

# Lean Six Sigma: A Powerful Methodology (DMAIC)



## Define

- Who is the Customer for The process?
- What are his CTQs?
- **Project Charter:** Problem Statement, Goal Statement, Business Need, Scoping, Team Formation
- SIRPORC
- Accountability Matrix

## Measure

- **How we are doing currently:**
- What are the CTPs?
- Make Data Collection Plan in respect of the CTPs
- Validate Measurement System
  - Collect the Data
  - Tabulate the data
- Calculate Current Process Capability

## Analyze

- Analyze the Data To:
- Find Causes for Variation
  - Identify Root Causes
  - Do Value Analysis of Process Maps
  - Generate Choices of Solutions

## Improve

- Brainstorm & Choose Best Solution
- Assess & Reduce Risk of the Solution Using FMEA
- Pilot the Solution: Verification
  - Validate the improvement

## Control

- Authenticate The Gains / Savings
- Ensure Solution is Sustained through Documentation, Control Charts, Audit Plan