

The Lean 3p Advantage A Practitioner S Guide To The Production Preparation Process

The Lean 3P AdvantageThe Lean Design GuidebookReliability Theory and Technology in Manufacturing ProcessManaging Manufacturing Knowledge in Europe in the Era of Industry 4.0Intelligent Systems in Production Engineering and MaintenanceUnleashing the Power of 3PThe End of Project OverrunsAdvances in Manufacturing EngineeringAdvances in Laser and Surface Material ProcessingChemistry for Engineers and Manufacturers: Chemistry of manufacturing processesThe Production EngineerData Processing and Microfilming SystemsBuildings and Environment - Energy Performance, Smart Materials and BuildingsInternational Bulletin of Information on RefrigerationA Handbook of Chemical Technology ... Translated and Edited from the Eighth German Edition, with ... Additions by W. Crookes. With ... IllustrationsManufacturing EngineeringFactories and Workshops. Annual Report of the Chief Inspector of Factories and WorkshopsFactories and WorkshopsManufacturing Chemist Incorporating Manufacturing PerfumerManual of Diagnostic Tests and Vaccines for Terrestrial Animals Allan R. Coletta Ronald Mascitelli Yihai He Justyna Patalas-Maliszewska Anna Burduk Dan McDonnell Robert M. Patty Tomasz Giesko Tomasz Tański Bertram Blount Miloš Kalousek International Institute of Refrigeration Johannes Rudolf von WAGNER Herbert W. Wage Great Britain. HM Factory Inspectorate Great Britain. HM Factory Inspectorate

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manufacturing companies need to adapt to the requirements of functioning in the era of industry 4 0 and major technological disruptions the use of knowledge based decision support tools has also become necessary in order for enterprises to survive in a competitive environment this book offers a new approach to designing the knowledge management process and integrating it with the implementation of industry 4 0 technology the book presents the methods used in a customer oriented organisation for management of manufacturing knowledge more specifically methods for defining and collecting customer requirements are presented and methods on how to receive manufacturing knowledge as well as how to formalise the acquired knowledge using key technologies of industry 4 0 are discussed the author also presents real case studies from western and central europe and offers recommendations for the production manager the instrumentation of methods and tools to support knowledge management in the production of individualised products presented therein will allow the manufacturing company to be transformed digitally into a customer oriented organisation operating in accordance with the assumptions of industry 4 0 this book will be a valuable read for production researchers academicians phd students and postgraduate level students of industrial engineering and industrial management the practical case studies will also make the book a useful resource for managers of manufacturing enterprises

the book presents a collection of 103 peer reviewed articles from the second international conference on intelligent systems in production engineering and maintenance ispem 2018 the conference was organized by the faculty of mechanical engineering and camt centre for advanced manufacturing technologies wrocław university of science and technology and was held in wrocław poland on 17 18 september 2018 the conferences topics included the possibility of using a wide range of intelligent methods in production engineering presenting and discussing new solutions for innovative plants research findings and case studies demonstrating advances in production and maintenance from the point of view of industry 4 0 particularly applications of intelligent systems methods and tools in production engineering maintenance logistics quality management information systems and product development the book is divided into two parts the first includes papers related to intelligent systems in production engineering while the second is dedicated to

special sessions focusing on 1 computer aided methods in production engineering 2 mining 4 0 and intelligent mining transportation 3 modelling and simulation of production processes 4 multi faceted modelling of networks and processes 5 product design and product manufacturing in industry 4 0 this book is an excellent source of information for scientists in the field of manufacturing engineering and for top managers in production enterprises

recent improvements at enterride s trail rider memphis operation bought pete grant the trail rider plant manager and his team a little more time but pete knew much more was needed to save the plant they needed a breakthrough a true game changer then someone told pete about a process called 3p that could lead to unprecedented improvement when

applying the principles in this book unleashes ingenuity that achieves solidifies and perpetuates a new performance culture of mutual benefit in this culture project teams will prepare their work in task packages and enable workflow necessary to leave inefficiency of time and resource literally no place to hide project examples will help teams implement the principles that shorten cycle times eliminate error improve quality and reduce costs to succeed in meeting project commitments emerging lean enterprise relationships between clients epc contractors and their entire supply chain will advance what constitutes the new market differentiating performance of individuals project teams and companies justifying high levels of trust and inter organizational efforts to improve client executives will learn to recognize root causes of risk and sources of excellence to mitigate them well developed strategic improvement is often constrained because the traditional way current means and methods fit squarely in everyone s comfort zone by learning to ask the right questions top client leadership will soon render overruns from the best traditional systems as not good enough and strive for a new level of excellence epc executives will better engage creative voices from their best resources and stakeholders to resolve all concerns and define a unified vision for how to deliver on clients expectations without overruns during capital project delivery lean methods will effectively assure that vision principles and best expectations are understood and implemented at the workplace department discipline and stakeholder leaders will align and no longer frustrate each other and their clients they will plan and execute with increased efficiency and effectiveness cost reduction will accelerate retaining only client valued quality enabling a nimble response to market opportunities and threats project and program managers will confidently accept intense market induced cost and

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