

Analysis of Kaizen Projects in an Assembly Line and Warehouse of an Electric Motor Manufacturing Company

**Elva Patricia Puente-Aguilar, María de los Ángeles Martínez-Mercado
Patricia Gómez-Fuentes and Nury Margarita Leal-Rendón**

School of Chemical Science
Department of Industrial Engineering and Management
Universidad Autónoma de Nuevo León
San Nicolás de los Garza, Nuevo León, México

elva.puenteagl@uanl.edu.mx, mariadla.martinezmrc@uanl.edu.mx
patricia.gomezfnt@uanl.edu.mx, nury.lealrnd@uanl.edu.mx

Abstract

The objective of the present work is to analyze the case of Kaizen projects carried out in an assembly line and warehouse of a company dedicated to the manufacture of electric motors. The projects lasted 9 weeks and its main purpose was the generation of improvement proposals to achieve greater productivity in the organization. The Kaizen methodology was followed to analyze the current state, lean tools were used to improve the work areas, supermarkets of raw materials and components were established through a real, critical and systematic analysis of the production line. Significant benefits were generated for the organization, such as reduction in material delivery times in points of use from 90 minutes to 40 minutes, reduction of delivery distances traveled from 864 mts to 209 mts, reduction loss for shafts handling from 2055 USD per month to none, 100% efficiency accomplish with customer request, improvement of 5'S metrics from 2.25 to 4.15, important reduction of downtime and waste. From this experience it is concluded that the methodology employed had great impact in the organization.

Keywords

kaizen, project, analysis, delivery

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Biographies

Elva Patricia Puente-Aguilar is a full-time Professor and head of Lean Manufacturing Laboratory in Industrial Engineering Department at the School of Chemical Sciences in Universidad Autónoma de Nuevo León (UANL). She teaches courses such as Industrial Engineering, Work Study, Manufacturing Processes and Technology of Materials. She earned a B.S. in Industrial Engineering with minor in Management and M.S. degree in Business Administration from Universidad Autónoma de Nuevo León. She holds a Doctorate in Engineering Projects from Universidad Internacional Iberoamericana. She has got ten years experience in manufacturing industry with expertise in the areas of material and production planning, manufacturing engineering, quality engineering, production control, procurement and new products engineering. She has participated as co-author and speaker in several conferences in Mexico and USA. She has been recognized by the SEP with the Prodep Certification. Her research interests include design and optimization of operations, digital maturity, Industry 4.0 and engineering linkage in production systems.

María de los Ángeles Martínez-Mercado works a full-time Professor and Leader of the Academic Body UANL-420 Operational Excellence 4.0 in the Department of Industrial Engineering and Management and as Head of Educational Innovation at Chemical Science College at the Universidad Autónoma de Nuevo León, México. She is an Industrial Engineering with minor in Management at Universidad Autónoma de Nuevo León, Mexico. She obtained a Master's Degree in Industrial Engineering with an emphasis in Manufacturing at Universidad Autónoma de Nuevo León, Mexico and a Ph.D. in Educational Sciences at Universidad Autónoma de Coahuila, México. She has published articles in magazines and conferences about: Quality and productivity of the human factor in the fourth industrial revolution, Efficiency of machinery, equipment and processes lean 4.0 and Training of skills in Industrial Engineering 4.0. She has participated as Coordinator of the Work Study Academy. She participated as Co-Responsible for 25 School-Company Linkage Projects. She worked for 18 years in various companies in the Private Industry as an Industrial Engineer and Industrial and Commercial Sales Administrator.

Patricia Gómez-Fuentes is a full-time Professor and Coordinator of Basic Area in Industrial Engineering Department at the School of Chemical Sciences of Universidad Autónoma de Nuevo León (UANL), Dr. Gómez-Fuentes teaches courses such as Industrial Engineering and Operations Research. She earned a B.S. in Industrial Engineering with minor in Management and M.S. degree in Industrial Engineering from Universidad Autónoma de Nuevo León. She holds a Doctorate in Strategic Management from Warden International Institute. She has got experience in manufacturing industry with expertise in the areas of business administration. She has been recognized by the SEP with the Prodep Certification. Her research interests include design and optimization of operations and education and engineering linkage in production systems.

Nury Margarita Leal-Rendón is a Full-Time Professor and also Head of the Department of Human Resources, at the School of Chemical Sciences of the Universidad Autónoma de Nuevo León (UANL), San Nicolás de los Garza, Nuevo León, Mexico. She is a Systems Administrator Engineer from UANL, Mexico. She obtained a Master of Science in Administration with a specialty in Labor Relations from UANL, Mexico. She holds a Doctorate in Strategic Management at the Warden International Institute, Mexico. She has more than 20 years of work experience in the Human Resources area and 18 years in university teaching, she participates as a member of the Academic Body UANL-420 Operational Excellence 4.0, collaborating in different publications and conferences on quality and productivity of the human factor in the fourth industrial revolution and training of skills in Industrial Engineering 4.0.