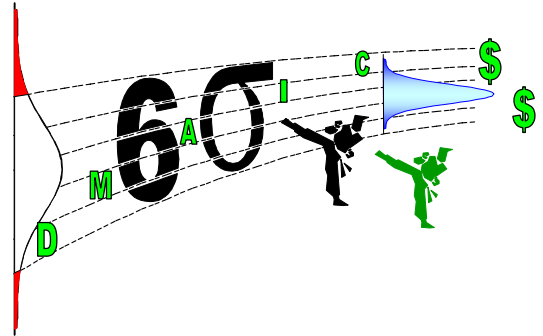


Six Sigma Strategy

Transforming opportunities into business results



M. I. Domenech

Six Sigma - Trainings

Six Sigma → Growing

Process Improvement - Trainings

M. I. Domenech



Carlos Domenech

He has been working for over 20 years in the statistical area and processes improvement. He worked for 10 years at the Rhodia Company in Research&Development" and "Process Technology". Master in Statistics by the Institute of Mathematics and Statistics (IME, University of Sao Paulo, Brazil); with specialization in Experimental Strategies and Planning for Robust Process Design in the Technology Center of the DuPont Company (Wilmington, Delaware), trained as a Master Instructor (Six Sigma Strategy) at the Motorola University (Austin, Texas). Certificated as instructor of the Six Sigma Strategy by the company Sigma Breakthrough Technology.

The M. I. Domenech company has trained Black Belts in different companies: Motorola, Santanense, Rhodia, Continental, Radiadores Visconde and others. The M. I. Domenech was selected by Honeywell as the Brazilian Six Sigma provider.

Internal and external consultants

We have consultants with master in statistics by the IME Institute/USP who participate actively in the consulting and support of the Six Sigma projects. The team is responsible for the development of the Sigma Help software, an Internet system that can help the Black Belts candidates in the Six Sigma applications. They have experience in the utilization of several statistical programs and in the elaboration of simulation programs.

For specific projects, the company has the collaboration of several consultants with Statistical PHD in Brazil and abroad.

What can the M. I. Domenech do for you?

We can help you to transform your problems and constraints in business results. Our experience comes from the practical knowledge in industrial and transactional processes, and from the training and consulting in Six Sigma Strategy in companies like Motorola, Honeywell and Coca Cola.

We have programs of courses that include a large diversity of requirements: measurement systems analysis, processes mapping tools, lean, simulation and prediction models, reliability and others.

Six Sigma - Trainings

*Imagine a competitor who could put you out of the business...
Six Sigma is the way to change your Company before that happens*

Six Sigma Strategy

A Six Sigma Strategy is synonymous of radical improvements in the business performance. To transform the strategic objectives of the company in reality. In almost all the companies that apply Six Sigma following the recommended steps, the investments in Six Sigma generate returns of 10:1.

The Map of Six Sigma

• Executive Overview

How to implement Six Sigma in the organization. Project selection and candidate areas to pilot the implementation.

• Champion Program

The critical link between the leadership and Green and Black Belts project and projects selection.

• Black Belt Program

Advanced statistical tools, project coordination tools, problem solution tools. Project orientations.

• Green Belt Program

Tools for the solution of focal problems

• Six Sigma Foundations Trainings

Six Sigma is broadcasted all over the Company.

