Total Quality Management : A Journey Toward Excellence....

by

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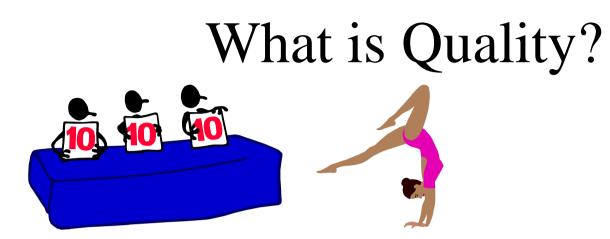
National Productivity Corporation

25 May 2004, NPC, P.Jaya



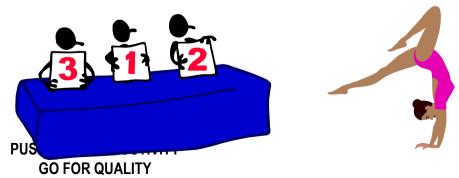
Introduction to Quality....





"Quality is neither mind nor matter, but a third entity independent of the two...even though quality cannot be defined, you know what it is."





Some Definitions of Quality

- "Quality is fitness for use" J. M. Juran *Quality Control Handbook*
- "Quality is conformance to requirements" Philip B. Crosby *Quality is Free*
- "Quality means best for certain customer conditions. These conditions are (a) the actual use and (b) the selling price of the product."
- Armand V. Feigenbaum Total Quality Control
- Quality is meeting and exceeding customer expectations" TQM philosophy PUSH FOR PRODUCTIVITY GO FOR QUALITY

Quality Concept

"Product-Out" Vs "Market-In"

• SELLERS' MARKET

- Supply < Demand

TQM is not necessary

• BUYERS' MARKET

- Supply Capacity > Demand

TQM is necessary



"It is not the big that is eating the small, it is the fast that is eating the slow"



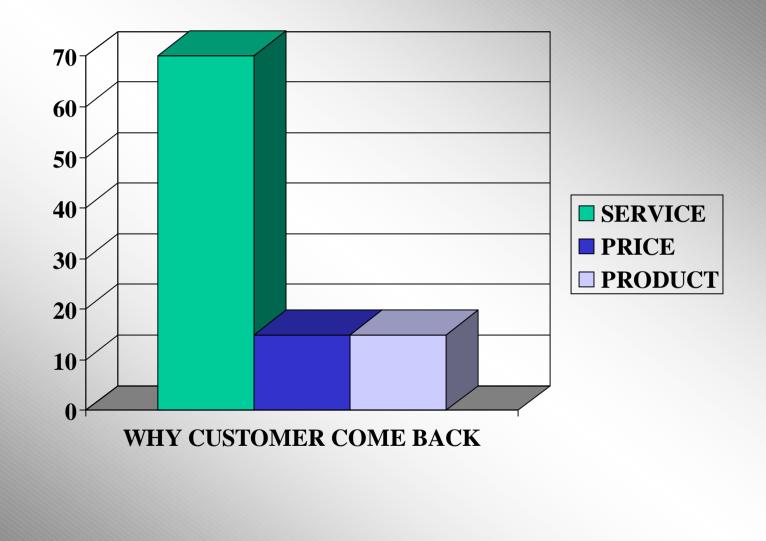
Why Quality....



Why is Quality Important ?

- Customer surveys show that
 - Only 4 out of 100 dissatisfied customer will complain to manufacturers.
 - The rest will not buy the products again.
 - It costs at least 5 times as much to attract a new customer as it does to keep an existing one.

