Introduction to Master Black Belt

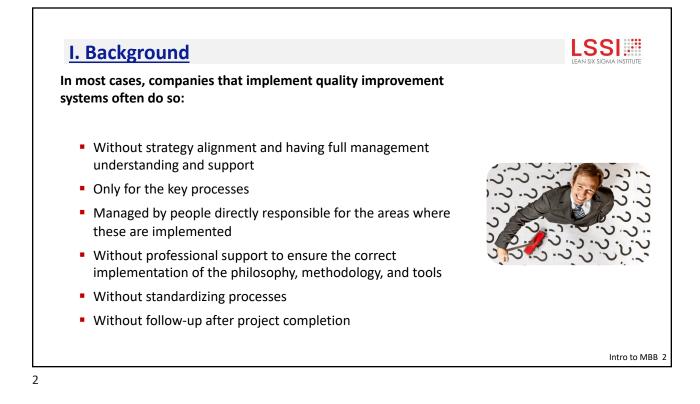
Learning objectives:

- 1. Understand the fundamentals of Lean and Six Sigma.
- 2. Identify the roles and responsibilities of the different actors in the implementation and monitoring of the philosophy.
- 3. Understand the elements of the Shingo Prize Model.

Content

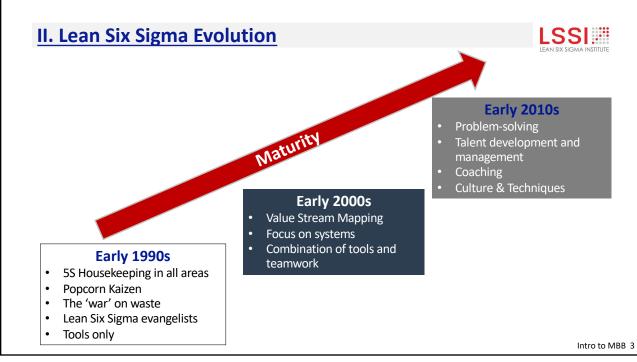
- I. Background
- II. Lean Six Sigma Evolution
- III. Implementation Strategy
- IV. Lean Six Sigma Principles
- V. Why do some organizations fail at implementation?
- VI. Lean Six Sigma Roles and Functions
- VII. How to track progress?
- VIII. Shingo Prize Model
- IX. Lean Company Assessment

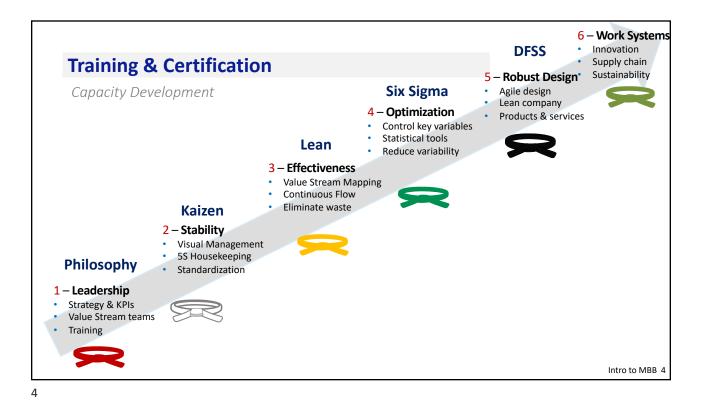
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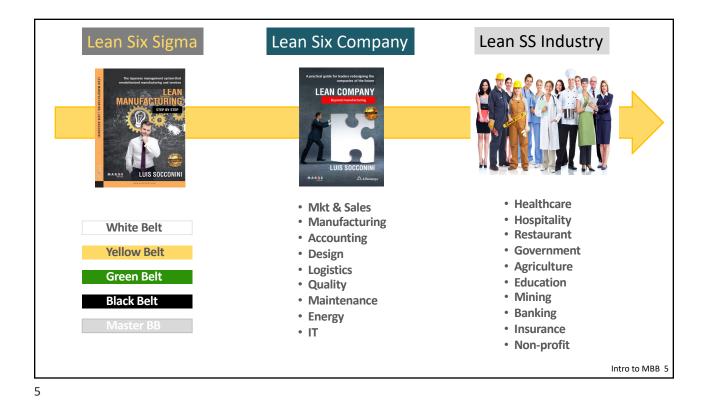


