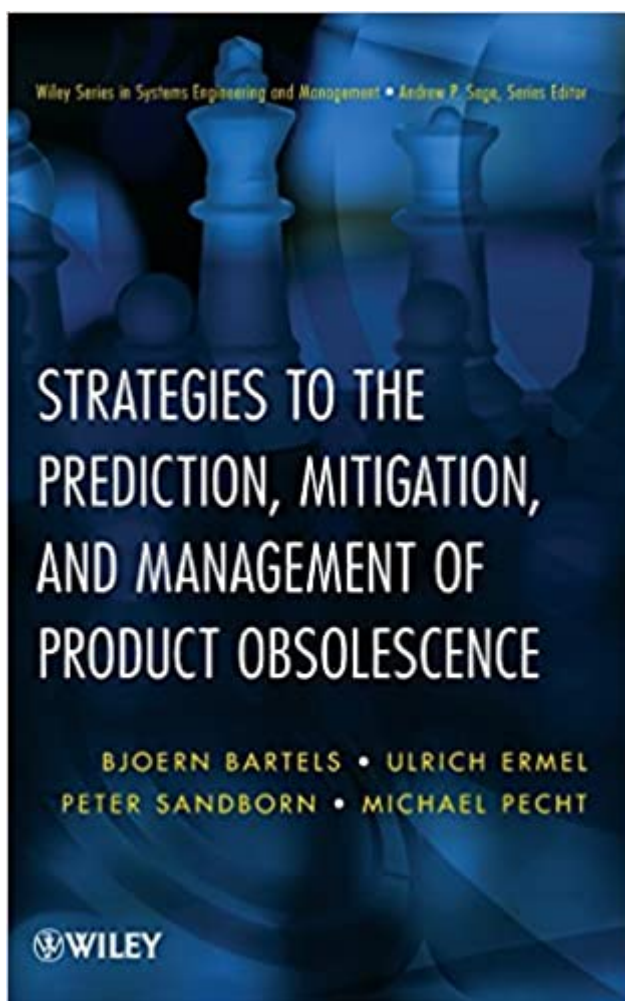The book was found

Strategies To The Prediction, Mitigation And Management Of Product Obsolescence

Synopsis

Supply chains for electronic products are primarily driven by consumer electronics. Every year new mobile phones, computers and gaming consoles are introduced, driving the continued applicability of Moore's law. The semiconductor manufacturing industry is highly dynamic and releases new, better and cheaper products day by day. But what happens to long-field life products like airplanes or ships, which need the same components for decades? How do electronic and also non-electronic systems that need to be manufactured and supported of decades manage to continue operation using parts that were available for a few years at most? This book attempts to answer these questions. This is the only book on the market that coversÂ obsolescence forecasting methodologies,Â includingÂ forecasting tactics for hardware and software that enable cost-effective proactive product life-cycle management. This book describes how to implement a comprehensive obsolescence management system within diverse companies. Strategies to the Prediction, Mitigation and Management of Product Obsolescence is a must-have work for all professionals in product/project management, sustainment engineering and purchasing.

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Customer Reviews

A complete set of tools for managing obsolescence in long-field life systems As new electronic component technologies are developed, the older component technologies and the components themselves often become obsolete. This obsolescence of components can pose a serious risk for systems that rely on such components, especially if the systems have long-life requirements. The

first complete, self-contained book to address this growing global industrial problem, Strategies to the Prediction, Mitigation, and Management of Product Obsolescence provides engineers and managers with the tools they need to implement a comprehensive obsolescence management system in diverse industries, from defense and aviation to communications and industrial controls. The book begins with the fundamental issues associated with the occurrence of obsolescence, then goes on to present a complete process for predicting and managing obsolescence using principles of project management. Both reactive and proactive strategies for managing obsolescence are discussed, as well as how to strategically plan the life-cycle management of systems. Coverage includes: Obsolescence forecasting methodologies, including those based on sales curve forecasting and procurement life analysis Case studies illustrating obsolescence forecasting for different component types Forecasting tactics for both hardware and software obsolescence All aspects of components' life-cycles, from design and introduction to obsolescence How to deal with discontinued or changed parts, including methods and controls commonly used by semiconductor manufacturers Obsolescence management standards, guidelines, and standards-setting organizations A must-have work for all professionals in product/project management, sustainment engineering, and purchasing, this book is an invaluable resource for anyone wishing to learn how to mitigate the adverse effects of obsolescence on systems and products.

Bjoern BartelsÂ is a senior consultant and obsolescence managementÂ competence lead with a masters degree in international business and a German diploma in industrial engineering and business management. Ulrich Ermel is Head of Department Materials and Obsolescence Management at TQ Systems GmbH and Chairman of the Component Obsolescence Group in Germany. Peter Sandborn, PhD, is Professor of Mechanical Engineering in the CALCE Electronic Products and Systems Center at the University of Maryland. Michael Pecht, PhD, is Chair Professor of Mechanical Engineering and Director of the Center for Advanced Life Cycle Engineering (CALCE) at the University of Maryland. He is also a visiting Professor in Electronics Engineering at City University in Hong Kong.

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