

Lean From The Trenches Managing Large Scale Projects With Kanban

The Lean Change Method is a practical how-to guide for anyone wanting to transform their technology business.[https://tsw.createspace.com/title/4469681/distribute/description#Co-Create Your Change](https://tsw.createspace.com/title/4469681/distribute/description#Co-Create+Your+Change)The Lean Change method will teach you collaborative and innovative techniques to manage Agile change. Validate Your Transformation Learn how to systematically test your change plan and iterate based on just-in-time feedback.

Today, even the largest development organizations are turning to agile methodologies, seeking major productivity and quality improvements. However, large-scale agile development is difficult, and publicly available case studies have been scarce. Now, three agile pioneers at Hewlett-Packard present a candid, start-to-finish insider's look at how they've succeeded with agile in one of the company's most mission-critical software environments: firmware for HP LaserJet printers. This book tells the story of an extraordinary experiment and journey. Could agile principles be applied to re-architect an enormous legacy code base? Could agile enable both timely delivery and ongoing innovation? Could it really be applied to 400+ developers distributed across four states, three continents, and four business units? Could it go beyond delivering incremental gains, to meet the stretch goal of 10x developer productivity improvements? It could, and it did—but getting there was not easy. Writing for both managers and technologists, the authors candidly discuss both their successes and failures, presenting actionable lessons for other development organizations, as well as approaches that have proven themselves repeatedly in HP's challenging environment. They not only illuminate the potential benefits of agile in large-scale development, they also systematically show how these benefits can actually be achieved. Coverage includes:

- Tightly linking agile methods and enterprise architecture with business objectives
- Focusing agile practices on your worst development pain points to get the most bang for your buck
- Abandoning classic agile methods that don't work at the largest scale
- Employing agile methods to establish a new architecture
- Using metrics as a “conversation starter” around agile process improvements
- Leveraging continuous integration and quality systems to reduce costs, accelerate schedules, and automate the delivery pipeline
- Taming the planning beast with “light-touch” agile planning and lightweight long-range forecasting
- Implementing effective project management and ensuring accountability in large agile projects
- Managing tradeoffs associated with key decisions about organizational structure
- Overcoming U.S./India cultural differences that can complicate offshore development
- Selecting tools to support quantum leaps in productivity in your organization
- Using change management disciplines to support greater enterprise agility

People are happiest and most productive if they can choose what they work on and who they work with. Self-selecting teams give people that choice. Build well-designed and efficient teams to get the most out of your organization, with step-

by-step instructions on how to set up teams quickly and efficiently. You'll create a process that works for you, whether you need to form teams from scratch, improve the design of existing teams, or are on the verge of a big team re-shuffle. Discover how New Zealand's biggest e-commerce company completely restructured their business through Self-Selection. In the process, find out how to create high-performing groups by letting people self-organize into small, cross-functional teams. Step-by-step guides, easy-to-follow diagrams, practical examples, checklists, and tools will enable you to run a Self-Selection process within your organization. If you're a manager who wants to structure your organization into small teams, you'll discover why Self-Selection is the fastest and safest way to do so. You'll prepare for and organize a Self-Selection event and make sure your Self-Selection participants and fellow managers are on board and ready. If you're a team member, you'll discover what it feels like to be part of a Self-Selection process and what the consequences are for your daily work. You'll learn how to influence your colleagues and bosses to be open to the idea of Self-Selection. You'll provide your manager with a plan for how to facilitate a Self-Selection event, and with evidence that the system works. If you're feeling the pain and chaos of adding new people to your organization, or just want to ensure that your teams have the right people with the right skills, Self-Selection will help you create the effective teams you need. You know the Agile and Lean development buzzwords, you've read the books. But when systems need a serious overhaul, you need to see how it works in real life, with real situations and people. Lean from the Trenches is all about actual practice. Every key point is illustrated with a photo or diagram, and anecdotes bring you inside the project as you discover why and how one organization modernized its workplace in record time. Lean from the Trenches is all about actual practice. Find out how the Swedish police combined XP, Scrum, and Kanban in a 60-person project. From start to finish, you'll see how to deliver a successful product using Lean principles. We start with an organization in desperate need of a new way of doing things and finish with a group of sixty, all working in sync to develop a scalable, complex system. You'll walk through the project step by step, from customer engagement, to the daily "cocktail party," version control, bug tracking, and release. In this honest look at what works--and what doesn't--you'll find out how to: Make quality everyone's business, not just the testers. Keep everyone moving in the same direction without micromanagement. Use simple and powerful metrics to aid in planning and process improvement. Balance between low-level feature focus and high-level system focus. You'll be ready to jump into the trenches and streamline your own development process. Drive Strategy With Simplicity—On A Single Sheet Of Paper! The One-Page Project Manager set a new standard as an understandable and easy-to-apply organizational tool, allowing managers to summarize complex projects on a single information-rich page. This book, third in the OPPM series, describes how to combine the OPPM with the Toyota A3 report to create an enhanced, integrated management tool. With a refreshingly clear style, the authors walk users

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through implementing the OPPM/A3 using a variety of real-world case studies, as well as their own experience at O.C. Tanner Company. Rich with tools, templates, and teaching, the emphasis throughout remains on maintaining simplicity across the organization—communicating the right information to the right people at the right time to get the right things done. Praise for The One-Page Project Manager "Executives want the answers to two questions: Where are we today? Where will we end up? Do you really believe this cannot be accomplished on a single sheet of paper? The One-Page Project Manager series of books is encouraging you to do just that. Making this part of your Project Management methodology will simplify and improve your project communication, especially for busy executives." —Harold D. Kerzner, PhD, Senior Executive Director, International Institute for Learning, Inc. "Clark Campbell fills a void and bridges a communication gap that has long existed between company executives and project or program managers. OPPM successfully links corporate strategy to those in the trenches managing projects." —Dr. Denis R. Petersen, PMP®, President and CEO, Milestone Management Consultants, LLC "Clark Campbell and Mike Collins present how OPPM works to drive strategy deployment. With OPPM in our lean tool kit, we have tapped into the creativity of our people to pump up productivity, cut cycle times, reduce inventories, and sustain world-class quality." —Harold Simons, Executive Vice President, Supply Chain, O.C. Tanner Company, Member of the Shingo Prize Board of Governors (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