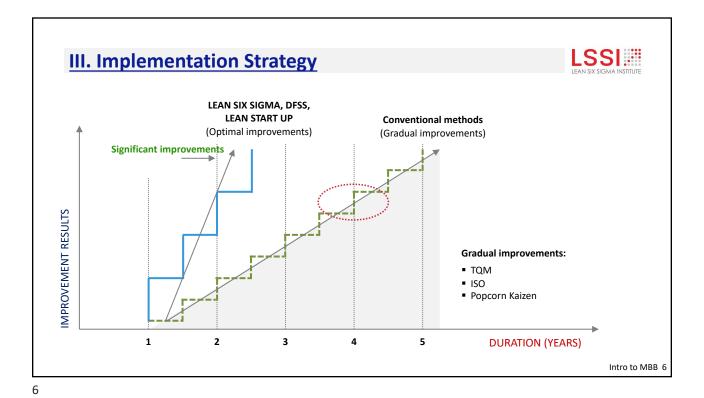
LEAN SIX SIGMA INSTITUTE

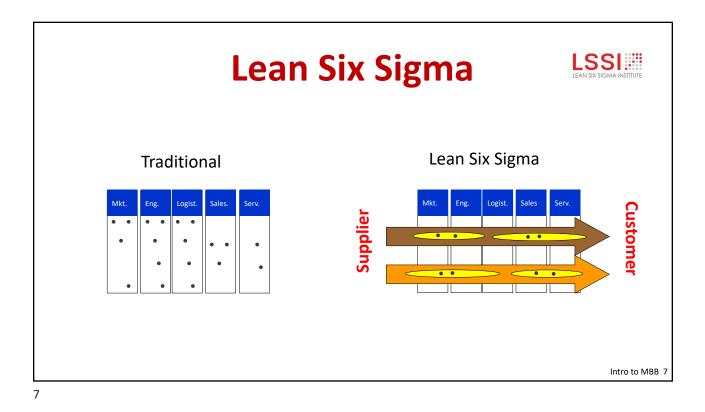
www.leansixsigmainstitute.org



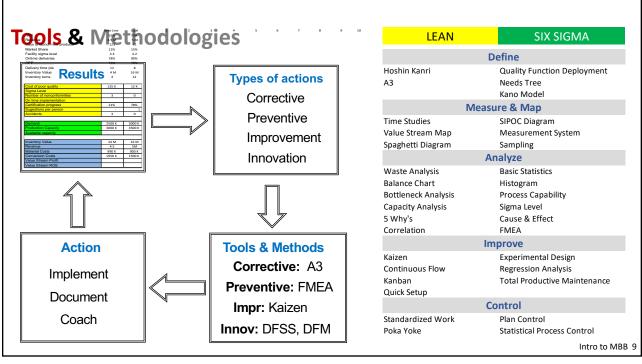




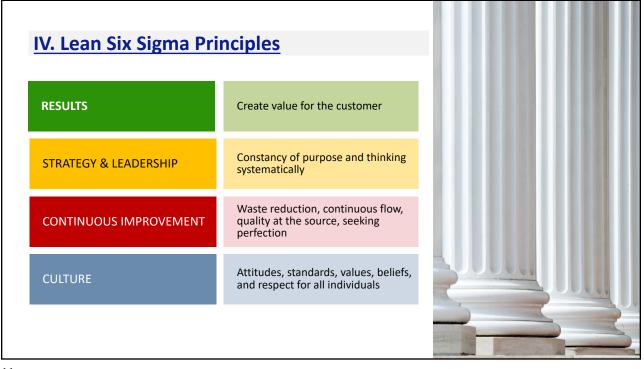


















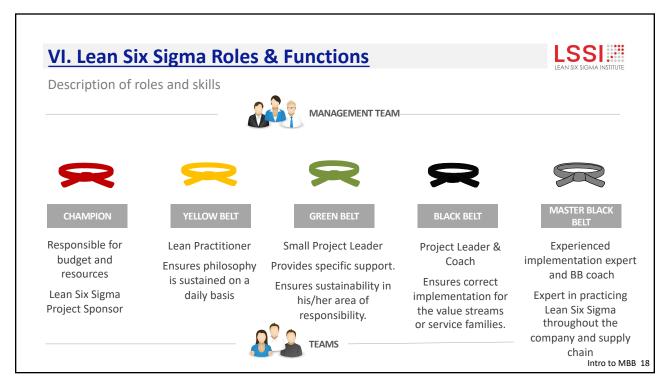






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MANAGEMENT TEAM



- Establishes the organization's vision, mission, and cultural elements
- Make important strategic decisions
- Defines strategic key performance indicators
- Tracks the organization's overall results
- Achieves results through proper management
- Manages change to develop work systems and mindset
- Accountable to customers and shareholders