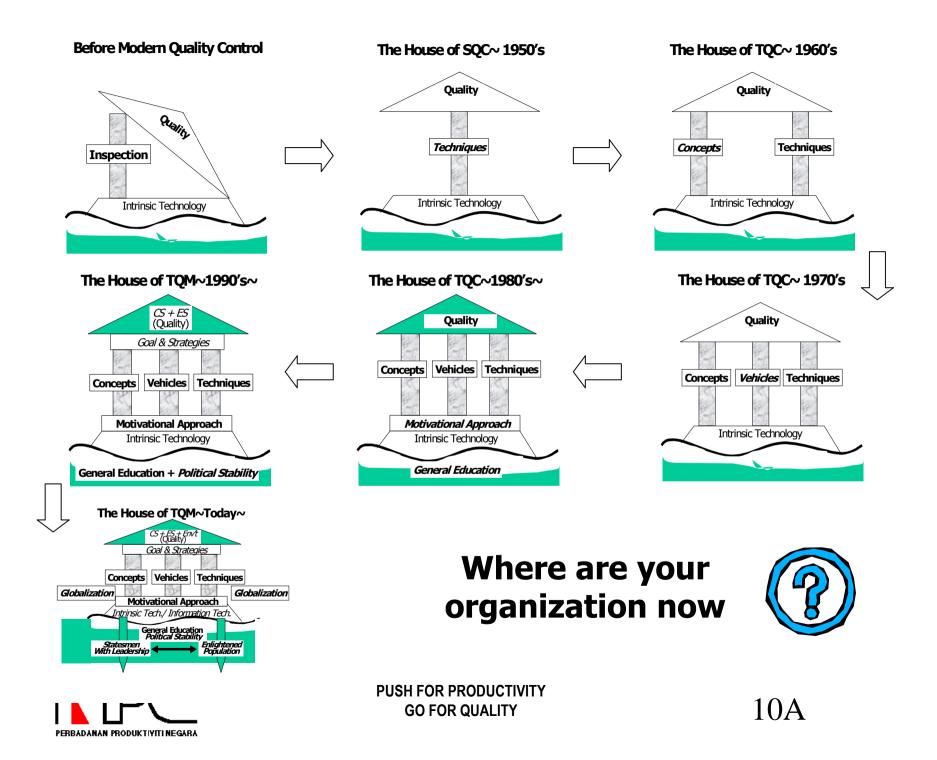


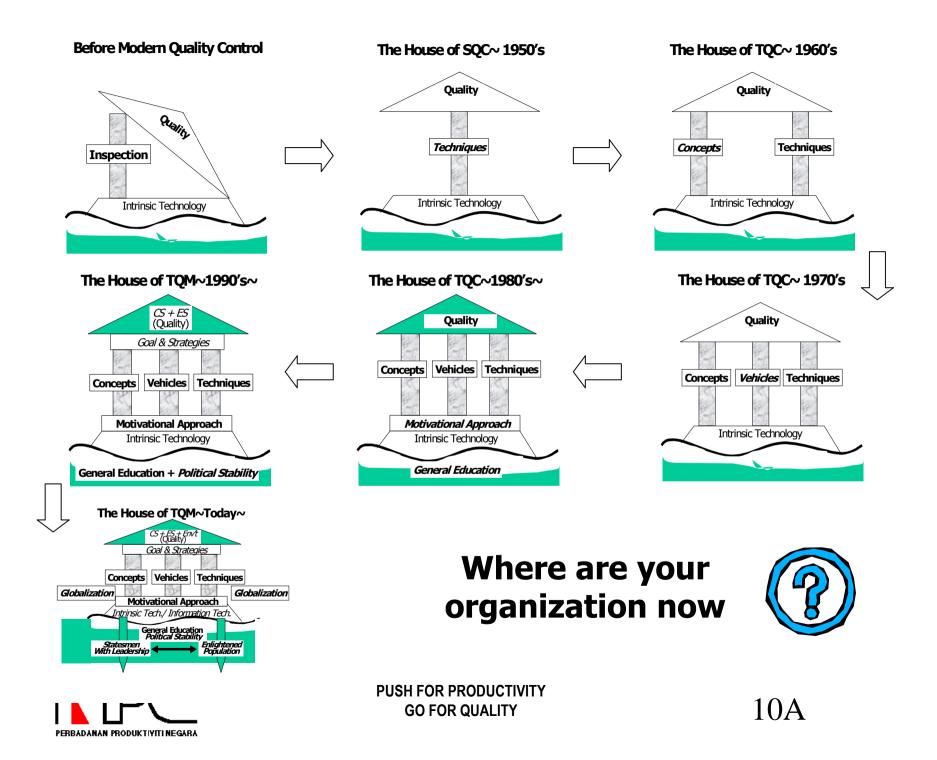


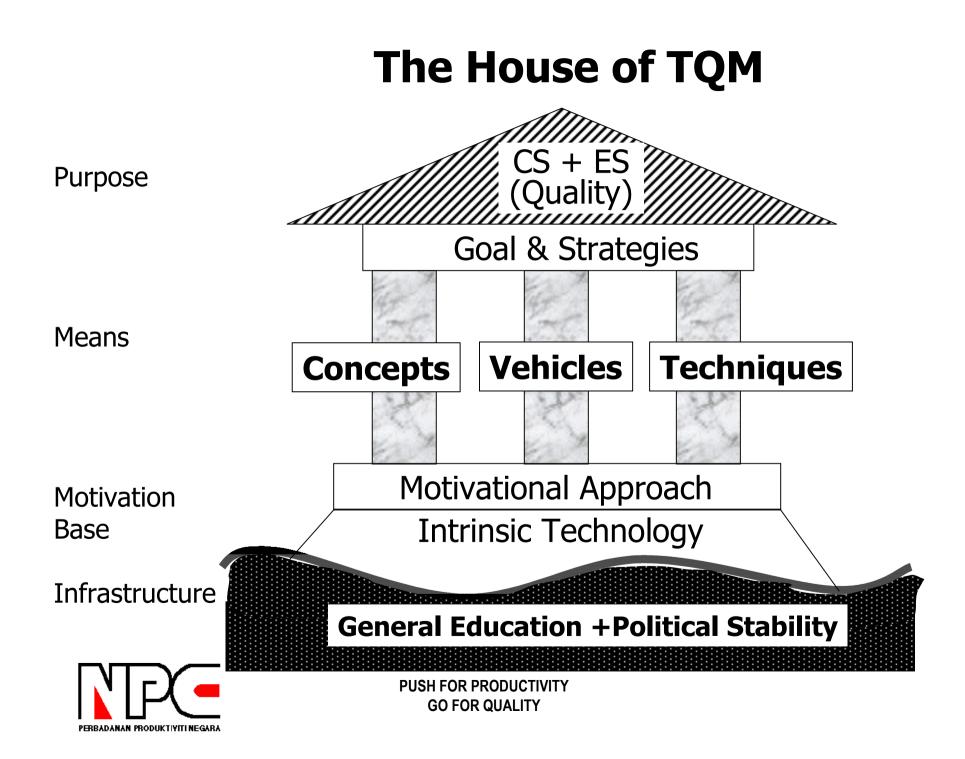


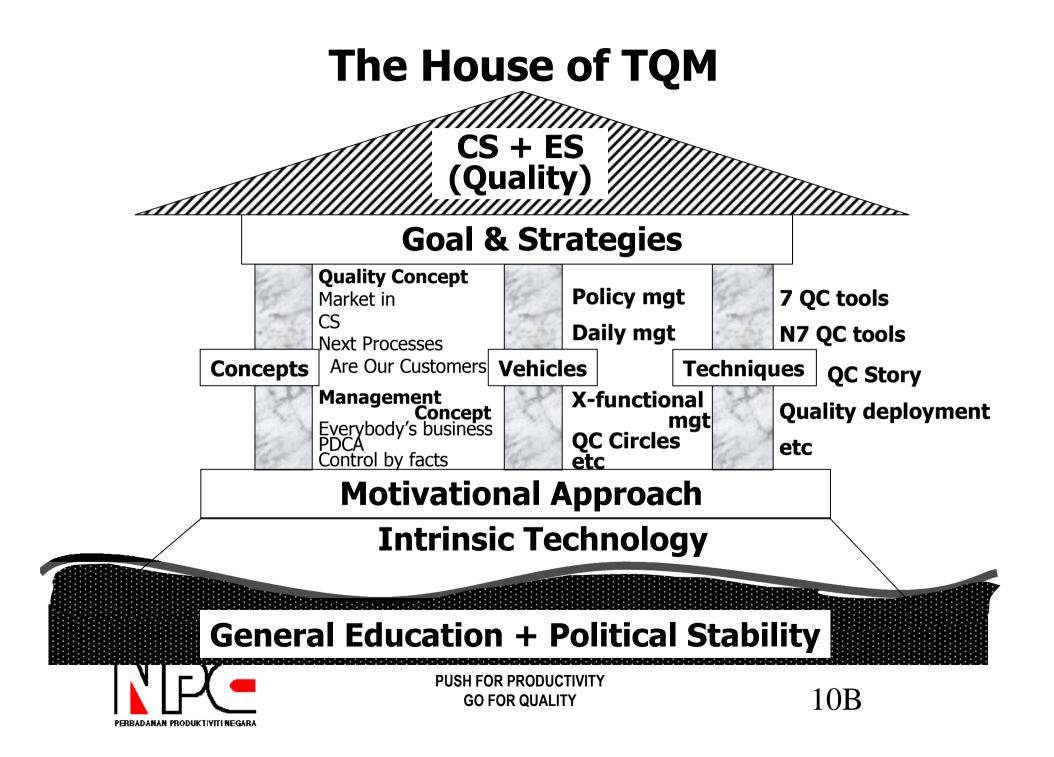
Quality Management Evolution

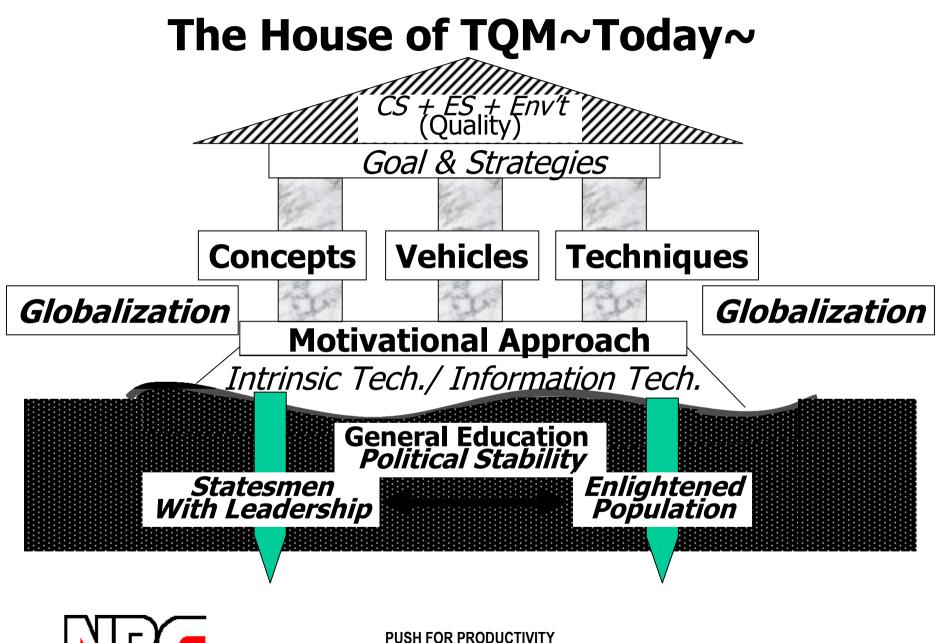












GO FOR QUALITY

PERBADANAN PRODUKTIVITI NEGARA

What is TQM....