Lean organisations seem to work in a simple manner and operate with an innate calmness. They have removed much of the complexity that inhibits the performance of other companies, but achieving this level of simplicity is not easy. In The Simplicity of Lean, Philip Holt provides a comprehensive handbook of the Lean principles, presented in an accessible and easy to apply manner. The Simplicity of Lean is a step-by-step guide to the Lean Thinking that makes your organisation more efficient and effective. The book offers the necessary context of how to apply Lean Thinking to make your Lean Transformation successful. Alongside the theory and the practical application of Lean, Philip also shares his personal insights and experiences, as well as individual success stories (and failures) from various Lean leaders from across the world. The Simplicity of Lean is the perfect guide to make your Lean journey a resounding success. Philip Holt is Senior Vice President, Global Transformation, at GKN Aerospace and a Board Member of the Operational Excellence Society. He studied Engineering at Manchester Metropolitan University and Management at the Wharton School of Pennsylvania and the University of Warwick, was an engineer at Gillette and led the Lean Deployment worldwide at Philips for over twelve years. He achieved Lean Master status and has summarised his 30+ years of experience and insights into Lean Leadership in his previous book Leading with Lean and his most recent book, The Simplicity of Lean.

Lean Logic is David Fleming's masterpiece, the product of more than thirty years' work and a testament to the creative

brilliance of one of Britain's most important intellectuals. A dictionary unlike any other, it leads readers through Fleming's stimulating exploration of fields as diverse as culture, history, science, art, logic, ethics, myth, economics, and anthropology, being made up of four hundred and four engaging essay-entries covering topics such as Boredom, Community, Debt, Growth, Harmless Lunatics, Land, Lean Thinking, Nanotechnology, Play, Religion, Spirit, Trust, and Utopia. The threads running through every entry are Fleming's deft and original analysis of how our present market-based economy is destroying the very foundations--ecological, economic, and cultural-- on which it depends, and his core focus: a compelling, grounded vision for a cohesive society that might weather the consequences. A society that provides a satisfying, culturally-rich context for lives well lived, in an economy not reliant on the impossible promise of eternal economic growth. A society worth living in. Worth fighting for. Worth contributing to. The beauty of the dictionary format is that it allows Fleming to draw connections without detracting from his in-depth exploration of each topic. Each entry carries intriguing links to other entries, inviting the enchanted reader to break free of the imposed order of a conventional book, starting where she will and following the links in the order of her choosing. In combination with Fleming's refreshing writing style and good-natured humor, it also creates a book perfectly suited to dipping in and out. The decades Fleming spent honing his life's work are evident in the lightness and mastery with which Lean Logic draws on an incredible wealth of cultural and historical learning--from Whitman to Whitefield, Dickens to Daly, Kropotkin to Kafka, Keats to Kuhn, Oakeshott to Ostrom, Jung to Jensen, Machiavelli to Mumford, Mauss to Mandelbrot, Leopold to Lakatos, Polanyi to Putnam, Nietzsche to Næss, Keynes to Kumar, Scruton to Shiva, Thoreau to Toynbee, Rabelais to Rogers, Shakespeare to Schumacher, Locke to Lovelock, Homer to Homer-Dixon--in demonstrating that many of the principles it commends have a track-record of success long pre-dating our current society. Fleming acknowledges, with honesty, the challenges ahead, but rather than inducing despair, Lean Logic is rare in its ability to inspire optimism in the creativity and intelligence of humans to nurse our ecology back to health; to rediscover the importance of place and play, of reciprocity and resilience, and of community and culture. ----- Recognizing that Lean Logic's sheer size and unusual structure could be daunting, Fleming's long-time collaborator Shaun Chamberlin has also selected and edited one of the potential pathways through the dictionary to create a second, stand-alone volume, *Surviving the Future: Culture, Carnival and Capital in the Aftermath of the Market Economy*. The content, rare insights, and uniquely enjoyable writing style remain Fleming's, but presented at a more accessible paperback-length and in conventional read-it-front-to-back format. Organizations around the world are using Lean to redesign care and improve processes in a way that achieves and sustains meaningful results for patients, staff, physicians, and health systems. *Lean Hospitals, Third Edition* explains how to use the Lean methodology and mindsets to improve safety, quality, access, and morale while reducing costs,

increasing capacity, and strengthening the long-term bottom line. This updated edition of a Shingo Research Award recipient begins with an overview of Lean methods. It explains how Lean practices can help reduce various frustrations for caregivers, prevent delays and harm for patients, and improve the long-term health of your organization. The second edition of this book presented new material on identifying waste, A3 problem solving, engaging employees in continuous improvement, and strategy deployment. This third edition adds new sections on structured Lean problem solving methods (including Toyota Kata), Lean Design, and other topics. Additional examples, case studies, and explanations are also included throughout the book. Mark Graban is also the co-author, with Joe Swartz, of the book *Healthcare Kaizen: Engaging Frontline Staff in Sustainable Continuous Improvements*, which is also a Shingo Research Award recipient. Mark and Joe also wrote *The Executive's Guide to Healthcare Kaizen*.