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CHAMPION

- Typically, is a member of the management team
- Identifies implementation needs for strategic [Lean Six Sigma] projects
- Supports and oversees the implementation
- Supervises teams and projects' objectives to ensure scope is maintained
- Removes impediments and alleviates pressure from Black Belts and Green Belts
- Identifies potential improvements and refers them to teams
- Responsible for budget and resource management



TEAM MEMBERS



- Contribute their professional experience to developing projects
- Participate throughout the entire lifecycle of the projects assigned to them
- Encourage and facilitate teamwork
- Inform and report to project leaders/project managers (Black Belts / Green Belts)
- Generally, dedicate most of their time to one specific function and work either part-time or full-time on projects as they are initiated and assigned



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YELLOW BELT Active practitioner of LSS philosophy Leads small LSS projects and Kaizen events Delivers results and constantly improves them Has knowledge of Lean tools and methodology Generally works on operational and supporting activities Helps Green Belts and Black Belts implement complex projects Is an active advocate of the philosophy and constantly proposes improvement ideas as well as solutions to problems 22

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BLACK BELT Experienced Lean Six Sigma project leader across all value streams (Products, Services, R&D, etc.), support processes (Logistics, Finance, Maintenance, IT, Quality Assurance, etc.), suppliers, and customers Ensures the right implementation of tools and methodologies Reports to the management team Guided by MBBs in his/her training, mentoring, and methodologies Generally spends 100% of his or her time on project development, as opposed to daily operational activities Coaches Green Belts Accountable for project delivery and documentation The projects he or she works on are generally related to value streams or support processes 24

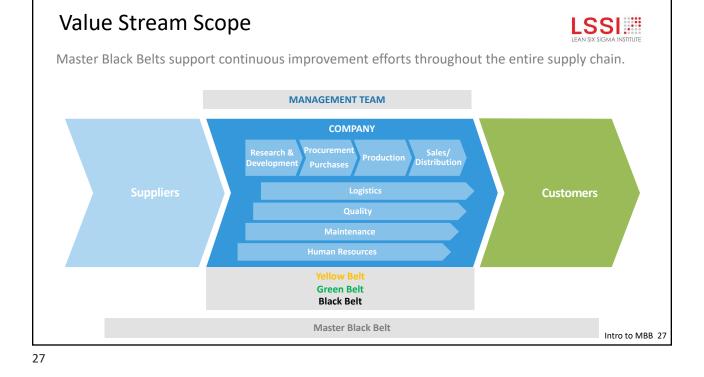
MASTER BLACK BELT

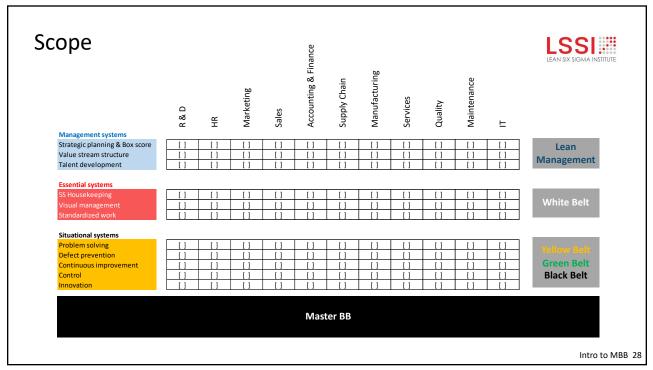


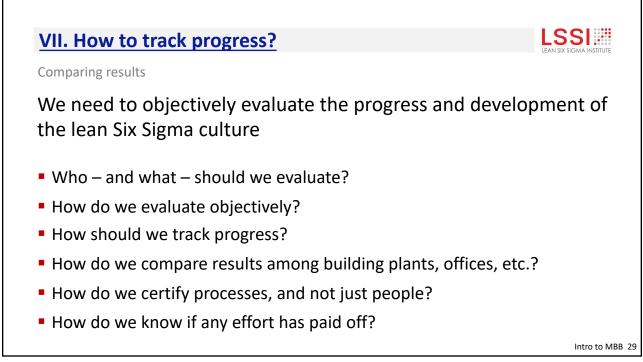
- Committed to ensuring that the correct implementation of Lean Six Sigma philosophy, methodologies, and tools are followed
- Experienced leader of strategic projects
- Coaches Black Belts and provides support for their projects and certifications
- Coordinates the correct execution (methodology) of the organization's projects and proposals
- Develops and promotes LSS implementation across supply chains and support processes (suppliers and customers)
- Evaluates the maturity and development of the LSS philosophy across the entire organization
- Designs the master implementation and development plan for the company's Lean Six Sigma initiatives