"Total Quality Management is a *people focus* management system that aims at continual increase in *customer* satisfaction at continually lower real cost

Total Quality Management is a total system approach and an integral part of high level strategy; it works horizontally across functions and departments, *involves all employees*, top to bottom, and extends backward and forward to include the *supply chain* and the *customerry* **Total quality management stresses** KKVV learning and adoption to *continual* Definition. *change* as keys to to organizational

success."

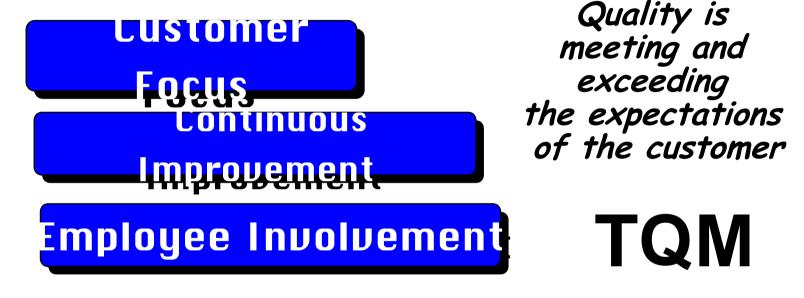
SUTEOR QUALITY

Procter

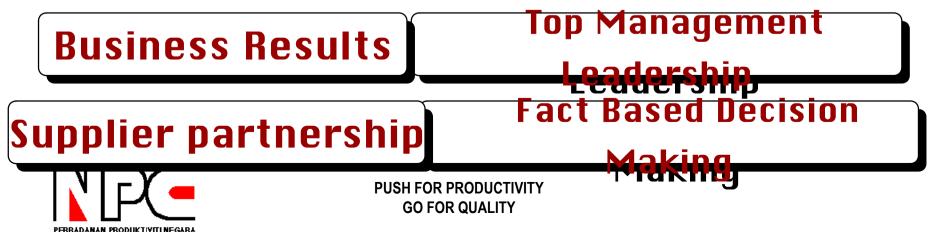
Gamble

TOTAL QUALITY MANAGEMENT

THE CORE



THE SUPPORT



World Class organizations focus:

- Customer focus
- Process focused
- Employees focus

-George Eckes, Six Sigma for Everyone





TQM STRATEGY

PRINCIPLES		ACTION
The Approach		Management Led
The Scope	\rightarrow	Company Wide
The Scale	\rightarrow	Everyone is Involved
The Philosophy	\rightarrow	Prevention Not Detection
The Standard	\rightarrow	Right The First Time
The Control	\rightarrow	Cost of Poor Quality
The Theme	\rightarrow	Continuous Improvement
The Method	\rightarrow	Statistical Thinking
The Support	\rightarrow	Quality Management System

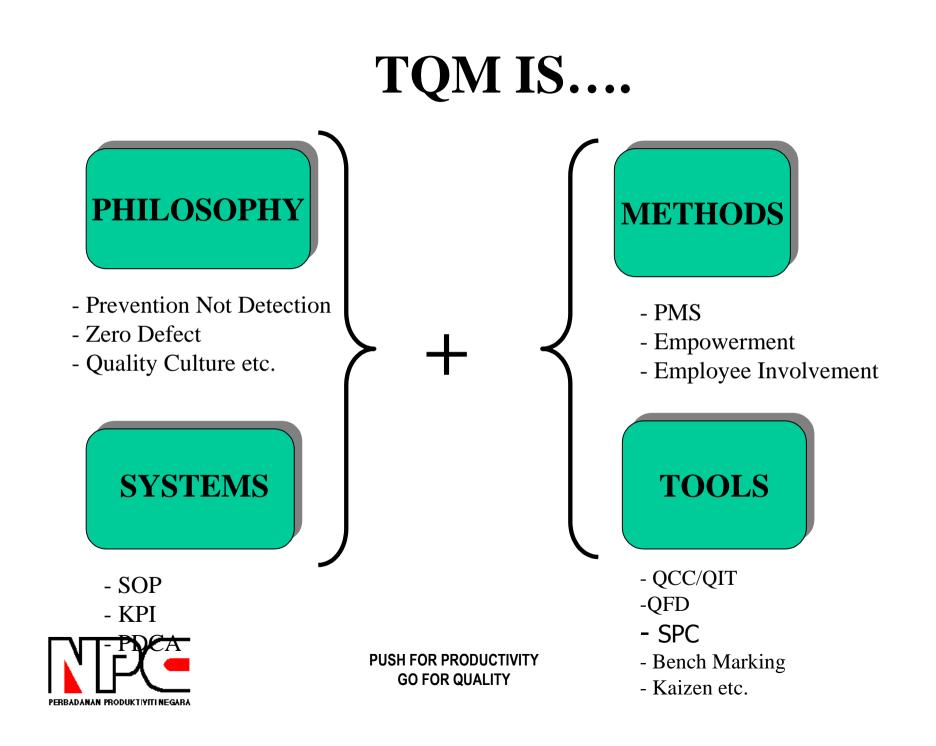


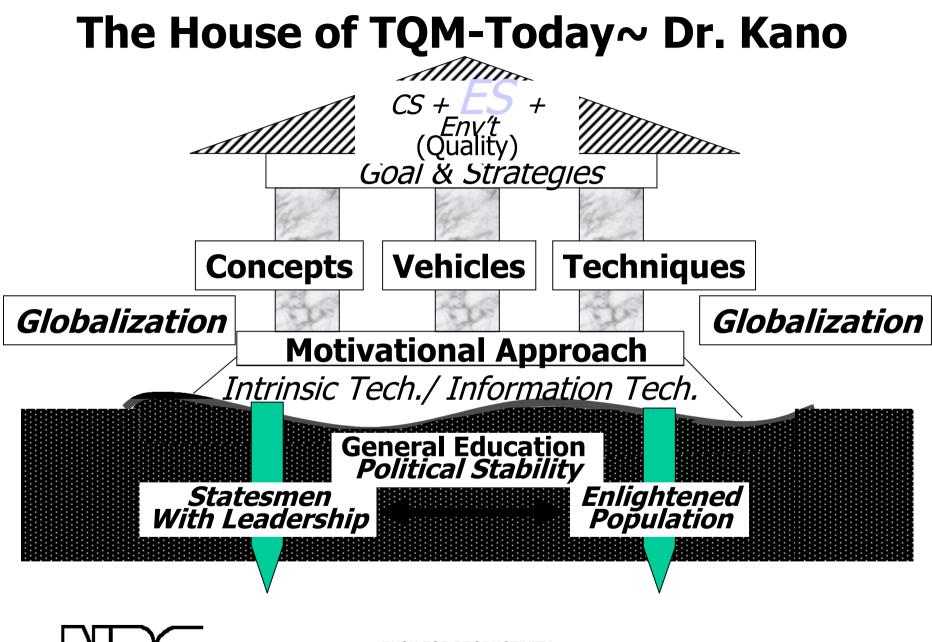
GO FOR QUALITY

TOTAL QUALITY MANAGEMENT : THE PARADIGM SHIFT....

