

Enterprise restructuring and improvement

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Plan of the presentation



- 1. Why, what and when restructurisation
- 2. Restructuring methods
- 3. How to conduct restructurization
- 4. Problems, effects observed
- 5. Conclusion

Restructurisation – radical change in at least one from the following dimensions of an organisation: scope of activity, structure of capital and an internal organisation of a company.

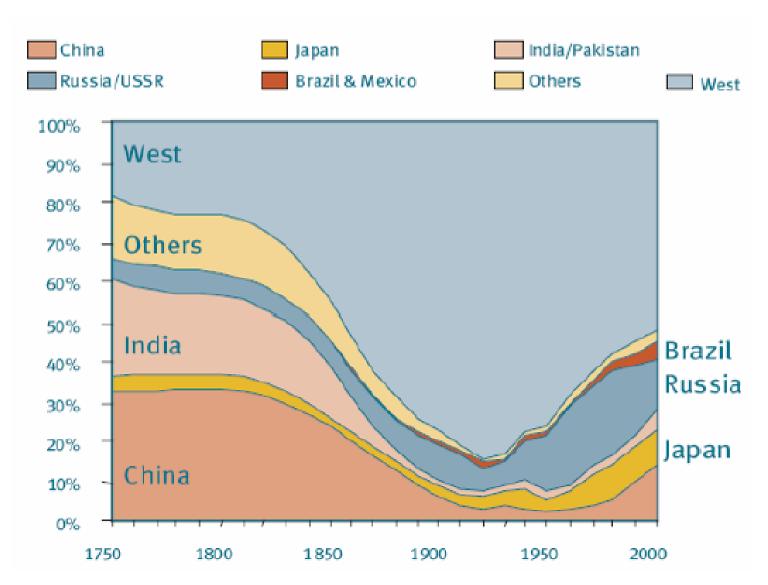
The goal of this change is to renew internal balance of an enterpise or (and) a balance with its environment.

The primary drivers of change are the demands of the marketplace

- The emergence of new technologies
- Swings in the economic cycle
- The rapid movement to a global economy

Competition is increasing in quality and quantity at a dramatic rate.

Economic Challenge



Output share from the first industrial revolution (around 1800) to the emerging global revolution

Arguments for enterprise restructuring

- external, triggered by factors determined environment conditions of an enterprise:
 - system changes of economy,
 - national and international competitors pressure,
 - changes in a global demand and its particular segments
 - changes in international trade relations
 - changes in economic policy, etc.
- -internal, determined by abnormality in enterprise functioning:
 - lack of general strategy
 - poor management
 - high costs
 - lack of sale strategy, etc.

Two types of enterprise restructurization

- Object restructurization system changes in the enterprise connected with technical (technological) product range transformation
- 2. Subject restructurization system changes in the enterprise connected with its legal and organizational transformation (eg. but not limited to ownership transformation).

Areas of enterprise restructuring:

- product restructurisation
- technical (technological) restructurisation
- property restructurisation
- financial restructurisation
- organizational restructurisation
- management restructurisation
- ownership restructurisation,

. . . .

Some features of restructuring (1)

Restructuring area	Possible actions	Some problems encountered
Financial restructurization	 -negotiations of credit conditions with banks -renegotiations of loan conditions - legal proceedings with creditors - conversion debts into shares 	-high bank and supplier liabilities- weak negotiation position with customers- poor credit capacity
Product restructurization	 change of product range and its adjustment to market needs launching of a new product changes in existing product range (eg.new package, product differentiation, market/price differentiation changes of sale channels and distribution 	 -Lack of financial resources to trial all procedings - lack of qualified staff - mistakes in motivation system (eg. in sale department)

Some features of restructuring (2)

Restructuring area	Possible actions	Some problems encountered			
Property restructurization	 expenses on returning property and their valuation expenses on preparing tender offer and property sale execution expenses on gaining possible foreign contractors negotiations with local authorities 	 to long process of (re-) privatisation recession on real estate market (high offer) lack of private capital resources unskilfulness of comapny management in looking after foreign capital lack of capital, difficulty in finding them to conduct necessary investments state of employee awareness; resistance against change 			