Ready, set, liftoff! Align your team to one purpose: successful delivery. Learn new insights and techniques for starting projects and teams the right way, with expanded concepts for planning, organizing, and conducting liftoff meetings. Real-life stories illustrate how others have effectively started (or restarted) their teams and projects. Master coaches Diana Larsen and Ainsley Nies have successfully "lifted off" numerous agile projects worldwide. Are you ready for success? Every team needs a great start. If you're a business or product leader, team coach or agile practice lead, project or program manager, you'll gain strategic and tactical benefits from liftoffs. Discover new step-by-step instructions and techniques for boosting team performance in this second edition of *Liftoff*. Concrete examples from our practices show you how to get everyone on the same page from the start as you form the team. You'll find pointers for refocusing an effort that's gone off in the weeds, and practices for working with teams as complex systems. See how to scale liftoffs for multiple teams across the enterprise, address the three key elements for collaborative team chartering, establish the optimal conditions for learning and improvement, and apply the GEFN (Good Enough for Now) rule for efficient liftoffs. Throughout the book are stories from real-life teams lifting off, as seasoned coaches describe their experiences with liftoffs and agile team chartering. Focused conversations help the team align, form, and build enough trust for collaborating. You'll build a common understanding of the teams' context within business goals. Every liftoff is unique, but success is common!

Despite enormous investments of time and money, are we making a dent on the social and environmental challenges of our time? What if we could exponentially increase our impact? Around the world, a new generation is looking beyond greater profits, for meaningful purpose. But, unlike business, few social interventions have achieved significant impact at scale. Inspired by the modern innovation practices, popularized by bestseller *The Lean Startup*, that have fueled technology breakthroughs touching every aspect of our lives, *Lean Impact* turns our attention to a new goal - radically greater social good. Social change is far more complicated than building a new app. It requires more listening, more care, and more stakeholders. To make a lasting difference, solutions must be embraced by beneficiaries, address root causes, and include

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an engine that can accelerate growth to reach the scale of the need. Lean Impact offers bold ideas to reach audacious goals through customer insight, rapid experimentation and iteration, and a relentless pursuit of impact. Ann Mei Chang brings a unique perspective from across sectors, from her years as a tech executive in Silicon Valley to her most recent experience as the Chief Innovation Officer at USAID. She vividly illustrates the book with real stories from interviews with over 200 organizations across the US and around the world. Whether you are a nonprofit, social enterprise, triple bottom line company, foundation, government agency, philanthropist, impact investor, or simply donate your time and money, Lean Impact is an essential guide to maximizing social impact and scale.

User story mapping is a valuable tool for software development, once you understand why and how to use it. This insightful book examines how this often misunderstood technique can help your team stay focused on users and their needs without getting lost in the enthusiasm for individual product features. Author Jeff Patton shows you how changeable story maps enable your team to hold better conversations about the project throughout the development process. Your team will learn to come away with a shared understanding of what you're attempting to build and why. Get a high-level view of story mapping, with an exercise to learn key concepts quickly Understand how stories really work, and how they come to life in Agile and Lean projects Dive into a story's lifecycle, starting with opportunities and moving deeper into discovery Prepare your stories, pay attention while they're built, and learn from those you convert to working software

Scrum and Kanban are two flavours of Agile software development - two deceptively simple but surprisingly powerful approaches to software development. So how do they relate to each other? The purpose of this book is to clear up the fog, so you can figure out how Kanban and Scrum might be useful in your environment. Part I illustrates the similarities and differences between Kanban and Scrum, comparing for understanding, not for judgement. There is no such thing as a good or bad tool - just good or bad decisions about when and how to use which tool. This book includes: - Kanban and Scrum in a nutshell - Comparison of Kanban and Scrum and other Agile methods - Practical examples and pitfalls - Cartoons and diagrams illustrating day-to-day work - Detailed case study of a Kanban implementation within a Scrum organization Part II is a case study illustrating how a Scrum-based development organization implemented Kanban in their operations and support teams.

You know the Agile and Lean development buzzwords, you've read the books. But when systems need a serious overhaul, you need to see how it works in real life, with real situations and people. Lean from the Trenches is all about actual practice. Every key point is illustrated with a photo or diagram, and anecdotes bring you inside the project as you discover why and how one organization modernized its workplace in record time.

The Missing Link in the Evolution of Kanban -- From Its Roots in Agile David J. Anderson developed the Kanban Method over years spent managing and coaching Agile development teams, at companies such as Sprint and Microsoft, by integrating Lean thinking with Agile principles and practices. This compendium of anecdotes and epiphanies shares this journey on the road to Kanban, now a popular method for improving predictability while managing change and risk in organizations worldwide. Topics include: -Why people resist change -The role of the manager in Agile development -Flow and variability -Timeboxes and delivery cadence -Estimation and metrics

"John Dewey famously pointed out, 'We don't learn from experience. We learn from reflecting on experience.' Here's your chance to learn as the three authors reflect on the (successful) struggle to build a Lean production and management system at Zingerman's Mail Order.