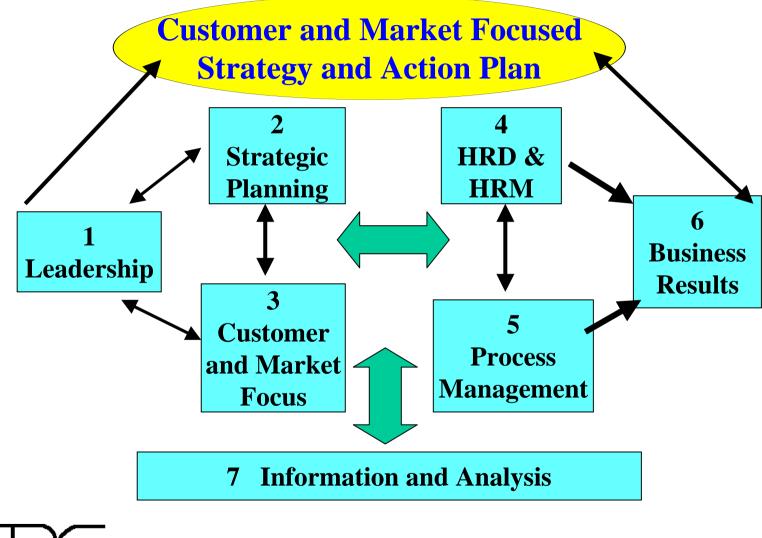
From	<u>To</u>	
Control	Commitment	
Commanding	Coaching	
Hands	Heads/hearts	
Product	Process	
Inspection	Prevention	
	PUSH FOR PRODUCTIVITY GO FOR QUALITY	

PERBADANAN PRODUKTIVITI NEGARA



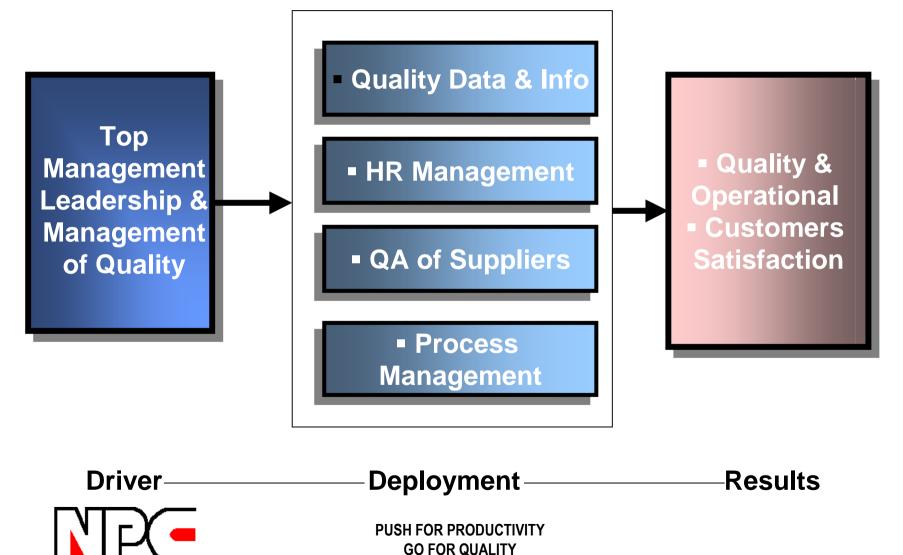


Baldrige Award Criteria Framework



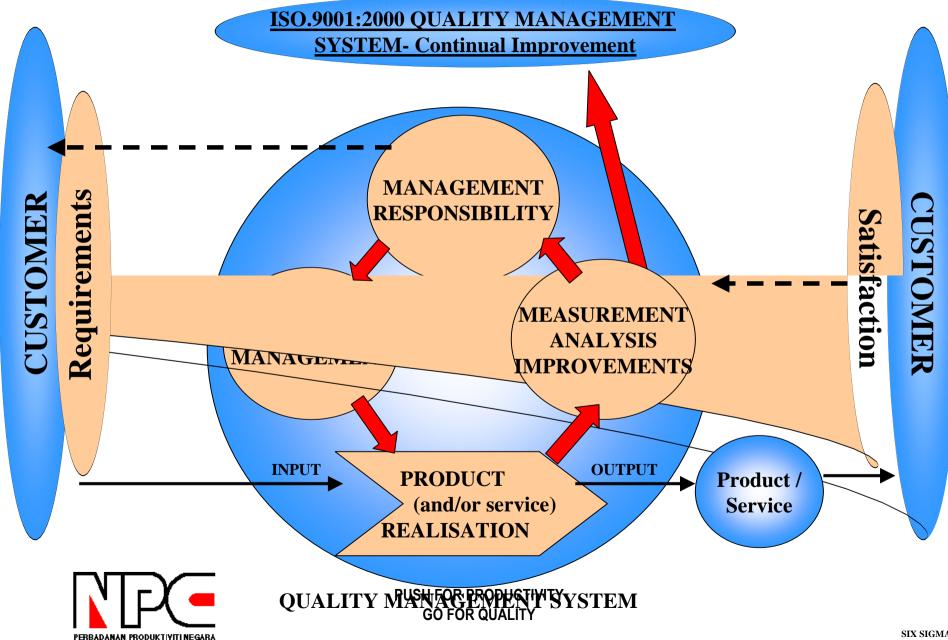


PM QUALITY AWARD MODEL FOR EXCELLENCE



PERBADANAN PRODUKTIVITI NEGARA

ISO.9001:2000 QUALITY MANAGEMENT PROCESS MODEL



TQM Guru's and Their Approaches



The Quality Gurus

W. Edwards Deming

Joseph M. Juran

Philip Crosby



Deming's 14 Points

- 1. Statement of Purpose
- 2. Learn the New Philosophy
- 3. Understand Inspection
- 4. End Price Tag Decision
- 5. Improve Constantly
- 6. Institute Training
- 7. Institute Leadership
- 8. Drive Out Fear and Innovate

- 9. Optimize Team Efforts
- **10. Eliminate Exhortations**
- 11. Eliminate Quotas and MBO; Institute Improvement; Understand Processes
- **12. Remove Barriers**
- **13. Encourage Education**
- 14. Take Action



PUSH FOR PRODUCTIVITY GO FOR QUALITY

Evan & Dean (2000

Popular TQM Approaches

Crosby's 14 Quality Steps

- . Management commitment
- . Quality improvement teams
 - **Quality measurement**
- Cost of quality evaluation
- 5. Quality awareness
- Corrective action
- Zero-defects committee

- 8. Supervisor training
- Zero-defects day
- Goal-setting
 - . Error cause removal
 - 2. Recognition
 - Quality councils
- Do it over again

Popular TQM Approaches				
Quality Planning	Quality Control	Quality Improvement		
• Set goals	• Evaluate performance	• Establish infrastructure		
 Identify customers & their needs 	• Compare to goals & adapt	• Identify projects & teams		
• Develop products		• Provide resources & training		
& processes	Sà	• Establish controls		

Similarities and Differences

Similarities

- Quality requires a strong upper management commitment
- Quality saves money
- Responsibility is placed on managers, not workers
- Quality is a never-ending process
- Customer-orientation
- Requires a shift in culture
- Quality arises from reducing variance

References Book : *Managing Quality by V. Daniel Hunt*



Customer Focus....



Customer-Driven Change

Create an urgency to change by listening to customers and communicating their concerns to employees. Customer-driven change motivates employees to engage in continuous improvement.