Main stages of enterprise restructuring

- 1. Analysis and diagnosis,
 - 1.1. Preliminary assessment
 - 1.2. Financial analysis
 - 1.3. Environment (external) analysis
 - 1.3. Internal analysis
 - 1.3. Assessment of current condition
- 2. Goal formulation
 - 2.1. enterprise mission
 - 2.2. strategic goals
 - 2.3. detailed goals
 - 2.4. Development of a restructuring plan
- 3. Methods of goals achievement
- 4. Implementing restructuring plan
- 5. Controlling and correction actions

Business Process Reengineering Business process improvement

Total Quality management Statistical process control

Strategic planning Deming cycle: plan-do-check-act

Statistical thinking Profound knowlewdge

Measurement kaizen

Self-managing teams Hoshin Kanri

Total employee involvement benchmarking

Taguchi methods design of experiments

Just-in-time inventory management 7 tools of quality

Theory of constraints learning organisation

Systems thinking theory of knowledge

Theory of psychology gainsharing

Vendor partnership customer-driven focus

White-collar productivity downsizing

Organizational redesign leadership

BUSINESS PROCESS REENGINEERING (1)

Business Process Reengineering (BPR) is

"the fundamental rethinking and radical redesign of business processes to achieve dramatic improvements in critical contemporary measures of performance, such as cost, quality, service and speed".

(Hammer M., Champy J., Reengineering the corporation.

A manifesto for business revolution, Harper Business, New York 1993).

- Rethinking must be fundamental, therefore BPR begins with no assmptions and no givens, and takes nothing for granted. It ignores what is and concentrates on what should be. Before asking how to do an operation more effectively, it asks whether that operation needs to be done at all.
- **Redesign must be radical**. Re-engineering is about business reinvention not business improvement, enhancement or modification.
- *Improvement should be dramatic*, therefore BPR is the opposite of systematic incremental improvements, and should be used only when dramatic improvements are needed and possible.
- **BPR focuses on processes**, not on tasks, jobs, people, structures or units. It regards a business process as a "collection of activities that takes one or more inputs and is of value to the customer". It eliminates tasks that were invented to satisfy internal demands of the company's own organization and have nothing to do with meeting customer needs.

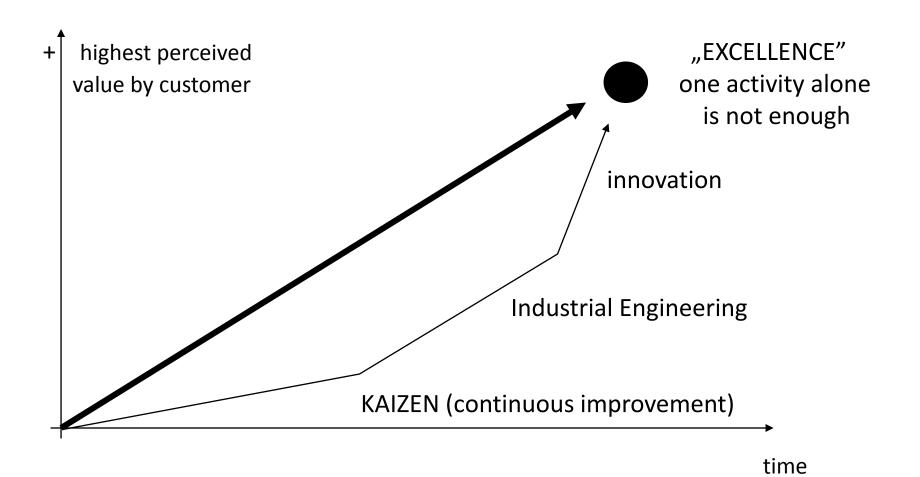
BUSINESS PROCESS REENGINEERING (3)

Hammer and Champy point out that BPR approach is of interest to three kinds of companies:

