

# Development of Edge Computing and Emerging Communication Technologies in Smart Manufacturing (pre-order)

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### **Abstracts**

The implementation and integration of edge computing and emerging communication technologies is the last mile towards achieving crucial intelligent applications in the manufacturing industry for leading manufacturers. This is due to the fact that intelligent manufacturing applications, such as predictive maintenance, heterogeneous device collaboration, and MR (Mixed Reality)/AR (Augmented Reality) inspection, can only be effectively realized utilizing low-latency and high-reliability features of edge computing and emerging communication technologies. This report provides insights into the development of edge computing and emerging communication technologies, explores future innovations in smart manufacturing applications, and addresses challenges and opportunities faced by stakeholders in the smart manufacturing industry.



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