Courtesy of Continental Airlines



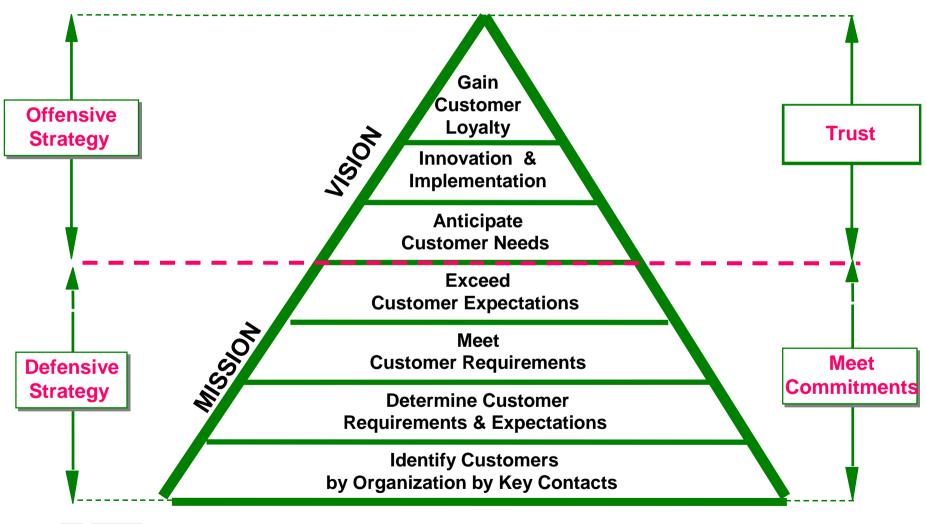
Listening & Learning From Customers

• Gather data on requirements & expectations of customers.

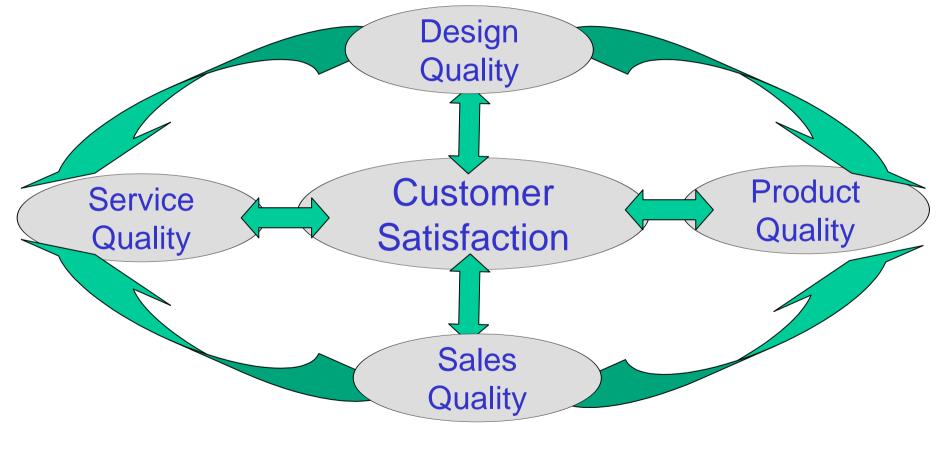
- Complaint Data and Analysis of Lost Customers.
- Data on customers.
- Anticipating future requirements.
- Enhance information gathering/analysis on customers.



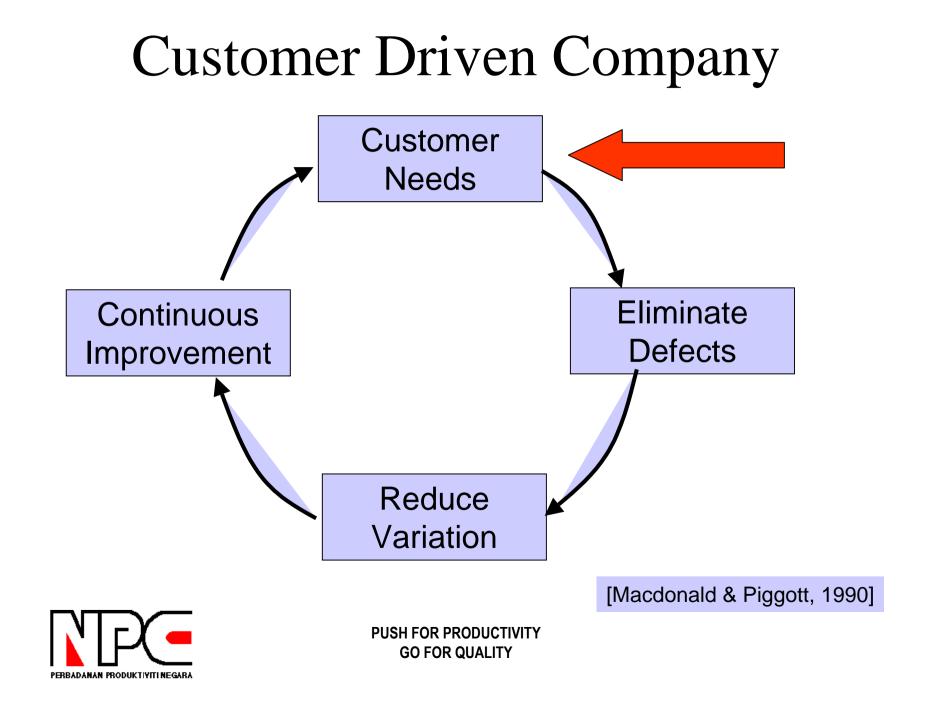
Hierarchy Of Customer Satisfaction



Customer Satisfaction







Peter Drucker stated,

"The customer is the foundation of the business and keeps it in existence".