• DFSS–Design for Six Sigma

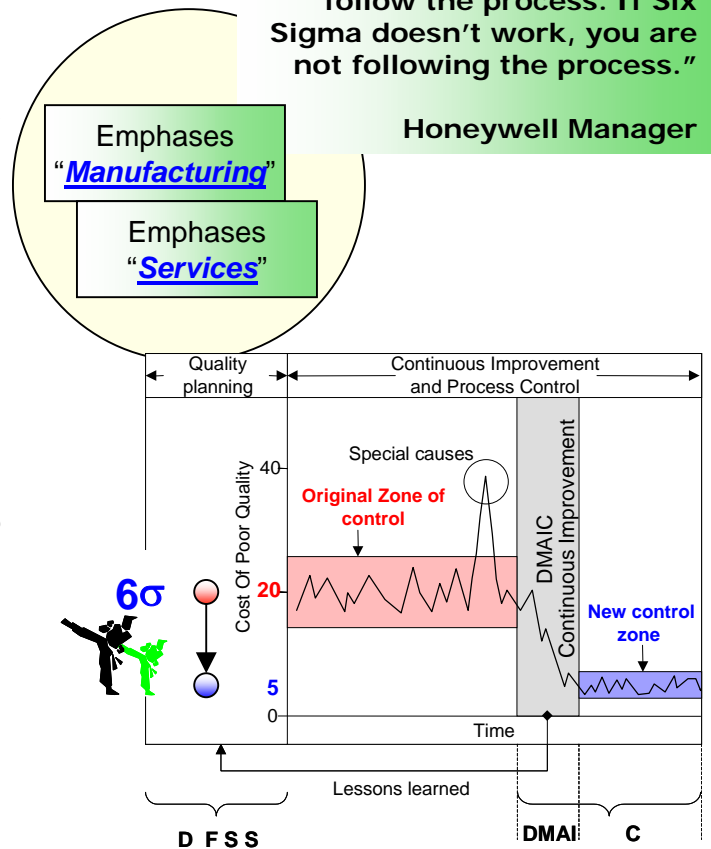
Methods for develop Six Sigma products or services

Training Materials

The training materials can be used as study guides and as map for the utilization of the Minitab software.

"Six Sigma works if you follow the process. If Six Sigma doesn't work, you are not following the process."

