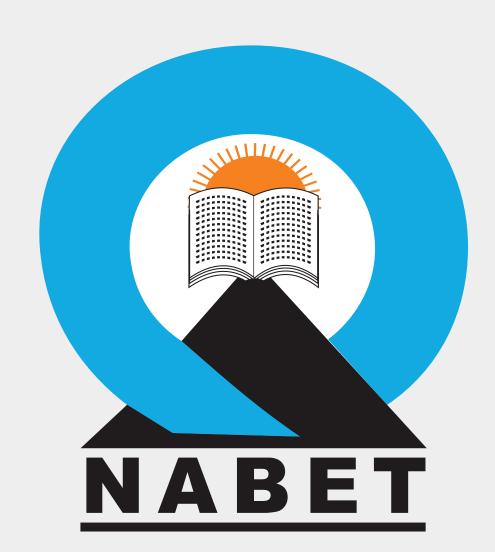


Cost Inefficiencies in Traditional Manufacturing System



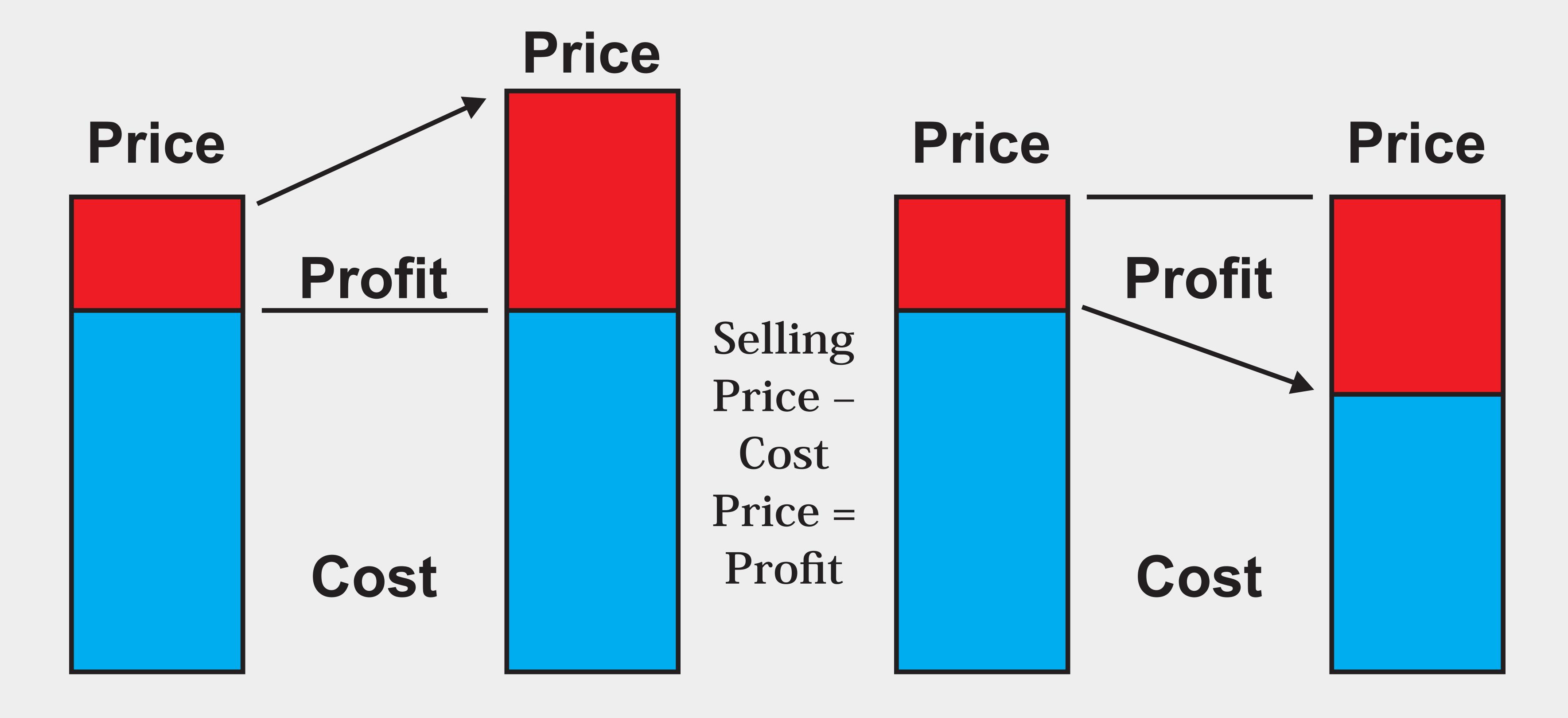
Selling Price – Cost Price = Profit

Traditional Thinking

Price – cost = profit

Lean Thinking

Price – cost = profit



Traditional

Complex

Forecast driven

Excessive inventory

Speed up value-added work

Batch production

Long lead time

Inspected-in

Functional departments

Lean

Simple and visual signals

Demand driven

Inventory as needed

Reduce non-value added

Small lot size