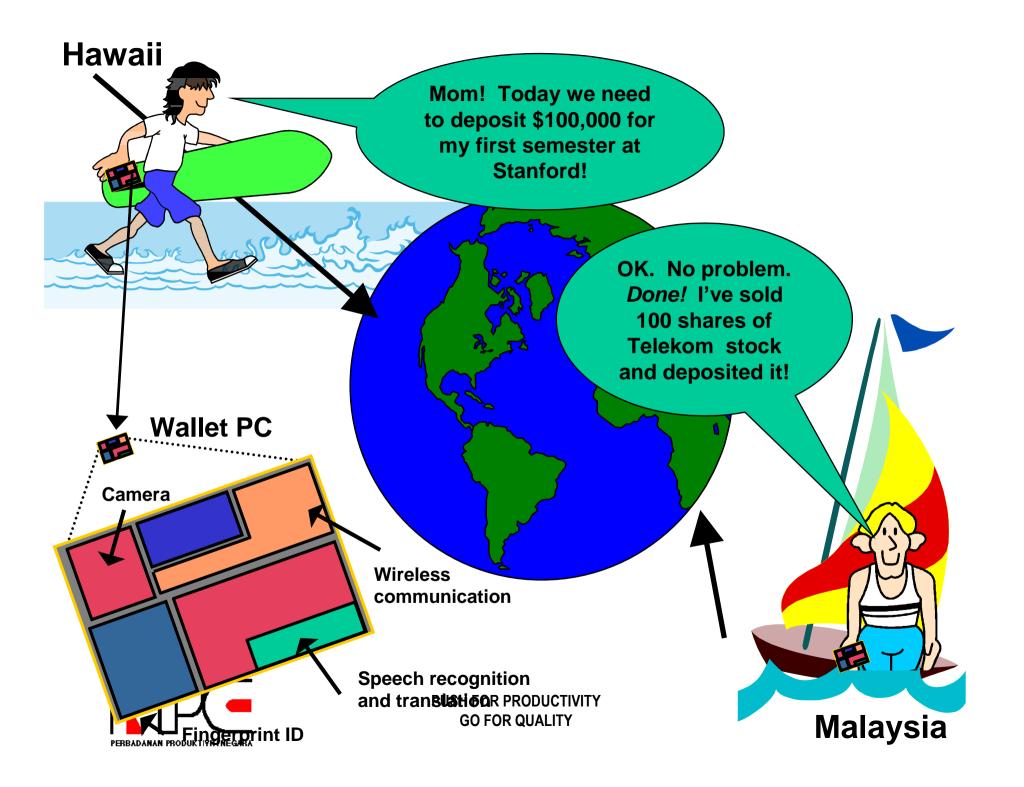
Initiatives

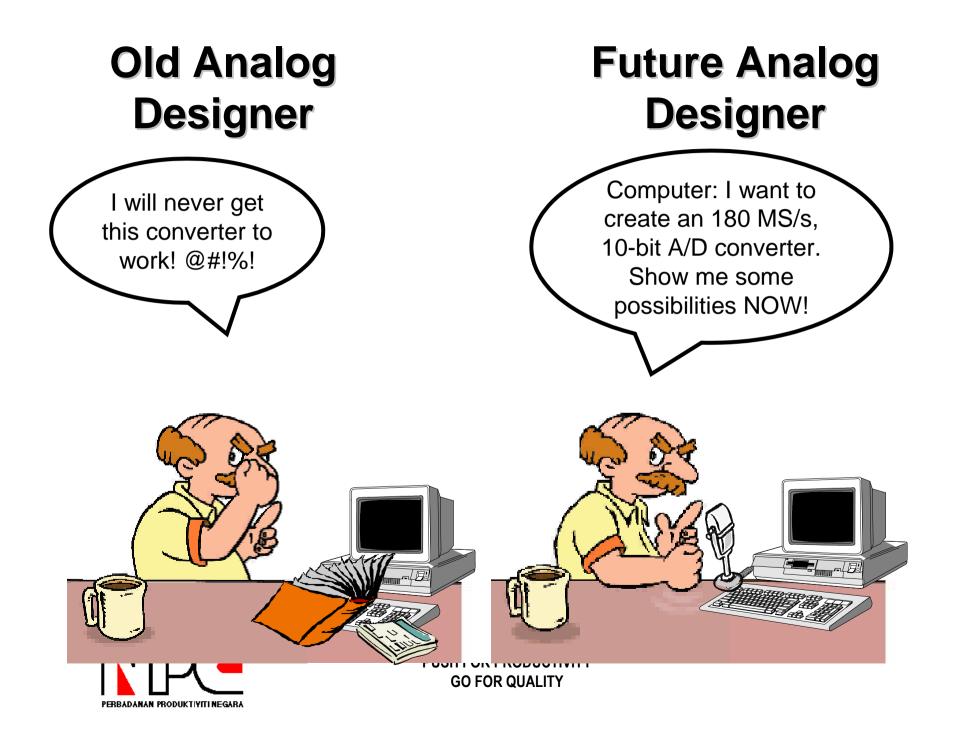
- Customer Satisfaction Survey
- Customer Day



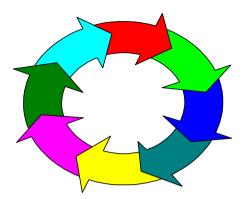
Continuous Improvement....







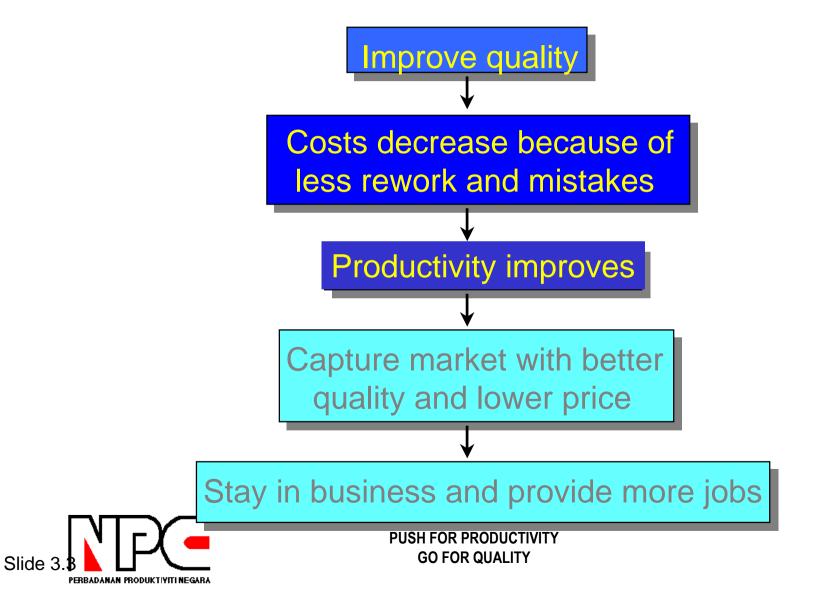
CONTINUOUS IMPROVEMENT



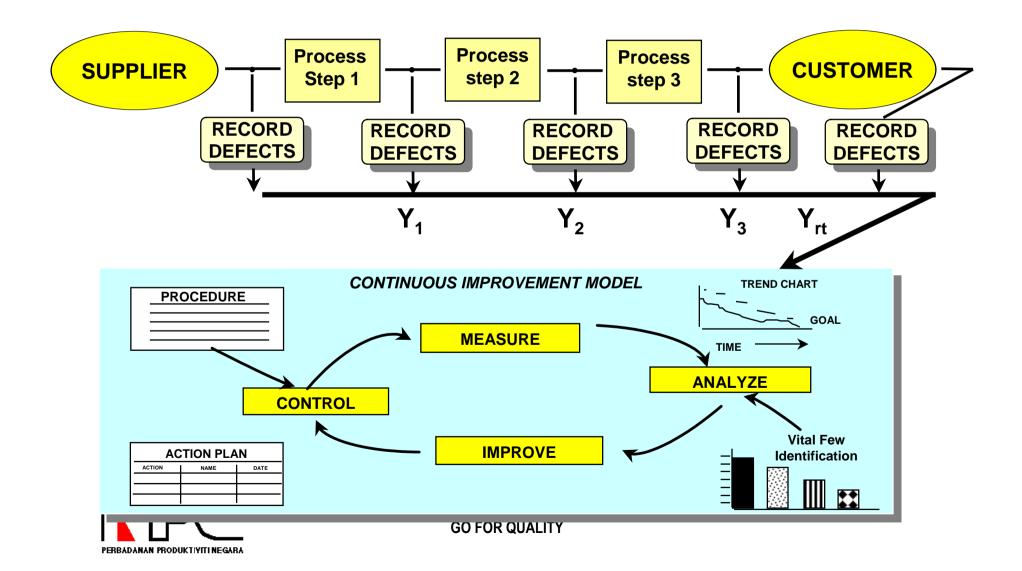
The continuous, ongoing effort an organization makes to *meet and exceed* its customers' changing expectations.



Deming Chain Reaction



Continuous Improvement



"QUALITY is both thinking why something is done, and why it is done that way; then thinking differently to improve it"

Mr. Ohno, Chairman of Toyota





"As long as you're green you're growing; as soon as you're ripe you start to rot" Ray Kroc, Mc Donald Founder



Worker Involvement ...



Issues Involved in Changing Organizational Culture

Managers who strive for excellence products and services understand that they must involve the keepers and holders of the culture, build on what all organizational members share, and teach new members how to behave.



"We involved our people from the very beginning...the implementation was achieved in record time...the company has changed the way it works"

Project manager, Mercedes Benz.





"An employee is our strategic - partner, a change - agent, an organisation builder, a process facilitator and above all, a champion -of - excellence."