Thousands of people visit and benchmark ZMO. This book delivers the backstory in a richly illustrated way." -- Mike Rother, author of the bestselling books Toyota Kata and The Toyota Kata Practice Guide This clever and highly engaging graphic novel details a story about one

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organization's Lean journey with inspiration from the Toyota Way. Over the years, common misunderstandings about what Lean is, what the journey is like, and how to advance have proliferated. Often, these misunderstandings come from the way people simplistically talk and think about Lean as if it is some concrete thing that you insert into an organization and step back to watch the results. The authors, however, view the organization as a living system with interacting parts and constant exposure to the environment. It is dynamic, so it's hard to predict what obstacles you will face next. Just when you think you have it solved, new challenges arise from the market, competitors, government regulations, and every direction you turn to. When you look at your organization in this way, you see Lean through a different lens. The goal is to make your processes and people into a more adaptive system so you can navigate through all the complexity and uncertainty to continually achieve your goals. This is how Toyota views things and they summarize the Toyota Way as continuous improvement and respect for people. Each person becomes a partner in struggling to learn and adapt, and specific tools are used in very different ways throughout the company to accomplish their goals. The story presented here focuses on a small company called Zingerman's Mail Order (ZMO). Tom Root was one of the founders of this spin-off of the Zingerman's delicatessen. The deli was founded to bring high-quality artisanal food to Ann Arbor, Michigan. The purpose of this book is not to provide a "recipe for implementation" – the authors want you to get a feeling for the struggle, for the learning process. They explain and demonstrate many Lean tools within the context of the journey and how they were adapted for this particular business. Toyota kata became the centerpiece of developing scientific thinking skills to begin to bring continuous improvement to life.

Scale collaboration, not process. If you're trying to use agile and lean at the program level, you've heard of several approaches, all about scaling processes. If you duplicate what one team does for several teams, you get bloat, not delivery. Instead of scaling the process, scale everyone's collaboration. With autonomy, collaboration, and exploration, teams and program level people can decide how to apply agile and lean to their work. Learn to collaborate around deliverables, not meetings. Learn which measurements to use and how to use those measures to help people deliver more of what you want (value) and less of what you don't want (work in progress). Create an environment of servant leadership and small-world networks. Learn to enable autonomy, collaboration, and exploration across the organization and deliver your product. Scale collaboration with agile and lean program management and deliver your product.

Entrepreneur and bestselling author of *The Lean Startup*, Eric Ries reveals how entrepreneurial principles can be used by businesses of all kinds, ranging from established companies to early-stage startups, to grow revenues, drive innovation, and transform themselves into truly modern organizations, poised to take advantage of the enormous opportunities of the twenty-first century. In *The Lean Startup*, Eric Ries laid out the practices of successful startups – building a minimal viable product, customer-focused and scientific testing based on a build-measure-learn method of continuous innovation, and deciding whether to persevere or pivot. In *The Startup Way*, he turns his attention to an entirely new group of organizations: established enterprises like iconic multinationals GE and Toyota, tech titans like Amazon and Facebook, and the next generation of Silicon Valley upstarts like Airbnb and Twilio. Drawing on his experiences over the past five years working with these organizations, as well as nonprofits, NGOs, and governments, Ries lays out a system of entrepreneurial management that leads organizations of all sizes and from every industry to sustainable growth and long-term impact. Filled with in-the-field stories, insights, and tools, *The Startup Way* is an essential road map for any organization navigating the uncertain waters of the century ahead.

Introduces a realistic approach to leading, managing, and growing your Agile team or organization. Written for current managers and developers moving into management, Appelo shares insights that are grounded in modern complex systems theory, reflecting the intense

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complexity of modern software development. Recognizes that today's organizations are living, networked systems; that you can't simply let them run themselves; and that management is primarily about people and relationships. Deepens your understanding of how organizations and Agile teams work, and gives you tools to solve your own problems. Identifies the most valuable elements of Agile management, and helps you improve each of them.

“We need better approaches to understanding and managing software requirements, and Dean provides them in this book. He draws ideas from three very useful intellectual pools: classical management practices, Agile methods, and lean product development. By combining the strengths of these three approaches, he has produced something that works better than any one in isolation.” –From the Foreword by Don Reinertsen, President of Reinertsen & Associates; author of *Managing the Design Factory*; and leading expert on rapid product development

Effective requirements discovery and analysis is a critical best practice for serious application development. Until now, however, requirements and Agile methods have rarely coexisted peacefully. For many enterprises considering Agile approaches, the absence of effective and scalable Agile requirements processes has been a showstopper for Agile adoption. In *Agile Software Requirements*, Dean Leffingwell shows exactly how to create effective requirements in Agile environments. Part I presents the “big picture” of Agile requirements in the enterprise, and describes an overall process model for Agile requirements at the project team, program, and portfolio levels Part II describes a simple and lightweight, yet comprehensive model that Agile project teams can use to manage requirements Part III shows how to develop Agile requirements for complex systems that require the cooperation of multiple teams Part IV guides enterprises in developing Agile requirements for ever-larger “systems of systems,” application suites, and product portfolios This book will help you leverage the benefits of Agile without sacrificing the value of effective requirements discovery and analysis. You'll find proven solutions you can apply right now—whether you're a software developer or tester, executive, project/program manager, architect, or team leader.

For those who believe that there must be a more agile and efficient way for people to get things done, here is a brilliantly discursive, thought-provoking book about the leadership and management process that is changing the way we live. In the future, historians may look back on human progress and draw a sharp line designating “before Scrum” and “after Scrum.” Scrum is that ground-breaking. It already drives most of the world's top technology companies. And now it's starting to spread to every domain where leaders wrestle with complex projects. If you've ever been startled by how fast the world is changing, Scrum is one of the reasons why. Productivity gains of as much as 1200% have been recorded, and there's no more lucid – or compelling – explainer of Scrum and its bright promise than Jeff Sutherland, the man who put together the first Scrum team more than twenty years ago. The thorny problem Jeff began tackling back then boils down to this: people are spectacularly bad at doing things with agility and efficiency. Best laid plans go up in smoke. Teams often work at cross purposes to each other. And when the pressure rises, unhappiness soars. Drawing on his experience as a West Point-educated fighter pilot, biometrics expert, early innovator of ATM technology, and V.P. of engineering or CTO at eleven different technology companies, Jeff began challenging those dysfunctional realities, looking for solutions that would have global impact. In this book you'll journey to Scrum's front lines where Jeff's system of deep accountability, team interaction, and constant iterative improvement is, among other feats, bringing the FBI into the 21st century, perfecting the design of an affordable 140 mile per hour/100 mile per gallon car, helping NPR report fast-moving action in the Middle East, changing the way pharmacists interact with patients, reducing poverty in the Third World, and even helping people plan their weddings and accomplish weekend chores. Woven with insights from martial arts, judicial decision making, advanced aerial combat, robotics, and many other disciplines, Scrum is consistently riveting. But the most important reason to read this book is that it may just help you achieve

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what others consider unachievable – whether it be inventing a trailblazing technology, devising a new system of education, pioneering a way to feed the hungry, or, closer to home, a building a foundation for your family to thrive and prosper.