Minimal lead time

Quality built

Value stream managers

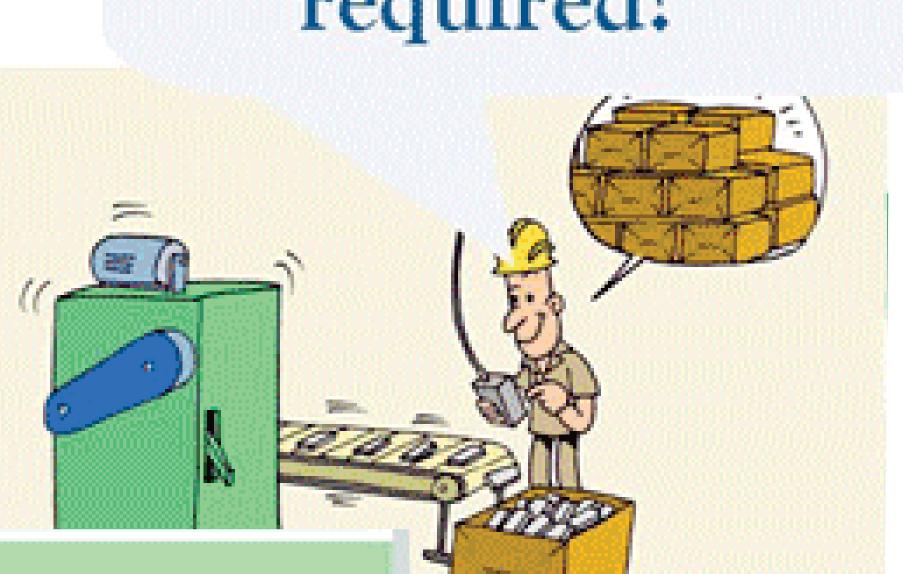






Over production

Are we producing exactly what is required?



Lean manufacturing or lean production, often simply "lean", is a systematic method for the *elimination of waste* ("Muda") within a Manufacturing system.



Inventory

Where and how can we reduce our stock?





Are people waiting too long for materials to be processed?

Rework/rejects



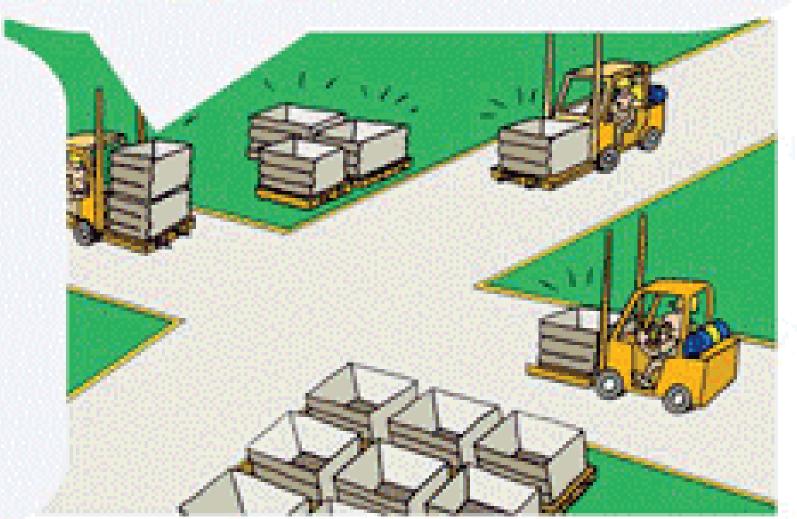
How can I avoid mistakes?

