



Sustainable Operations and Closed-Loop Supply Chains

Gilvan C. Souza

Download now

[Click here](#) if your download doesn't start automatically

Sustainable Operations and Closed-Loop Supply Chains

Gilvan C. Souza

Sustainable Operations and Closed-Loop Supply Chains Gilvan C. Souza

The book can be viewed from the perspective of a medium to large firm's journey towards sustainability. A firm that wants to be sustainable considers the triple bottom line when making decisions, i.e., the firm takes into account economic (profit), environmental (planet), and social (people) impacts when making decisions. By focusing on the triple bottom line (3Ps), the firm ensures a steady supply of inputs such as raw materials and labor indefinitely. The first step towards sustainability is aimed at reducing waste in operations (mainly production), with the help of such tools as lean and six-sigma. The firm then performs a Life-Cycle Assessment (LCA) for each of its main products and processes. LCA is a methodology designed to assess the environmental impact (e.g., energy consumption) of a product or process, from raw material extraction to production (in its different stages), packaging, distribution, sales, consumer use, and end-of-life disposal. With a better understanding of the major impacts, the firm can then target actions designed to reduce the firm's environmental impact (which in most cases also improves the economic bottom line), that is, the firm aims to be eco-efficient. The final step in the journey towards sustainability, which is the ultimate goal, is to close the loop. To close the loop, the firm starts by designing products for multiple life cycles (as in design for remanufacturing), or products designed according to a "cradle-to-cradle" philosophy that ensures ease of disassembly and 100% recyclability (up-cycling as opposed to down-cycling). A traditional supply chain contains flows of materials, components and products from suppliers (of various tiers), to Original Equipment Manufacturers (OEMs), to distributors, to retailers, and to customers. A closed-loop supply chain contains flows of products, components and/or materials post-consumer use returned back to manufacturers and suppliers.

 [Download Sustainable Operations and Closed-Loop Supply Chai ...pdf](#)

 [Read Online Sustainable Operations and Closed-Loop Supply Ch ...pdf](#)

Download and Read Free Online Sustainable Operations and Closed-Loop Supply Chains Gilvan C. Souza

From reader reviews:

Armando Ceballos:

Here thing why this specific Sustainable Operations and Closed-Loop Supply Chains are different and reliable to be yours. First of all studying a book is good however it depends in the content than it which is the content is as delicious as food or not. Sustainable Operations and Closed-Loop Supply Chains giving you information deeper and in different ways, you can find any book out there but there is no guide that similar with Sustainable Operations and Closed-Loop Supply Chains. It gives you thrill looking at journey, its open up your current eyes about the thing this happened in the world which is perhaps can be happened around you. You can easily bring everywhere like in park, café, or even in your technique home by train. In case you are having difficulties in bringing the branded book maybe the form of Sustainable Operations and Closed-Loop Supply Chains in e-book can be your substitute.

Mamie Esters:

Information is provisions for individuals to get better life, information today can get by anyone on everywhere. The information can be a knowledge or any news even a concern. What people must be consider if those information which is inside the former life are difficult to be find than now could be taking seriously which one is suitable to believe or which one typically the resource are convinced. If you get the unstable resource then you get it as your main information you will have huge disadvantage for you. All of those possibilities will not happen with you if you take Sustainable Operations and Closed-Loop Supply Chains as your daily resource information.

Juan Crowe:

Typically the book Sustainable Operations and Closed-Loop Supply Chains will bring you to the new experience of reading any book. The author style to explain the idea is very unique. If you try to find new book to learn, this book very acceptable to you. The book Sustainable Operations and Closed-Loop Supply Chains is much recommended to you to see. You can also get the e-book from official web site, so you can easier to read the book.

Guadalupe Hauser:

Do you like reading a guide? Confuse to looking for your best book? Or your book seemed to be rare? Why so many issue for the book? But virtually any people feel that they enjoy regarding reading. Some people likes looking at, not only science book but novel and Sustainable Operations and Closed-Loop Supply Chains or others sources were given information for you. After you know how the good a book, you feel need to read more and more. Science guide was created for teacher or maybe students especially. Those ebooks are helping them to bring their knowledge. In other case, beside science publication, any other book likes Sustainable Operations and Closed-Loop Supply Chains to make your spare time a lot more colorful. Many types of book like this.

**Download and Read Online Sustainable Operations and Closed-
Loop Supply Chains Gilvan C. Souza #41A6YZVB0QH**

Read Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza for online ebook

Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza books to read online.

Online Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza ebook PDF download

Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza Doc

Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza Mobipocket

Sustainable Operations and Closed-Loop Supply Chains by Gilvan C. Souza EPub