The Real Lever of Excellence---People

- The last and the most important lever of excellence is the people of the organization
- Organizations are nothing but people....
- No initiatives is possible unless the people in the organization enact, support and sustain it.
- People Leader, Manager and Employees



"Corporations need to become people factories—places that develop people not human warehouses that only produce window watchers"

- A. William Wiggenhorn (Motorola University)



"The best way to have a good idea is to have a lot of ideas."

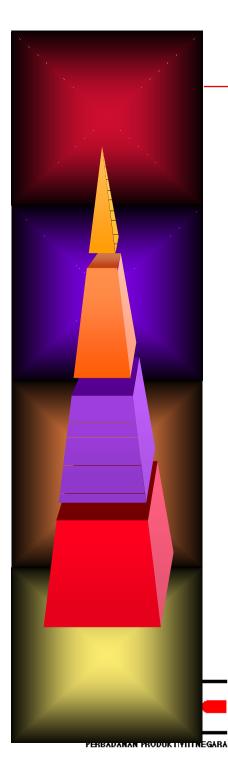
- Linus Pauling, 1958



Employee Involvement

- Cultural Change
- Customer-Centered View
- Teamwork
- Empowerment
- Individual Development
- Awards and Incentives





New Behavior

Control

Freedom

'Yes' we...

Vet and veto

Uncertainty

Hierarchy

Consultation

Clarity Team

. .

'Wait'

Buy-in 'Go'

REALISING G.O.D

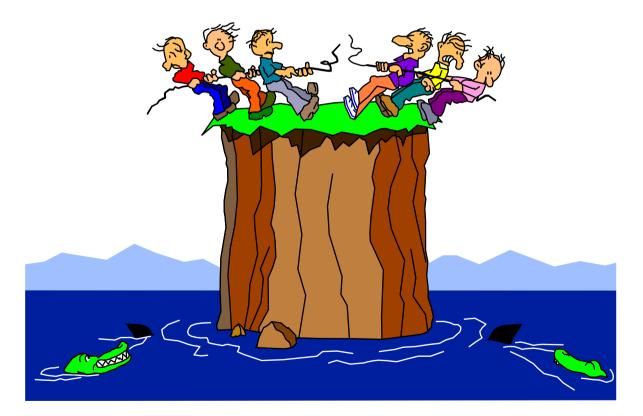
- When quality is missing, when market is down, when there is economic crisis, when there is a challenge and in all situations seek the GOD.
- GOD is the ultimate solution. GOD is the gate. GOD is the Guru. There is nothing, which GOD cannot solve. GOD is supremely capable. GOD can achieve success in difficulty.
- Depend on GOD. Surrender to GOD.



- GOD is G.O.D. G.O.D. is *Group*, *Organization and Direction*.
- Group is the greatest resource. There is no problem for which group cannot find solution. All solutions are within Group, which includes us. No one else can find solutions to our problems.
- G.O.D. is the solution. When Group is Organized and is with Direction it becomes supreme team and all is possible.



Teamwork takes practice





The Power of Teamwork

"There are many objects of great value to man which cannot be attained by unconnected individuals, but must be attained, if at all, by association."

- Daniel Webster



JURAN SAID...

"All quality improvement occurs on a project-by-project basis and in no other way."



I'm glad the hole is not in my end!



"QUALITY IS 90% ATTITUDE AND 10% KNOWLEDGE"

Dr. Juran

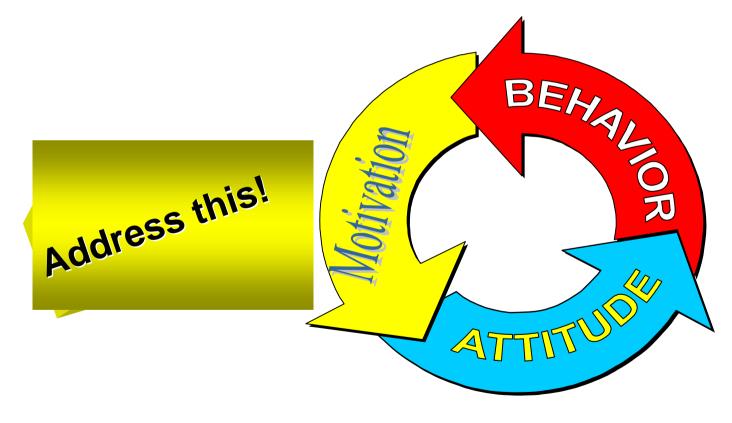


"Numbers and values. We don't have the answer here – at least I don't. People who make the numbers and share our values go onward and upward. People who miss the numbers and share our values get a second chance. People with no values and no numbers - easy call. The problem is with those who make the numbers, but don't share the values.... We try to persuade them; we wrestle with them; we agonize over these people."

> Jack Welch CEO, General Electric



What a person does is a function of what makes them happy....





Recognition is about finding people doing something right, and reinforcing that behavior by showing you appreciate it.

In most companies, staff find they get most attention from their manager when they do something wrong. Such companies have a *'blame culture'*. This do not work..



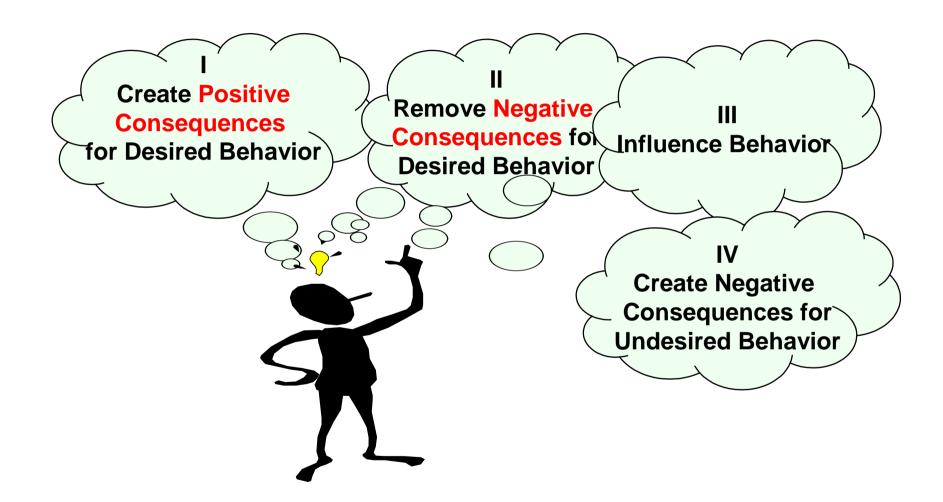
At the human level, there are all kinds of rewards and recognition that encourage and shape our behavior.

These include money, admiration of others, prizes, promotion, pleasing the boss, certificates, being trusted with more responsibility, medals, and so on.

Remember, the behavior that gets rewarded gets repeated.



The Recognition Strategies





Top Management Leadership ...



Senior Managers must recognize that the quality function is no more responsible for product quality than the finance function is responsible for profit and loss.

Quality--like cost and service--is the responsibility of everyone in the corporation, especially the CEO and top management. To achieve never-ending quality improvement, the CEO must be visibly and directly involved in the organization and quality improvement activity. Quality start at the top.



Unless the LEADER are committed to customer satisfaction, it's unlikely our staff will be.

If we consistently place other concerns (administrative, short term financial, etc) above customer-related considerations, our people will do just the same.





Remember to . . . Watch your definitions they become thoughts Watch your thoughts they become words Watch your words they become actions Watch your actions they become your destiny





This leadership style is a recipe for failure.



The journey towards excellence culture depends not on consultants or techniques but on making the strongest possible commitment to it....