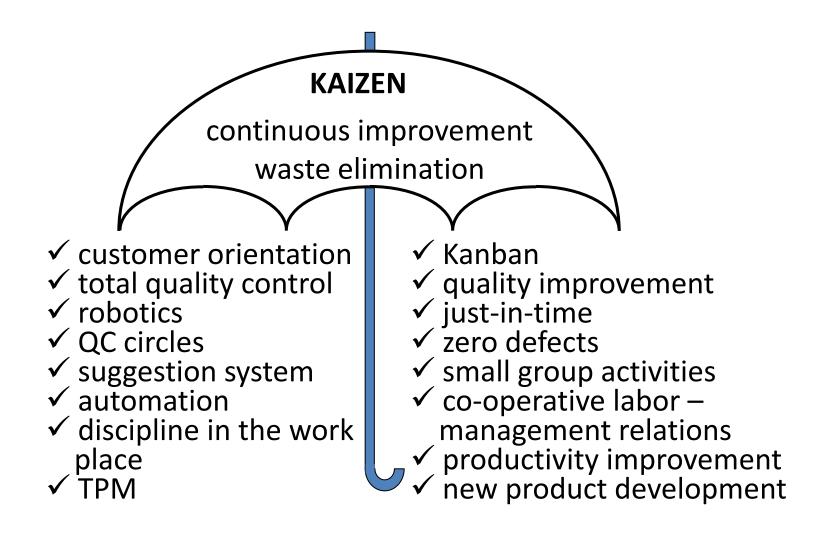
- 1. Companies that are in deep trouble and have no choice,
- 2. Companies that see trouble coming and have the vision to start re-engineering in advance of running into adversity
- 3. Companies that perform very well, but their ambitious and aggressive management chooses to re-engineer in order to "raise the competitive bar even higher".

The use of state-of-the-art information technology is a key characteristic of BPR and can even trigger off a re-engineering effort.

TARGETS AND OBJECTIVES OF CONTINUOUS IMPROVEMENT



KAIZEN – an umbrella



Lean Management Principles

- define value of a product (or service) from the customer viewpoint and its needs
- identify value stream for every product
- assure continuous (smooth, with no breaks)
 production flow
- implement pull control mechanism
- assure perfect product quality and customer service
- continuous improvement

Waste elimination - MUDA

Waste - every activity of a human, which results in consuming of resources without adding value.

- KAIKAKU radical (step) changes (innovations)
- KAIZEN continuous improvements
- priority 1 : activities that do not build value and that can be immediately eliminated
- priority 2 : activities that do not build value but they are difficult to eliminate (eg. due to the technology used)

Productivity ≠ production Productivity ≠ profitability

Productivity means:

1. Relationship between produced (and selled) products (system outputs) and factors used in production system or used in production of products (system inputs):

Productivity means also:

- 2. Specific feature of a production system,
- 3. Any productivity measure as in (1),
- 4. One from many measures of production system effectiveness

Productivity can and should be measured:

- for defined production system
- regarding certain factor used in that production system

Why productivity matters?

- builds competitive position,
- improves operations,
- motivates performance.

Reasons for measuring productivity:

- 1. Provides an information for goal setting and for monitoring of achievement performance
- 2. Measurement can reveal problem areas that would not otherwise be visible,
- 3. Measures make possible comparision between different companies, plants, their organizational units and work places.
- 4. People work for what counts. With productivity measures in the bottom line for all jobs and organizational units, productivity will be one of the performance measures that counts
- 5. Productivity measures can be a source for learning and for participation. Developing and employing measures can provide a way for drawing on and motivating all company resources

We can't fix what we don't see
Measures make productivity visible

GENERAL FORMULA:

COMPANY MEASURES:

