady growth through a wide range of economic conditions. In contrast with the crash-and-burn performance of companies trumpeted by business gurus in the 1990s, the firms profiled in Lean Thinking -- from tiny Lantech to midsized Wiremold to niche producer Porsche to gigantic Pratt & Whitney -- have kept on keeping on, largely unnoticed, along a steady upward path through the market turbulence and crushed dreams of the early twenty-first century. Meanwhile, the leader in lean thinking -- Toyota -- has set its sights on leadership of the global motor vehicle industry in this decade. Instead of constantly reinventing business models, lean thinkers go back to basics by asking what the customer really perceives as value. (It's often not at all what existing organizations and assets would suggest.) The next step is to line up value-creating activities for a specific product along a value stream while eliminating activities (usually the majority) that don't add value. Then the lean thinker creates a flow condition in which the design and the product advance smoothly and rapidly at the pull of the customer (rather than the push of the producer). Finally, as flow and pull are implemented, the lean thinker speeds up the cycle of improvement in pursuit of perfection. The first part of this book describes each of these concepts and makes them come alive with striking examples. Lean Thinking clearly demonstrates that these simple ideas can breathe new life into any company in any industry in any country. But most managers need guidance on how to make the lean leap in their firm. Part II provides a step-by-step action plan, based on in-depth studies of more

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than fifty lean companies in a wide range of industries across the world. Even those readers who believe they have embraced lean thinking will discover in Part III that another dramatic leap is possible by creating an extended lean enterprise for each of their product families that tightly links value-creating activities from raw materials to customer. In Part IV, an epilogue to the original edition, the story of lean thinking is brought up-to-date with an enhanced action plan based on the experiences of a range of lean firms since the original publication of Lean Thinking. Lean Thinking does not provide a new management "program" for the one-minute manager. Instead, it offers a new method of thinking, of being, and, above all, of doing for the serious long-term manager -- a method that is changing the world.

Things that are good for the planet are also good for business. Numerous studies from the likes of the Economist Intelligence Unit, Harvard, MIT Sloan, and others indicate that organizations that commit to goals of zero waste, zero harmful emissions, and zero use of nonrenewable resources clearly outperform their competition. Like lean thinking, green. The automotive industry ranks among the most significant business phenomena of the 20th century and remains vitally important today, accounting for almost 11% of the GDP of North America, Europe and Japan and one in nine jobs. In economic and social terms alike, its products have had a fundamental impact on modern society - for better and worse. Yet the industry has found it hard to adjust to recent challenges and is no longer much valued by the capital markets. It is riven with internal contradictions that inhibit reform, and faces a stark choice between years of strife or radical change. This book is a wake-up call for those who work in the automotive business. It highlights the challenges and opportunities that exist for managers, legislators, financial institutions and potential industry entrants. Most of all, it gives us all cause to reflect on the value of our mobility, today and tomorrow.

The Lean concepts and principles described in this book have revolutionized manufacturing practice and 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 and procedures, it requires a change in management philosophy that emphasizes relationship building, trust, and responsibility being conferred to frontline workers and suppliers. Based on three decades of teaching experience, *Lean Production for a Competitive Advantage: A Comprehensive Guide to Lean Methodologies and Management Practices* introduces the Lean philosophy and illustrates the effective application of Lean tools with real-world case studies. From fundamental concepts to integrated planning and control in pull production and the supply chain, the text provides a complete introduction to Lean production. Coverage includes small batch production, setup reduction, pull production, preventive maintenance, standard operations, as well as synchronizing and scheduling lean operations. Detailing the key principles and practices of Lean production, the text also: Illustrates effective implementation techniques with case studies from a range of industries Includes questions and completed