Quality has to be designed in at every stage of the process....and the authority for that belongs firmly in the hands of management!





PUSH FOR PRODUCTIVITY GO FOR QUALITY

Management by Fact ...

Achieving company quality and goals requires making decisions based on reliable information and analysis of data.

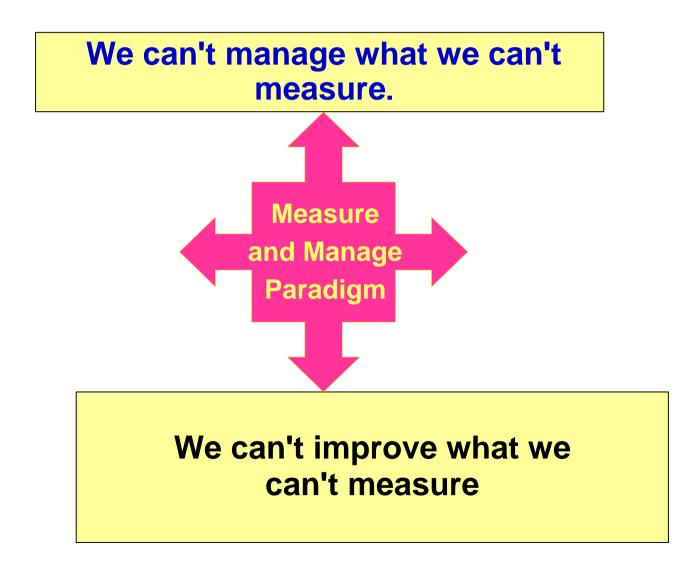
It is a key part of the infrastructure for TQM. The data collected must be realistic, measurable, actionable, reliable, quickly updated and easily assessable to all who require it.



"We don't know what we don't know We can't act on what we don't know We won't know until we search We won't search for what we don't question We don't question what we don't measure " Hence, Please Measure !

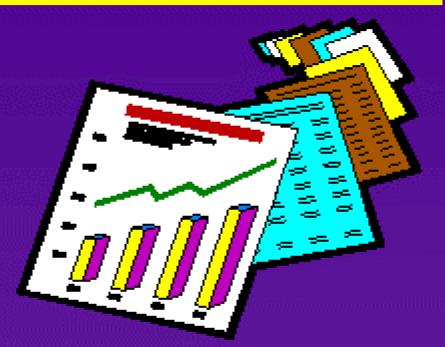


Measure & Manage Paradigm



What Areas Should Information Systems Address?

- Customer data
- **Operations data**
- Employee data



Supplier/partner/collaborative ally data

Financial performance data

Business Performance Measurement

- -- Some Statistics
 - "...Only one in ten dissatisfied customers complain. The other nine simply tell ten of their friends."

....Service America

"Companies can boost 85% - 100% profits by retaining just 5% more of their customers"

....Philip Kotler

Are we really measuring Customer Satisfaction?



Business Performance Measurement

-- Some Statistics

"Companies achieving higher levels of employee satisfaction than their rivals outperform them by 22% in terms of productivity, 38% in terms of customer satisfaction, 27% in terms of profitability and 22% in terms of employee retention"

Gallup, 1998.

Are we <u>really</u> measuring employee satisfaction?



Supplier Partnership ...

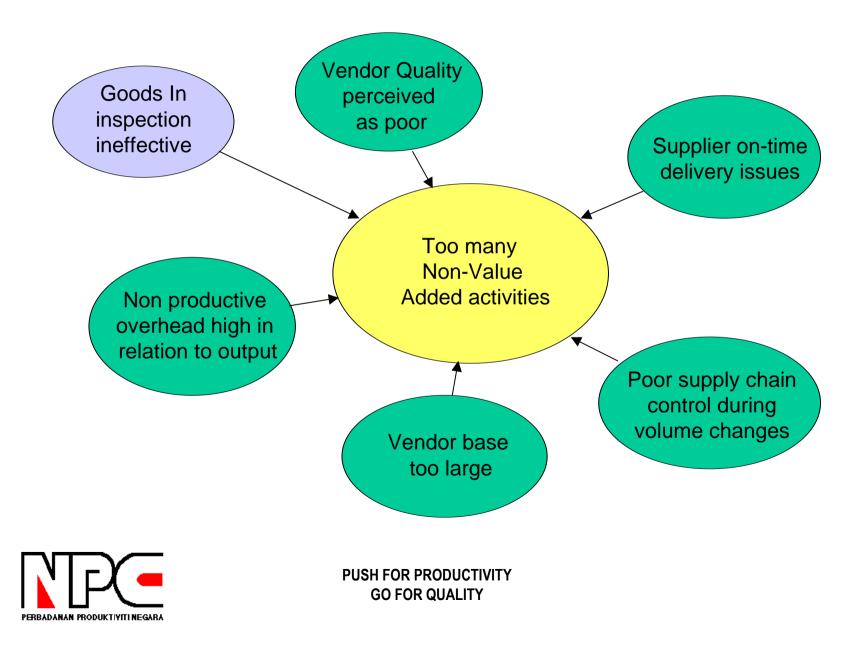


The net quality of a company's products depends on its own quality system and those of its supplier. Therefore, a necessary component of TQM organization is a total quality approach throughout the supplier network.

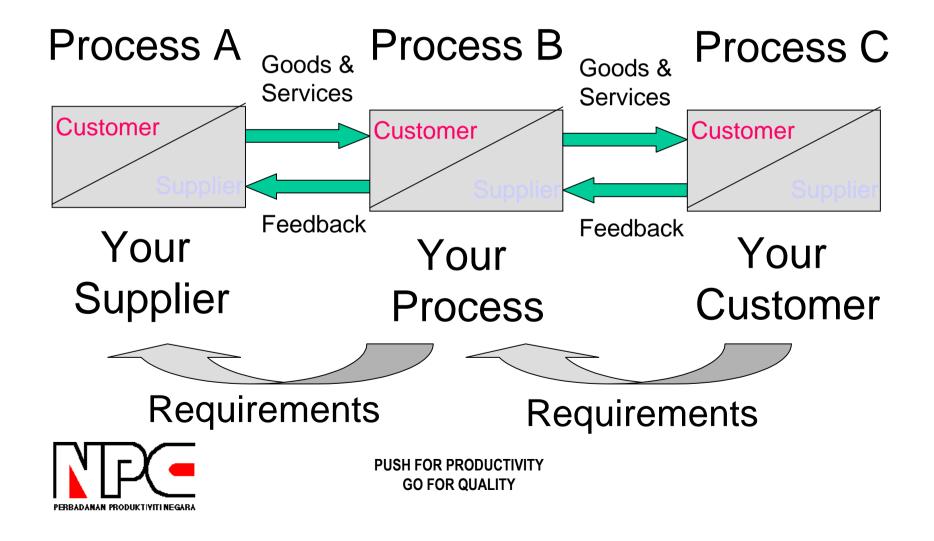
A **long term relationship and partnership** instead of the short term with the supplier is necessary as it might permit the blending of an organization's core competencies or leadership capabilities with the complementary strengths and capabilities of partners thereby enhancing overall capability, including speed and flexibility.



Supply Chain Improvement Issue



Customer Supplier model



Conclusion ...



WAY TO SUCCESS....

"DON'T JUST DIET FOR A WEEK OR TWO, CHANGE YOUR LIFESTYLE."



Future is in our Hand !



"Success is never final and TQM is a Journey"



PUSH FOR PRODUCT Winston Churchill GO FOR QUALITY



Thank you for your time. If you have any other questions, please feel free to contact me through my website at:

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