

# Evolution of Japan Manufacturing Foundation: Dual Global Engineering Model Surpassing JIT



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*Today, the digital engineering is bringing about radical changes in the manufacturing way and is carried out at manufacturing sites. To advance the Japan manufacturing foundation, this study mentions the New Japan Production Management Model (NJ-PMM) that surpasses conventional JIT practices in order to re-construct world-leading management technologies. On a concrete target, the author focuses on the strategic development of Dual Global Engineering Model (DGEM) by possessing the New Japan Global Production Model (NJ-GPM) and New Japan Global Manufacturing Model (NJ-GMM) surpassing JIT. The effectiveness of DGEM was verified through the actual applications to automobile manufacturing in Toyota and suppliers.*

**Keywords:** Japan manufacturing foundation, Dual Global Engineering Model, New Japan Global Production Model, New Japan Global Manufacturing Model, surpassing JIT, Toyota and suppliers