"Change resistance is a natural reaction, when you don't involve the people affected by the change in the design of the change. This book will help you implement successful change and bypass change resistance by co-creating change. The book will do that through examples of how innovative practices can dramatically improve the success of change programs. These practices combine ideas from the Agile, Lean Startup, change management, organizational development and psychology communities. This book will change how you think about change."--

The Breakthrough Program for Increasing Quality, Shortening Cycle Times, and Creating Shareholder Value In Every Area of Your Organization Time and quality are the two most important metrics in improving any company's production and profit performance. Lean Six Sigma explains how to impact your company's performance in each, by combining the strength of today's two most important initiatives Lean Production and Six Sigma into one integrated program. The first book to provide a step-by-step roadmap for profiting from the best elements of Lean and Six Sigma, this breakthrough volume will show you how to: Achieve major cost and lead time reductions this year Compress order-to-delivery cycle times Battle process variation and waste throughout your organization Separately, Lean Production and Six Sigma have changed the face of the manufacturing business. Together, they become an unprecedented tool for improving product and process quality, production efficiency, and across-the-board profitability. Lean Six Sigma introduces you to today's most dynamic program for streamlining the performance of both your production department and your back office, and providing you with the cost reduction and quality improvements you need to stay one step ahead of your competitors. "Lean Six Sigma shows how Lean and Six Sigma methods complement and reinforce each other. It also provides a detailed roadmap of implementation so you can start seeing significant returns in less than a year."--From the Preface Businesses fundamentally exist to provide returns to their stakeholders. Lean Six Sigma outlines a program for combining the synergies of these two initiatives to provide your organization with greater speed, less process variation, and more bottom-line impact than ever before. A hands-on guidebook for integrating the production efficiencies of the Lean Enterprise with the cost and quality tools of Six Sigma, this breakthrough book features detailed insights on: The Lean Six Sigma Value Proposition How combining Lean and Six Sigma provides unmatched potential for improving shareholder value The Lean Six Sigma Implementation Process How to prepare your organization for a seamless incorporation of Lean Six Sigma tools and techniques Leveraging Lean Six Sigma Strategies for extending Lean Six Sigma's reach within and beyond your corporate walls "Variation is evil."--Jack Welch Six Sigma was the zero-variation quality lynchpin around which Jack Welch transformed GE into one of the world's most efficient and valuable corporations. Lean Production helped Toyota cut waste, slash costs, and substantially improve resource utilization and cycle times. Yet, as both would admit, there was still room for improvement. Lean Six Sigma takes you to the next level of improvement, one that for the first time unites product and process excellence with the goal of enhancing shareholder value creation. Providing insights into the application of Lean Six Sigma to both the manufacturing processes and the less-data-rich service and transactional processes, it promises to revolutionize the performance efficiencies in virtually every area of your organization as it positively and dramatically impacts your shareholder value.

Lean principles have been used for years in the manufacturing world, and have started to make an impact in the office as well. These tools can provide the foundation to building a systematic approach to improving your HR practice and lowering costs. In this book, practitioners will be guided through an overview of the basics of Lean, how to use the most common tools, and how to then leverage them to bring an element

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of process excellence to their HR department. With a few simple templates, some common sense, and a willingness to question the current state, great strides can be made in reducing costs and improving effectiveness in HR departments of any size! Includes a simple overview of Lean philosophy and its evolution, an assortment of easy to use tools to help you find and analyze improvement projects, and a structured approach to reducing waste in your practice. "Dwane Lay practices what he preaches. Lean HR is a lean book. It's chock full of the wisdom of the trenches while guiding the reader to the most important tools and concepts. This is a field manual for optimizing the processes and outputs of your HR shop. Think of it as a guide for HR people who want to continue to work in the field." - John Sumser, Founder HR Examiner and HRx Analysts @johnsumser "What if you could get rid of the processes and procedures that waste your time and make your job harder? What if you could think about the way you work in a new way, a way that makes you better and more effective at what you do? What if all this even saved time, resources, and money? And what if there were even elephant jokes? Dwane Lay's experience, sensibility and great sense of humor show you how to start and how to get there." - Heather Bussing, employment attorney @heatherbussing "One thing HR isn't great at is taking the BS out of any process. HR people are famous for adding structure and process to just about anything, with the rationalization that it makes the target "more fair" or "easier to use". That's where Dwane Lay comes in. A classically trained Six Sigma ninja, Dwane turns "lean" concepts into easy to understand tools to help HR pros get to what's real - and what people will actually use. Highly recommended!" - Kris Dunn, Chief Human Resources Officer, Kinetix. Founder of blogs - The HR Capitalist and Fistful of Talent. @kris_dunn "Dwane is the Lean HR guy. Period. If you've heard him speak at a conference you know this. If you haven't, trust me. Dwane knows process improvement and HR. When I'm a CEO again, Dwane will be my COO." - China Gorman, CEO CMG Group @chinagorman "Hunter S. Thompson, Bob Guccione, Andy Warhol and Dwane Lay were having lunch one day at a local diner... Dwane was regaling the group with his most recent transatlantic exploits when the subject of this book came up. He told them what I'll tell you. Two words... life changing. That's all folks... buy it, read it, live it, share it. Do yourself and humanity a favor. By the way, Bob picked up the check that morning. He's that guy." - William Tincup, SPHR, CEO, Tincup & Co. @williamtincup