Honeywell Manager

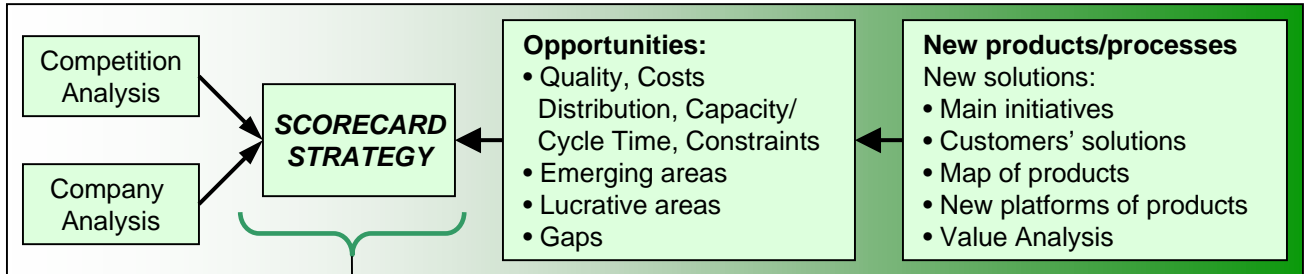


Permanent assistance

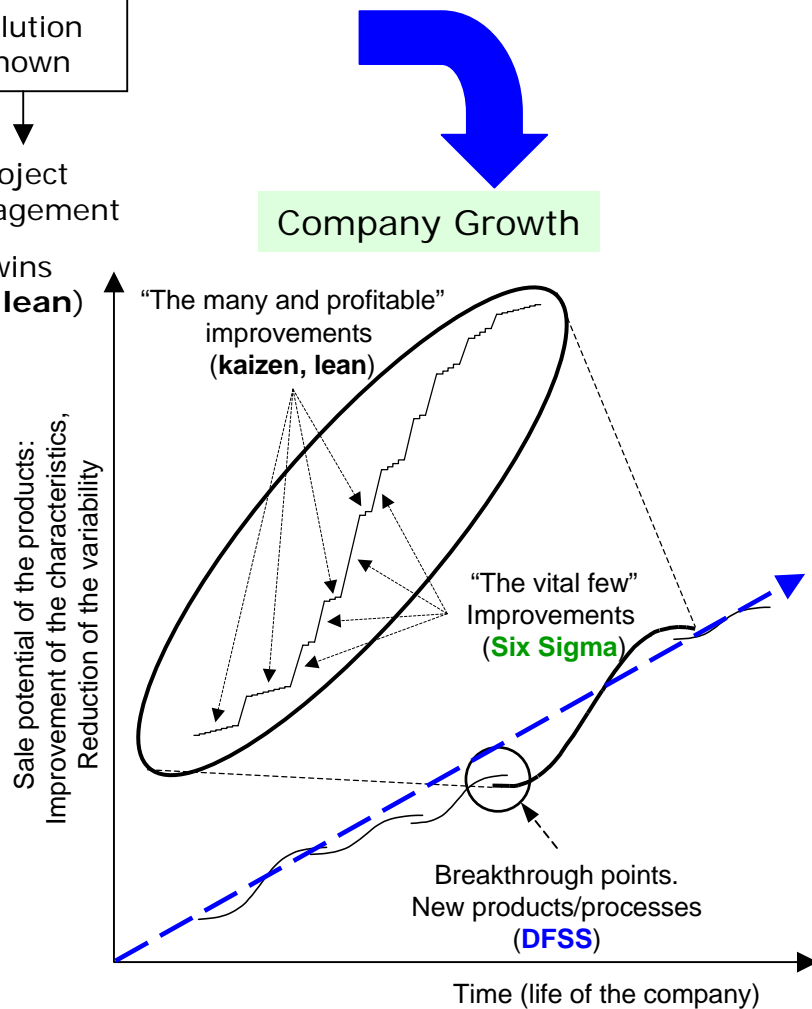
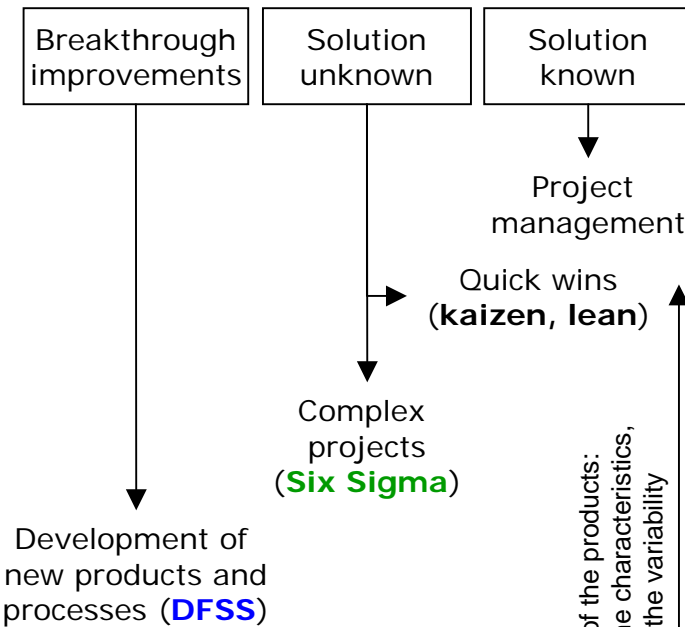
After the training, the Black Belts and Green Belts have a permanent support through Internet or telephone and with free assistance of the Sigma Help 2.0.

Six Sigma → Growing

The Six Sigma Strategy focus the company strategic objectives to transform the necessities in result\$. With Six Sigma your team can obtain breakthrough improvements. The recipe? Radical improvements are obtained through the selection of the right projects, the right people and the use of the right maps and tools



Types of problems



Process Improvement - Trainings

The trainings in process improvement provide strategies and tools to visualize the interconnections of the steps of a process, and to do analysis to decrease the risks that can generate failures in that process. It is also possible to evaluate the precision of the measurement system, to plan the collection of "representative" samples and to know which are the key variables that allow to drive the process to the wanted areas, maintaining the process robust in front of unwanted interferences.

Statistical Thinking

- The general focus of the Statistical Thinking for business process improvement
- Business process mapping
- Improvement strategies
- Basic statistical tools: summary statistics and graphs
- Tools for decision taking
- Case studies

Analysis, Improvement and Control of Measurement Systems

- Components of a Measurement System
- Data exploration through summary statistics and graphs
- Metrics to evaluate the precision of the measurement system
- Case studies
- Execution and analysis of a Gauge RR study

Process Mapping/FMEA

- Process value mapping
- Diagram and matrix Cause-Effect
- FMEA
- Studies of sources of variation: graphic and analytical exploration of process results

Exploration of Process Data

- Process value mapping
- Diagram and matrix Cause-Effect
- Samples for multi-vari studies
- Graphical methods
- Comparison and regression studies
- Study of several sources of variation
- Sample size calculations

Courses in Softwares and Advanced Topics

If there are areas of your Company with specific needs or if you want to deepen advanced topics, this is the section that will assist your needs. Some courses are: Use of Minitab, Comparison Methods, Regression Modeling, Reliability Analysis, Time Series Forecast.

Permanent support

After the courses, the participants have permanent support through internet or telephone.

