

DIAGNOSTIC ANALYSIS OF TRAINING NEEDS IN THE FIELD OF LEAN SIX SIGMA

Goal of the project

The project aims to offer CONTINENTAL AUTOMOTIVE ROMÂNIA S.R.L. a methodology based on measurement instruments, analysis tools, and productive thinking methods, which, adequately implemented will trigger a cultural change and an increased focus on continuous improvement in all corporate activities.

Short description of the project

For a successful implementation of the Lean Six Sigma methodology at CONTINENTAL AUTOMOTIVE ROMÂNIA S.R.L. the project has developed:

- A clear communication plan.
- Incentives for individuals to overcome change resistance.
- Education and training for the senior managers along with employees on the tools, techniques and benefits of Six Sigma.
- Consultancy for managers and employees in applying and implementing complex Six Sigma projects effectively in the firm.

Project implemented by

Management Department

Implementation period

April-December 2015

Main activities

1. Development of a qualitative approach – focus groups with quality managers from CONTINENTAL AUTOMOTIVE ROMÂNIA S.R.L. regarding the project's communication plan.
2. Construction of an introductory Lean Six Sigma course.
3. Implementation of a qualitative questionnaire before and after the course.
4. Realization of ten training sessions with approximately 15 employees to introduce the Lean Six Sigma mentality and help start over 100 improvement projects in production, logistics and maintenance departments.
5. Supervision and consultancy for all individual Six Sigma projects.

Results

- 1 paper (ISI) published in a journal with an impact factor of 1,323 (in press)
- 3 papers published in conference proceedings (to be indexed ISI and BDI)

Applicability and transferability of the results

- Dissemination of results at international conferences.
- Improved university-industry relationships.
- Over 60 discussed and implemented individual improvement projects in CONTINENTAL AUTOMOTIVE ROMÂNIA S.R.L. based on the Lean Six Sigma methodology.

Financed through/by

CONTINENTAL AUTOMOTIVE ROMÂNIA S.R.L.

Research Centre

Engineering and Management Research Centre

Research team

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