

Key Development Areas and Case Analysis of Industry 4.0: Siemens and Foxconn as Examples (pre-order)

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Abstracts

The development of Industry 4.0 has not progressed as quickly as anticipated, but it still stands as a means to enhance competitiveness. Accelerated ICT product replacement cycles, increasing customization demands, unforeseeable geopolitical maneuvers, and unexpected events continue to influence production methods, necessitating greater adaptability and transparency within supply chains. Furthermore, the need to calculate supply chain carbon emissions and the emergence of AI technologies like ChatGPT underscore the importance of companies achieving connectivity and visibility in line with Industry 4.0 principles to develop relevant applications. This presents an opportunity for companies to consider a sequential progression towards more advanced stages, leveraging existing data foundations to integrate operational processes and create intelligent applications.

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