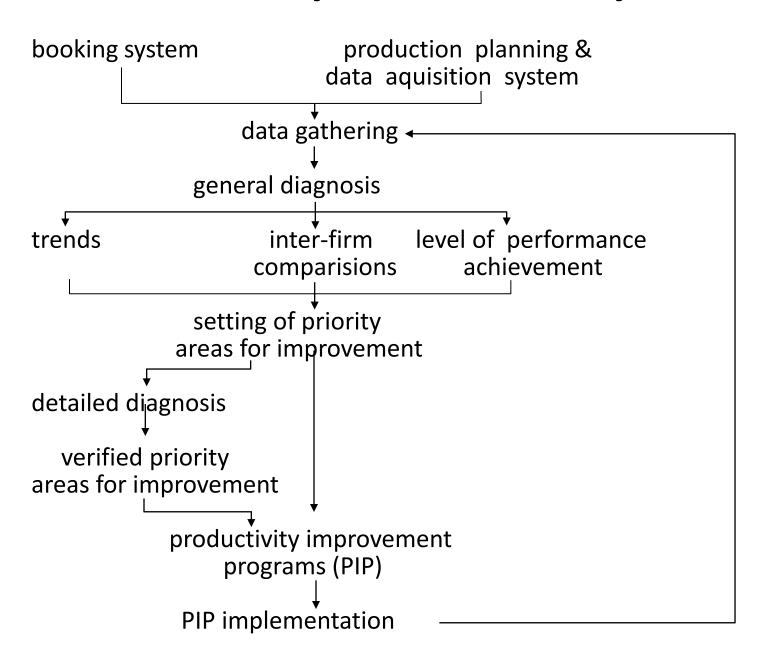
OUTPUTOUTPUTOUTPUTLABOR INPUTMATERIALS INPUTENERGY INPUT

OUTPUTOUTPUTSALESALARIESCAPITAL INPUTALL INPUTLABOR HOURSSALE

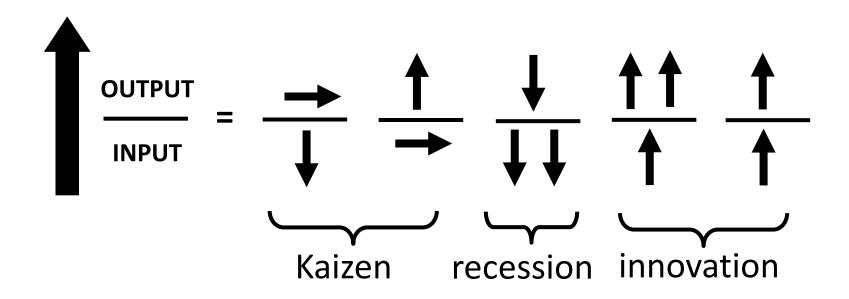
SHIPMENTS
DIRECT LABOR+INDIRECT LABOR+MATERIALS

PRODUCTION AT STANDARD PRICE
LABOR+MATERIALS+OVERHEAD+CAPITAL INVESTED

Productivity measurement system



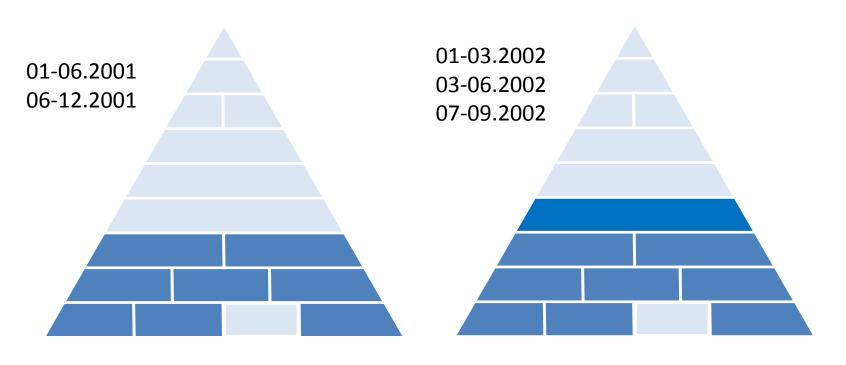
Productivity improvement approaches





operational decisions spin-off of logistic activities model of exterlean management, lean managenal services and ment, employment structure supply, outsourcing restructuring restructuring of restructuring motivation of current current assets of fixed assets systems liabilities

