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# Sustainable Manufacturing in Industry 4.0

Pathways and Practices


 Springer

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# Horizontal Collaboration Business Model Towards a Sustainable I4.0 Value Creation



Georgina Elizabeth Riosvelasco-Monroy, Iván Juan Carlos Pérez-Olguín,  
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## 1 Introduction

Sustainable Manufacturing 4.0 establishes disruptive events toward business model creation; through Industry 4.0 elements. Horizontal collaboration seen as one of I4.0 elements, integrates within a value creation network; seen as an alliance where a common goal is set, addressing opportunities for supply chain integration. Being laid out as the new alternative from vertical collaboration, horizontal collaboration is a strategic move in which enterprises can gain competitive advantage, knowledge transfer, information sharing, information technology, economies of scale, among other benefits. In order for horizontal collaboration can become a long-term value creation network, enterprises must effectively carry out certain factors defined by the alliance, to stimulate common goals such as a sustainable manufacturing 4.0.

In this chapter, we present a new understanding of horizontal collaboration as a value creation network through a business model integration to influence collaborative projects seeking for a position within a supply chain and enhancing sustainable manufacturing 4.0 development. This chapter is organized into five sections: Sect. 2 an introduction to supply chain horizontal collaboration; Sect. 3 a review of business model components as a framework of an enterprise's structure as an integration of

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