Liftoff-it's the unexplored, often ignored, Agile project practice. As the first act of flight, a rocket launch requires an entire set of systems to lift the vehicle into orbit-not just the vehicle itself, but all the systems needed for smoothly moving off the ground into space. Likewise, your project needs its entire set of supporting systems in place to begin a successful journey to delivery. Whatever you call it (project kickoff, bootcamp, inception, or jump start), liftoff gives your team its trajectory, and launches your project. This critical practice informs, inspires, and aligns everyone to a singular purpose: the successful delivery of software. This success is in your hands! Agile veterans Diana Larsen and Ainsley Nies teach you how to organize and conduct liftoffs, hold team activities to discover what's most important, and offer a working framework for effective and lightweight agile chartering.

Printed in full color. Faced with a software project of epic proportions? Tired of over-committing and under-delivering? Enter the dojo of the agile samurai, where agile expert Jonathan Rasmusson shows you how to kick-start, execute, and deliver your agile projects. Combining cutting-edge tools with classic agile practices, The Agile Samurai gives you everything you need to deliver something of value every week and make rolling your software into production a non-event. Get ready to kick some software project butt. By learning the ways of the agile samurai you will discover: how to create plans and schedules your customer and your team can believe in what characteristics make a good agile team and how to form your own how to gather requirements in a fraction of the time using agile user stories what to do when you discover your schedule is wrong, and how to look like a pro correcting it how to execute fiercely by leveraging the power of agile software

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engineering practices By the end of this book you will know everything you need to set up, execute, and successfully deliver agile projects, and have fun along the way. If you're a project lead, this book gives you the tools to set up and lead your agile project from start to finish. If you are an analyst, programmer, tester, usability designer, or project manager, this book gives you the insight and foundation necessary to become a valuable agile team member. The Agile Samurai slices away the fluff and theory that make other books less-than-agile. It's packed with best practices, war stories, plenty of humor and hands-on tutorial exercises that will get you doing the right things, the right way. This book will make a difference.

Building a successful product usually involves teams of people, and many choose the Scrum approach to aid in creating products that deliver the highest possible value. Implementing Scrum gives teams a collection of powerful ideas they can assemble to fit their needs and meet their goals. The ninety-four patterns contained within are elaborated nuggets of insight into Scrum's building blocks, how they work, and how to use them. They offer novices a roadmap for starting from scratch, yet they help intermediate practitioners fine-tune or fortify their Scrum implementations. Experienced practitioners can use the patterns and supporting explanations to get a better understanding of how the parts of Scrum complement each other to solve common problems in product development. The patterns are written in the well-known Alexandrian form, whose roots in architecture and design have enjoyed broad application in the software world. The form organizes each pattern so you can navigate directly to organizational design tradeoffs or jump to the solution or rationale that makes the solution work. The patterns flow together naturally through the context sections at their beginning and end. Learn everything you need to know to master and implement Scrum one step at a time—the agile way.

Companies struggle dramatically in building new businesses from innovation. 85-90 percent of corporate startups die after the "Minimum Viable Product" stage. Why is this so? What is the solution? How can companies improve? This book provides the answers. It is written by Frank Mattes, who has decades of experience in corporate innovation. It has been co-written with more than 20 practitioners and 2 business schools as a practical guide for practitioners - corporate innovation, Digital Innovation, heads of incubators and accelerators, leaders of corporate startups and senior managers. Clients and early readers say the content is "timely, relevant, powerful and ready for use", "a must-read," and the solution "dramatically increases return on investment in digital innovation." The corporate business-building problem.

Companies are doing okay in incremental improvements. But they fail in innovation. They are good at copying past success stories but bad at creating new ones. If companies do not solve this problem, they will burn money. They also fail to achieve revenue growth from innovation, fail in corporate transformation, fail to future-proof their business and fail in winning and retaining top talent The solution and the book. The book provides a solution. It is the first one on this subject and guides corporate practitioners on how to build new businesses. The book covers the entire journey - from a "meaningful idea" to a sizable business - and it includes leadership and cultural/collaboration aspects needed for success. The book is the result of a multi-year co-creation process with more than 20 industry-leading companies and 2 business schools. It distills Best Practices and insights into one framework. This framework is the Lean Scaleup(TM). It describes the three capabilities that companies must develop to solve their business-building problem: methodology (the "how-to"), dual leadership and culture/collaboration. When the right innovation teams use the Lean Scaleup with the right mindset in a supportive environment, the company can solve its business-building problem. Advance praise (selection) Frank Mattes brings his extensive experience in corporate innovation to this pragmatic guide to dramatically increasing return on investment in digital innovation. Jeroen Tas, Chief Innovation & Strategy Officer, Royal Philips The Lean Scaleup is an approach built through practice in the field. It supports companies facing transformational challenges. David Gilmour, co-

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founder bp Launchpad Taking innovation concepts to scale is the real challenge. This book provides a practical framework and methodology for going beyond the MVP into scale. Ofer HaCohen, Head Innovation Center Israel, AT&T Frank has addressed business-building in many organizations successfully. Finally, his approach is "codified" in this book. I can't recommend it enough to every innovation team keen to deliver results. Hans Balmaekers, CEO, innov8rs The Lean Scaleup gives companies a powerful tool to identify, develop and scale breakthrough innovations. A must-read for all managers from corporate innovation or strategic innovation. Prof. Dr. Georg Oenbrink, CEO, CREAGO Solutions (formerly Evonik industries) The book provides an excellent framework to address the Scaling-Up challenge. It is based on the real-life learning journey of +20 corporates. A must-read for corporate entrepreneurs and their leaders! Carina Snijder VP, Research Program Management, Royal Philips