Example of observed restructuring effects

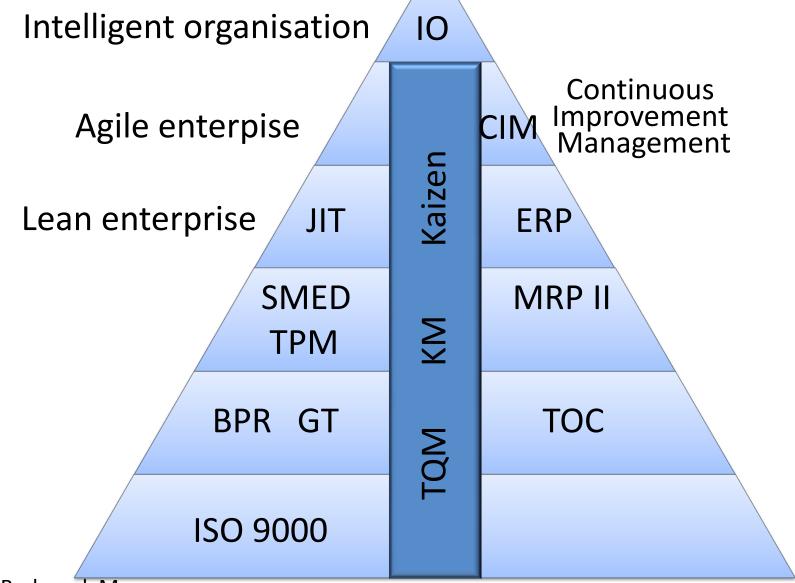


	01-06.2001	07-12.2001	01-03.2002	04-06.2002	07-09.2002
EBIT	-3653	-1155	-524	-631	+327
EVA	-4244	-1295	-594	-678	+28.4
EVA/Kw	-61%	-55%	-25.5%	-39.7%	+0.7%



Model of continuous improvement management





Source: Bednarek M.

Some barriers to enterprise improvement:

- 1. Resistance to Change:
 - work force
 - supervisors
 - managers
- 2. Poorly Designed Programs:
 - fuzzy problem definition
 - lack of clear strategy
 - lack of management commitment
- 3. Lack of Incentives for changes (mprovement):
 - short-term focus
 - no reward for risk-taking
 - cost plus pricing
- 4. Flawed measurements of performance:
 - total versus partial performance measures
 - real versus financial impact
 - comparative versus absolute scores

Continuous improvement – what is needed?

- ✓ Clear vision, strategy
- ✓ Leadership
- ✓ Employee empowerment
- ✓ Team (group) work
- ✓ Training, training, training
- ✓ Support from management
- ✓ Support for the groups

PRODUCTIVITY - POLISH EXPERIENCE (1)

- The idea of promoting productivity movement in Poland appeared in 1990. Representatives of Polish government have been suggested to accept Japanese assistance in Creating National Productivity Centre.
- The Ministry of Industry and Trade and ZETOM Centre, Warsaw organised first promotional seminars held by Japanese experts. At the same time, a series of training courses for Polish experts and managers have been developed. Since then over 200 trai-nees visited Japan.
- In the middle of 1991 a group of Polish experts of UNO developed first project of productivity movement implementation in 500 Polish enter-prises. The Ministry of Labour and Social Affairs agreed to support this initiative and in the beginning of 1992 POL-SENZ the association of the UNO experts in Poland, decided to promote the project.
- At the same time, The Association of Polish Engineers SIMP and its R&D centre ZORPOT using the help of Swedish government completed a project "Productivity for Poland" in several plants and a hospital.
- In January, 1993 started Productivity Improvement Pilot Program. It consists of seminars and workshops for top and middle management, unionists and experts. Over 130 companies participate systematically in the program. By the autumn 1994 about 25 companies participating in the Program reported remarkable improvement of their economic and social condition.