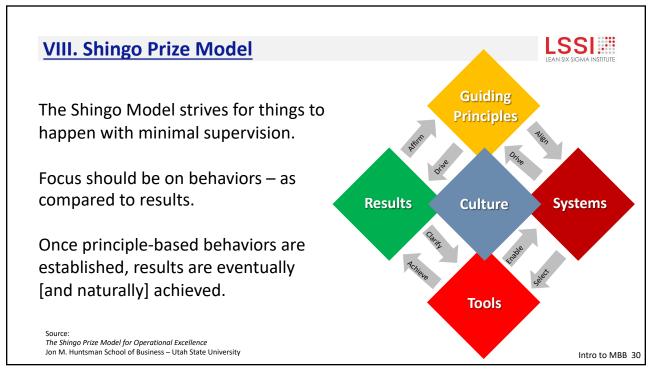


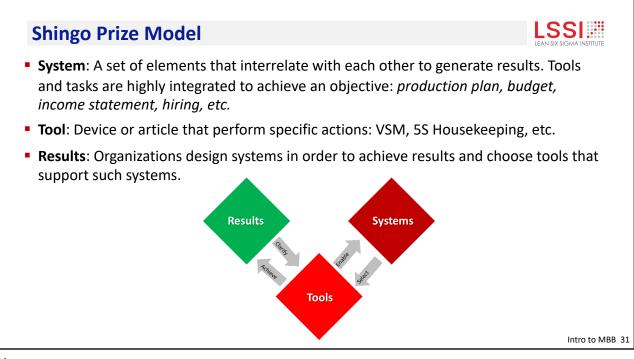


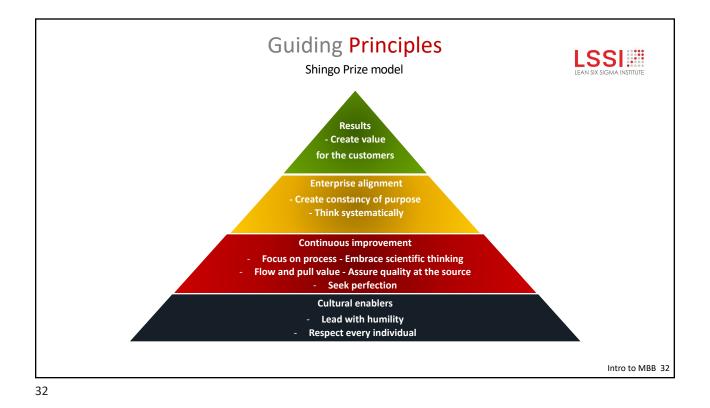


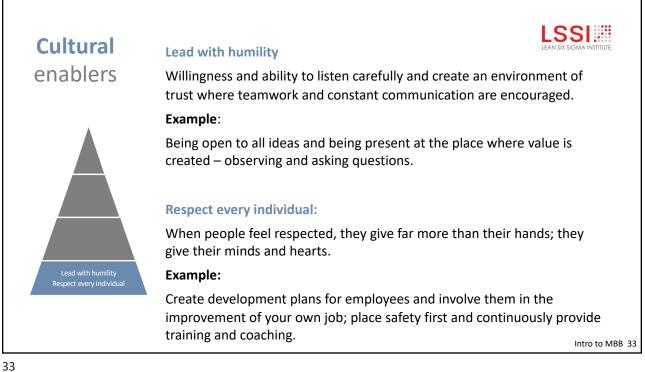


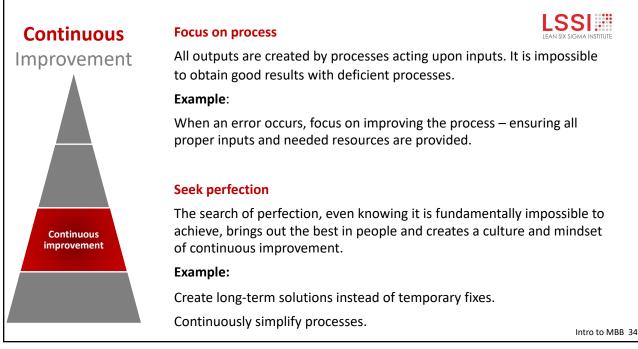


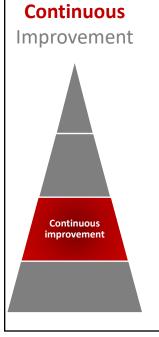












Flow and Pull value

Value for customers is maximized when it is created based on real demand and in an uninterrupted manner (i.e., removing waste from the process).

