

The integration of Lean Manufacturing tools in the Industry 4.0

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Abstract

The new industrial revolution which called industry 4.0 will radically change the factories into a smart manufacturing. In current research it is concluded that lean will be an important part of this revolution, adaptable lean tools to industry are required to manage the difficulties of the connected industry solutions and to keep the explosion of information flow which caused by internet of things (IOT) in the right way. Some lean tools are adaptable, but what about other tools?

This study identifies the challenge in the integration of Lean tools in industry 4.0 and discusses the possibilities of their adaptation.

Keywords

Industry 4.0, Lean Manufacturing, IOT,

Biography

Said El Manti is a PhD. student in the laboratory of Systems Engineering, at the National School of Applied Sciences, University Ibn Tofail, Morocco. He holds a Diploma as an Electrical Engineer at the University of Applied Science in Aachen, Germany and worked for many years as an Engineer at the GHM group company in Germany and since 2014 the general manager of GHM in Morocco. His current research is focused on the implementation of industry 4.0 and Lean Management.

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