Statistical control of Processes (basic and advanced)

- Roles of operators, supervisors and technicians in SPC
- Action Plan for special causes (OCAP)
- Importance of self-control
- Basic tools for problem solutions
- Foundations of the statistical control
- Control charts for individual and means
- Actions Plans for the solution of special causes
- Interpretation of the means and R control charts
- P, NP, C and U control charts
- Control charts for several sources of variation
- CUSUM control charts

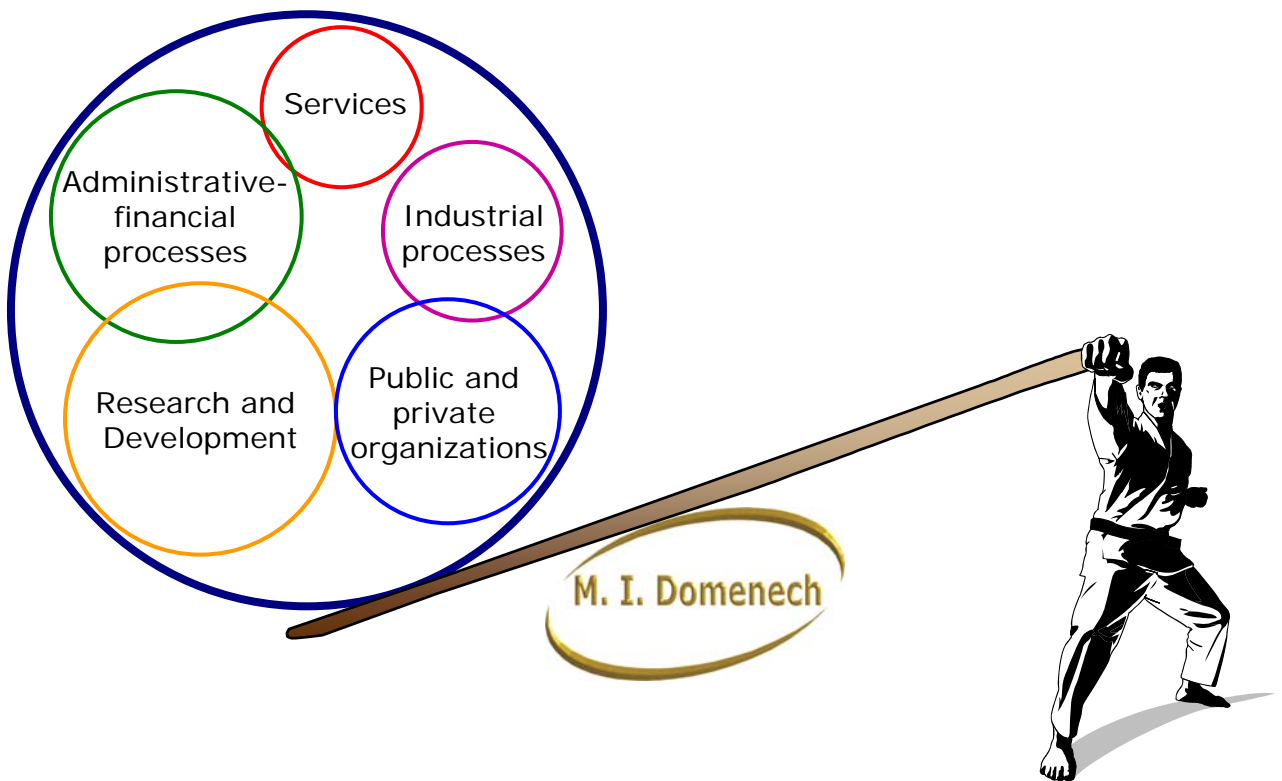
Design of Experiments (DOE)

- Importance of Design of Experiments
- Variability during experimentation
- Steps for execution of a DOE with success
- Full two levels factorials: main effects and interactions
- Fractional factorial designs: confusion, aliases and resolution
- The importance of blocking
- Response surface designs
- Optimization of several responses: desirability function
- Factors that contribute to the efficiency of an experimental design
- Sample size calculation for a factorial design
- Sensibility analysis and calculation of specifications

Visit our site – Visit our Company

www.statistical.com.br

If you are seeking information about the Six Sigma Strategy or needing help for process improvements, visit our site or our Company. There you will find solutions to transform opportunities in results. We can leverage your processes to breakthrough points.



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