LSSI

Example:

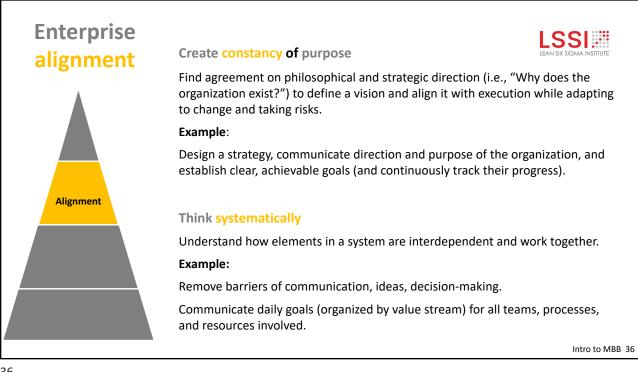
Avoid producing more than customers need, and ensure inputs and resources are available when needed.

Assure quality at the source

Quality can only be assured by stopping and fixing processes rather than planning to fix them later. In other words, by not passing defects forward.

Example:

Organize workplaces so errors are visible and easily identified; stop and fix these problems. Intro to MBB 35



Results

Great results are the outcome of following the principles that govern the results.

Create value for the customer

Value must be defined based on the perception of what the customer wants and is willing to pay.

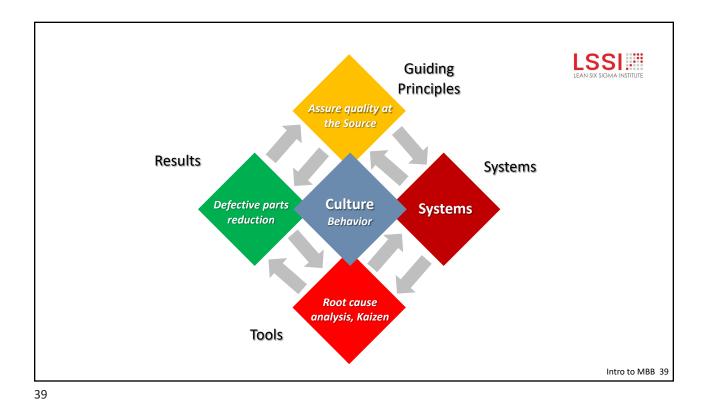
Example:

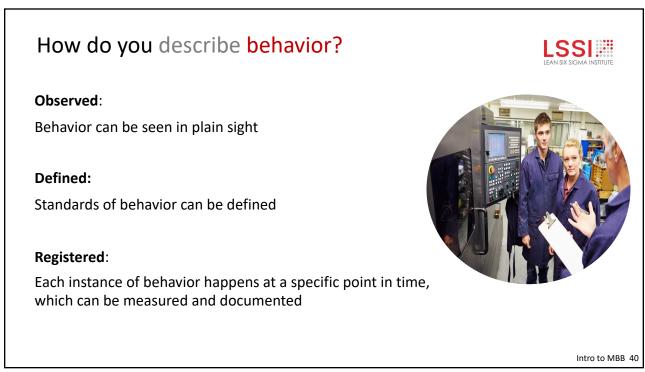
Understand customer needs and expectations.

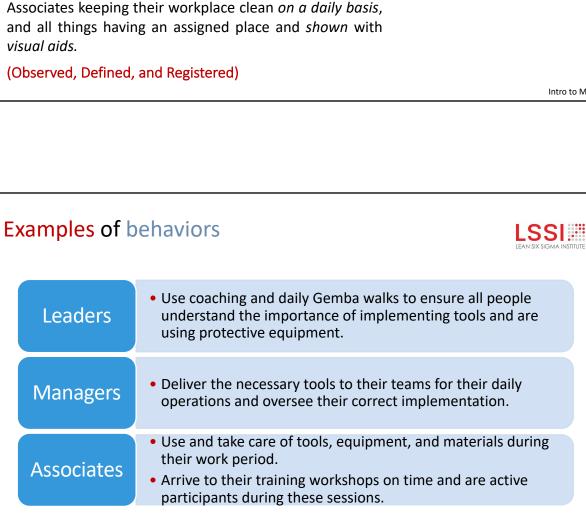
Deliver improved products and services that exceeds them.

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SSI



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How do you describe behavior?

respective area(s).

having an assigned place. (Observed and Described)

(Observed)

Associates implementing 5S Housekeeping in their

Associates keeping their workplace clean and all material

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