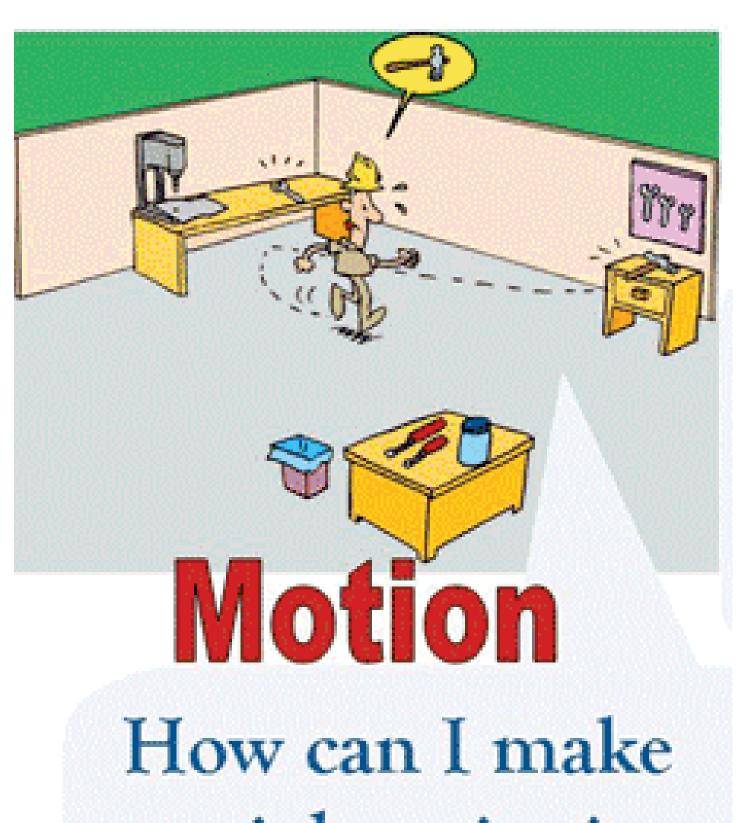
Waste in any form causes some type of cost !!!

Get rid of it!!!

Transporting

How can I avoid moving parts from one place to another?





How can I make my job easier in order to avoid too much motion?

