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UNISON Framework for Sustainability and an Illustration of PCB Company

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Abstract:

Leading nations have reemphasized smart manufacturing and resilient supply chains, in which international companies are battling for dominant positions in restructuring platforms for global manufacturing networks after COVID-19. Sustainability and circular economy are core competency for maintaining competitive advantages of modern enterprises to address the challenges of global climate change and the Sustainable Development Goals (SDGs). While companies have devotes much more resources for ESG, there are gaps for sustainable efforts. Limitations of the existing approaches for sustainability and ESG can be traced in part to the lack of a framework within which various efforts can be integrated. This study aims to develop a UNISON framework for sustainability and employ a world leading PCB manufacturing company in Taiwan for illustration. The results have shown practical viability of the proposed framework to systematically orchestra related missions and effectively support the decision makers to achieve ESG.