Your team is stressed; priorities are unclear. You're not sure what your teammates are working on, and management isn't helping. If your team is struggling with any of these symptoms, these four case studies will guide you to project success. See how Kanban was used to significantly improve time to market and to create a shared focus across marketing, IT, and operations. Each case study comes with illustrations of the Kanban board and diagrams and graphs to help you see behind the scenes. Learn a Lean approach by seeing how Kanban made a difference in four real-world situations. You'll explore how four different teams used Kanban to make paradigm-changing improvements in software development. These teams were struggling with overwork, unclear priorities, and lack of direction. As you discover what worked for them, you'll understand how to make significant changes in real situations. The four case studies in this book explain how to: Improve the full value chain by using Enterprise Kanban Boost engagement, teamwork, and flow in change management and operations Save a derailing project with Kanban Help an office team outside IT keep up with growth using Kanban What seems easy in theory can become tangled in practice. Discover why "improving IT" can make you miss your biggest improvement opportunities, and why you should focus on fixing quality and front-end operations before IT. Discover how to keep long-term focus and improve across department borders while dealing with everyday challenges. Find out what happened when using Kanban to find better ways to do work in a well-established company, including running multi-team development without a project office. You'll inspire your team and engage management to make it easier to develop better products. What You Need: This is a case study book, so there are no software requirements. The book covers the relevant bits of theory before presenting the case studies.

This book aims to give you a head start by providing a detailed down-to-earth account of how one Swedish company implemented Scrum and XP with a team of approximately 40 people and how they continuously improved their process over a year's time. Under the leadership of Henrik Kniberg they experimented with different team sizes, different sprint lengths, different ways of defining "done," different formats for product backlogs and sprint backlogs, different testing strategies, different ways of doing demos, different ways of synchronizing multiple Scrum teams, etc. They also experimented with XP practices - different ways of doing continuous build, pair programming, test driven development, etc, and how to combine this with Scrum. This second edition is an annotated version, a "director's cut" where Henrik reflects upon the content and shares new insights gained since the first version of the book.

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Product management has become a critical connective role for modern organizations, from small technology startups to global corporate enterprises. And yet the day-to-day work of product management remains largely misunderstood. In theory, product management is about building products that people love. The real-world practice of product management is often about difficult conversations, practical compromises, and hard-won incremental gains. In this book, author Matt LeMay focuses on the CORE connective skills—communication, organization, research, execution—that can build a successful product management practice across industries, organizations, teams, and toolsets. For current and would-be product managers, this book explores: Real-world tactics for facilitating collaboration and communication How to talk to users and work with executives The importance of setting clear and actionable goals Using roadmaps to connect and align your team A values-first approach to implementing Agile practices Stories that convey realities of product management in the field Common behavioral traps that turn good product managers bad Lean from the Trenches Managing Large-Scale Projects with Kanban Pragmatic Bookshelf

Adoption is more than programming. Elixir is an exciting new language, but to successfully get your application from start to finish, you're going to need to know more than just the language. The case studies and strategies in this book will get you there. Learn the best practices for the whole life of your application, from design and team-building, to managing stakeholders, to deployment and monitoring. Go beyond the syntax and the tools to learn the techniques you need to develop your Elixir application from concept to production. Learn real-life strategies from the people who built Elixir and use it successfully at scale. See how Ben Marx and Bleacher Report maintain one of the highest-traffic Elixir applications by selling the concept to management and delivering on that promise. Find out how Bruce Tate and [icanmakeitbetter](#) hire and train Elixir engineers, and the techniques they've employed to design and ensure code consistency since Elixir's early days. Explore customer challenges in deploying and monitoring distributed applications with Elixir creator Jose Valim and Plataformatec. Make a business case and build a team before you finish your first prototype. Once you're in development, form strategies for organizing your code and learning the constraints of the runtime and ecosystem. Convince stakeholders, both business and technical, about the value they can expect. Prepare to make the critical early decisions that will shape your application for years to come. Manage your deployment with all of the knobs and gauges that good DevOps teams demand. Decide between the many options available for deployment, and how to best prepare yourself for the challenges of running a production application. This book picks up where most Elixir books leave off. It won't teach you to program Elixir, or any of its tools. Instead, it guides you through the broader landscape and shows you a holistic approach to adopting the language. What You Need: This book works with any version of Elixir.

Common Sense Supply Management is a no-holds-barred practical guide to supply management and process improvement. If you dislike consultants, buzzwords and theory, then this non-traditional book is meant for you. Straight forward and to the point, the book will be difficult to put down until you have finished the supply management adventure. Dr. Tom DePaoli, a veteran supply management pro, learned his lessons the hard way and wants to share his valuable insights with all business professionals. Visit www.commonssensesupplymanagement.com

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You can launch a new app or website in days by piecing together frameworks and hosting on AWS. Implementation is no longer the problem. But that speed to market just makes it tougher to confirm that your team is actually building the right product. Ideal for agile teams and lean organizations, this guide includes 11 practical tools to help you collaborate on strategy, user research, and UX. Hundreds of real-world tips help you facilitate productive meetings and create good collaboration habits. Designers, developers, and product owners will learn how to build better products much faster than before. Topics include: Foundations for collaboration and facilitation: Learn how to work better together with your team, stakeholders, and clients Project strategy: Help teams align with shared goals and vision User research and personas: Identify and understand your users and share that vision with the broader organization Journey maps: Build better touchpoints that improve conversion and retention Interfaces and prototypes: Rightsize sketches and wireframes so you can test and iterate quickly