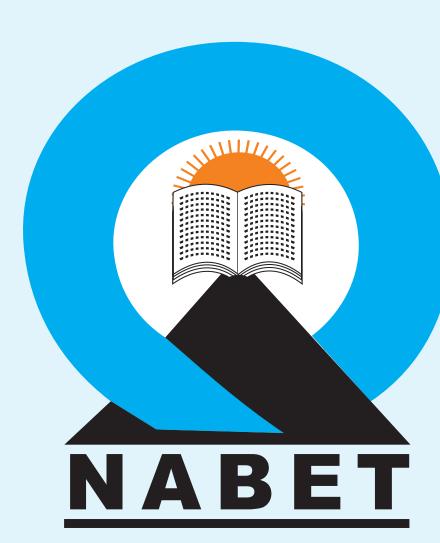
Over processing

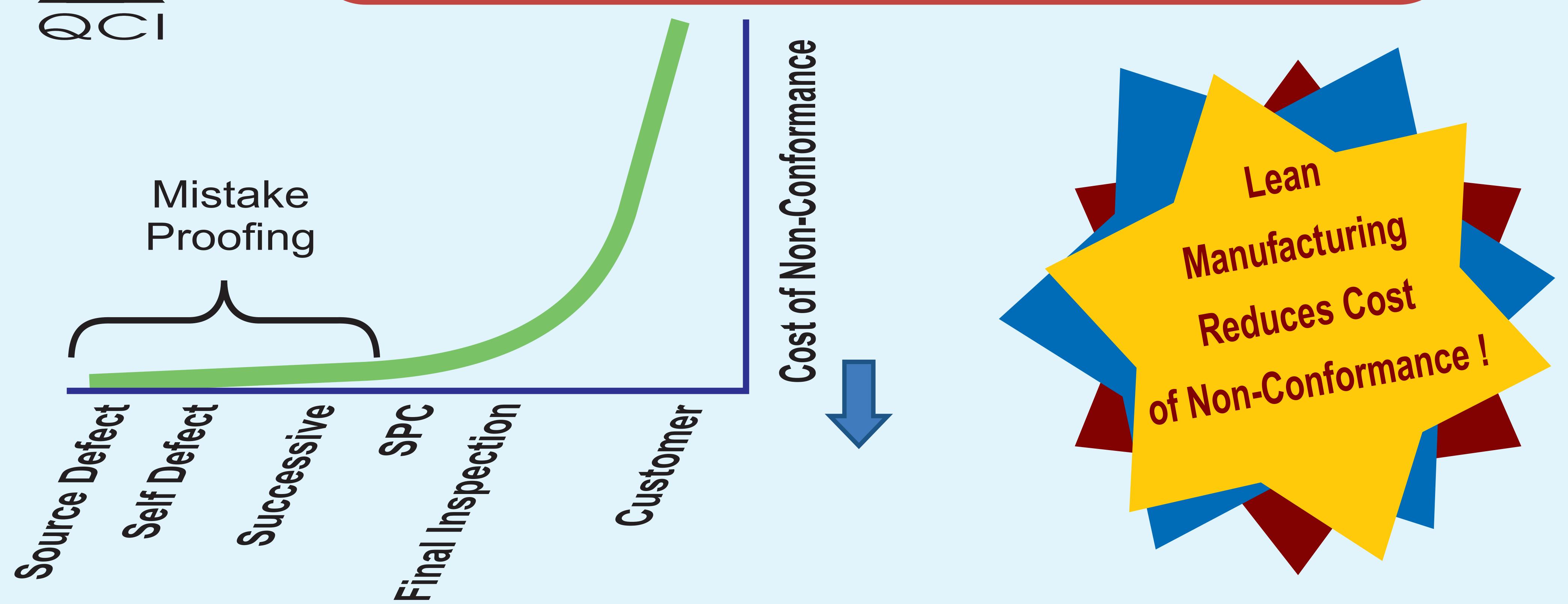
Can operations be eliminated from my work?





Cost of Non-Conformance





Typically >95% of Total Lead Time is Non-Value Added!!

Value Added time or Actual run time

Order Processing, Transport, Storage, Waiting, Rework, Machine Setup, Inspection, Machine Breakdowns, etc.

5%







About The Scheme

National Accreditation Board for Education and Training (NABET) is a constituent Board of Quality Council of India. NABET has been appointed as National Monitoring and Implementing Unit (NMIU) for up - scale dversi on of Lean Manufacturing Competiveness Scheme of Ministry of Micro, Small and Medium Enterprises (MSME).

- Strong performance of MSME sector is necessary for us to achieve the objective of rapid and inclusive growth.
- The Scheme aims at enhancing the productivity and competitiveness of MSME Enterprises by reduction of wastages in manufacturing processes, inventory management, space management, energy consumption, etc through implementation of Lean Tools and Techniques

Benefits

- Quality performance, fewer defects and rework (in house and at customer)
- Fewer Machine and Process Breakdowns
- Lower levels of Inventory
- Greater levels of Stock Turnover
- Effective utilization of space
- Higher efficiencies, more output per man hour
- Improved delivery perfor-mance
- Greater Customer Satisfaction
- Improved employee morale and involvement
- Improved Supplier Relations
- Higher Profits!

Introduction

- Clusters are being formed comprising of 6-10 units.
- Lean Consultants implement various Lean Tools and Techniques depending on the need and requirement of Industry during period of 18 months.
- Fees of lean Consultant is being subsidized in the scheme.
- 80% cost of implementation being borne by Ministry of Micro, Small and Medium Enterprises (MSME) while 20% cost is borne by Industry.

National Manufacturing Policy describe manufacturing as the main engine for growth of the economy & envisages manufacturing sector to reach a target of 26 per cent of the national GDP by 2022.



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