

A practical roadmap to implement Green Lean approach in Small and Medium Enterprises

Cherrafi Anass

ENSAM – Meknès

Moulay Ismail University

Meknes, Morocco

a.cherrafi@ensam.umi.ac.ma

Siham Tissir, Said El Fezazi

Laboratoire Process, Signaux, System, Industriel et Informatique, Ecole Supérieure de

Technologie SAFI, Université Cadi Ayyad – Maroc,

sihamtissir1994@gmail.com, selfezazi@gmail.com

Abstract

Green Lean approach has recently emerged as key strategy to help organizations to improve their economic, environmental and social performance. However, many firms have found that the implementation of this strategy is very challenging. The aim of this paper is to presents a practical roadmap for implementing Green Lean initiative based on the Gemba-Kaizen approach. The developed model was developed on the basis of an extensive literature review and a very rich experience of the authors as researchers, consultants and industrialists. The developed roadmap was tested and validated by using two cases study in the automotive and aerospace sectors. The results indicated that this roadmap is a powerful tool to help firms' o reduce the consumption of resources and improve their environmental performance.

Keywords: Green Lean Approach, Model, Gemba-Kaizen, Sustainability.

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Green Lean Approach, Roadmap, Sustainability and Gemba-Kaizen approach.

Biography

Cherrafi Anass is an Assistant Professor at the Department of Industrial Engineering, ENSAM-Meknes, Moulay Ismail University UMI, Morocco. Holding a Ph.D. in Industrial Engineering, he has seven years of industry and teaching experience. He has published a number of articles in leading international journals and conference proceedings, and has been a Guest Editor for special issues of various international journals. His research interests include Industry 4.0, green manufacturing, Lean Six Sigma, integrated management systems and supply chain management.

Siham Tissir is a PhD student at University Cadi Ayyad, Marrakesh, Morocco. She is state engineer in industrial ingeneering, from National School of Applied Science at Safi, Morocco.

Dr. Said El Fezazi: is a Professor in the Department of Industrial Engineering and Maintenance at the University of Cadi Ayyad University (Morocco). He is the leader of the Research Team in Industrial Engineering at Higher School of Technology of Safi. His research interests include supply chain management, Lean Six Sigma, production and operation management.