?Lean Startup, Lean Six Sigma, Lean Analytics, Lean Enterprise, Kanban, Kaizen, Scrum, Agile Project Management? OPTIMIZE YOUR SOFTWARE DEVELOPMENT PROCESS AND PRODUCT MANAGEMENT! DEVELOP COMPLEX PROJECT SOLUTIONS WITH SCRUM AGILE FRAMEWORK! Scrum is a process framework in which team members can deal with a wide variety of complex and ever-changing problems in a creative fashion while at the same time remaining productive and delivering products that meet or exceed expectations. While Scrum is relatively lightweight and easy to understand at a basic level, it can also be extremely complex and take years to master. The Scrum framework is made up of various Scrum Teams as well as their associated rules, artifacts, events and roles. Each of these components then serves a very specific purpose, with the whole coming together to be essential to the Scrum framework's continued usage and overall success. Inside you will find a breakdown of each key facet of the Scrum process, why it's important and how to replicate it on your own team. You will also find plenty of tips on making the transition, regardless of what type of external or internal opposition you might face. You will even find success stories from teams that made the switch to give your own team the motivation to see the transition through to the end. Inside you will learn: The basics of Scrum explained What is Sprint? Looking back on a Sprint and planning for the future Artifacts of Scrum Scrum master as servant leader Making the Scrum transition Tips for success Stories from the trenches

Agile teams have been struggling with the concept of continuous improvement since the first Agile frameworks were developed, and still very little has been written about the practice of continuous improvement in Agile environments. Although team retrospectives have been prescribed and some practices have been introduced in order to implement and facilitate them, the truth is that most Agile teams are conducting dull retrospectives that end with a list of things that have been done wrong, just to repeat the same list two weeks later at the next meeting. Instead of listing hundreds of Japanese-labeled tools, this book gives you practical insights into how to spot improvement opportunities, how to plan for improvement and how to engage everyone in your company in the Kaizen process. In addition, it will also provide you with 27 proven practices and 12 bonus activities to introduce into your retrospectives in order to keep them fresh, creative and exciting, so you can promise a team that, in a year's time, no two retrospectives will be alike. This book helps you as a manager, team leader, change agent or consultant in any type of

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organization to unleash the real power of Kaizen cultures – no matter what kind of organization, market, product, technology, vision, goal or size. It provides you with the background, tools and practical hints on how to engage your organization in a process of continuous quest for new and better ways of performing.

What company doesn't want energized workers, delighted customers, genuine efficiency, and breakthrough innovation? The Lean Mindset shows how lean companies really work—and how a lean mindset is the key to creating stunning products and delivering amazing services. Through cutting-edge research and case studies from leading organizations, including Spotify, Ericsson, Intuit, GE Healthcare, Pixar, CareerBuilder, and Intel, you'll discover proven patterns for developing that mindset. You'll see how to cultivate product teams that act like successful startups, create the kind of efficiency that attracts customers, and leverage the talents of bright, creative people. The Poppendiecks weave lean principles throughout this book, just as those principles must be woven throughout the fabric of your truly lean organization. Learn How To Start with an inspiring purpose, and overcome the curse of short-term thinking Energize teams by providing well-framed challenges, larger purposes, and a direct line of sight between their work and the achievement of those purposes Delight customers by gaining unprecedented insight into their real needs, and building products and services that fully anticipate those needs Achieve authentic, sustainable efficiency without layoffs, rock-bottom cost focus, or totalitarian work systems Develop breakthrough innovations by moving beyond predictability to experimentation, beyond globalization to decentralization, beyond productivity to impact Lean approaches to software development have moved from novelty to widespread use, in large part due to the principles taught by Mary and Tom Poppendieck in their pioneering books. Now, in The Lean Mindset, the Poppendiecks take the next step, looking at a company where multidiscipline teams are expected to ask the right questions, solve the right problems, and deliver solutions that customers love.

Corey Ladas' groundbreaking paper "ScrumBan" has captured the imagination of the software development world. Scrum and agile methodologies have helped software development teams organize and become more efficient. Lean methods like kanban can extend these benefits. Kanban also provides a powerful mechanism to identify process improvement opportunities. This book covers some of the metrics and day-to-day management techniques that make continuous improvement an achievable outcome in the real world. ScrumBan the book provides a series of essays that give practitioners the background needed to create more robust practices combining the best of agile and lean.

Outlines a revisionist approach to management while arguing against common perceptions about the inevitability of startup failures, explaining the importance of providing genuinely needed products and services as well as organizing a business that can adapt to continuous customer feedback.

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From start to finish, readers will see what it takes to develop a successful agile project. Find out how the Swedish police combined XP, Scrum, and Kanban to modernize their department--and learn how to apply those same principles to the workplace.

This groundbreaking book uncovers the true essence of "Lean" and explains how and why this "best kept secret of management" can transform service industries, small and medium-size businesses, governments and non-profit organizations. Using everyday language and business concepts, Lean is described as a blend of method and culture that produces outstanding organizational performance, while at the same time leading to a fulfilling and sometimes even joyful workplace! Written especially for non-manufacturing readers, the book describes Lean as a general system of management, rather than as an extension of the Toyota Production System. The book explains the essential elements of Lean and addresses confusion about differences between Lean management, Lean Six Sigma, and Lean Startup. The book is separated into four parts with multiple chapters in each part. Part One provides an overview of the Lean system and what's involved in applying it to an organization. Parts Two and Three present a detailed description of the method and the culture components of the system. Part Four provides guidance on how to continue your Lean journey, with a valuable workbook chapter that contains well-tested tools and complete instructions for conducting a Lean process improvement event.

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