PRODUCTIVITY - POLISH EXPERIENCE (2)

- On January 20, 1994, Foundation Polish Productivity Centre has been established by the Minister of Trade and Industry and 53 individual Founders. Its main objective, as expressed in the Foundation's Statute is:
- " ... to improve the quality and standard of life in Poland through the improvement of productivity in industry, services and other sectors of national economy as well as to promote the cooperation between the representatives of the governmental and local administration, employers, employees and trade unions in the field of productivity".
- The Foundation is non-profit organisation. It attempts to use the rules of productivity movement as the basis of the processes of management restructuring.
- The Foundation established 9 Regional Productivity Councils.
- In the first stage over 260 companies joined the productivity movement. All the programs of Polish Productivity Centre were highly donated by Polish-Japanese Cooperation Fund.

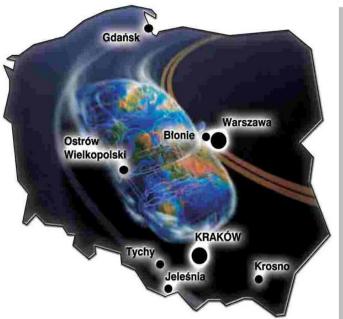




INDICES OF SOLD PRODUCTION OF MANUFACTURING INDUSTRY IN POLAND

2006 2007 2008 2009 2007 2008 2009

	prev	previous year=100)	2005=100		
Manufacture of basic metals	116,1	109,8	97,0	74,5	127,5	123,7	92,2
Manufacture of metal products1	121,7	114,7	108,7	91,1	139,6	151,7	138,2
Manufacture of computer, electronic and optical products 1	L41,7	135,5	101,2	118,1	192,0	194,3	229,5
Manufacture of electrical equipment1	120,6	129,0	115,9	105,7	155,6	180,3	190,6
Manufacture of machinery and equipment n.e.c	119,7	113,9	110,6	90,6	136,3	150,7	136,5
Manufacture of motor vehicles, trailers and semi-trailers 1	121,0	114,2	107,4	87,8	138,1	148,3	130,2
Manufacture of other transport equipment 1	.09,7	105,0	113,0	94,6	115,2	130,2	123,2
Manufacture of furniture	10,0	109,5	104,1	99,8	120,4	125,3	125,0
Other manufacturing	.01,3	117,3	116,3	91,9	118,8	138,2	127,0



Delphi plant in Błonie



Evaporative canisters

Rectangualar canisters I (old line)



Rectangular canisters II (new line)







MRA



LEGR



Euro 5



MVRV DV4



MVRV DV6



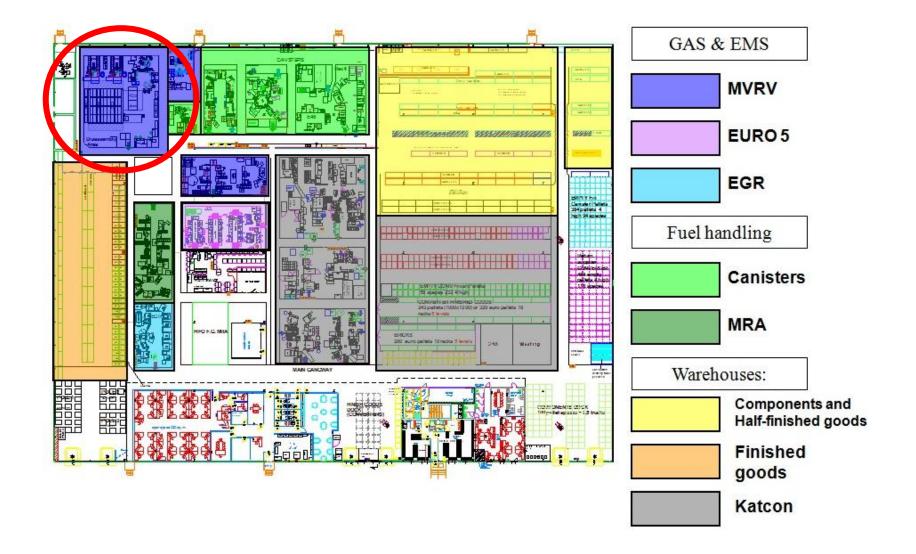
Common MVRV





General view of a plant



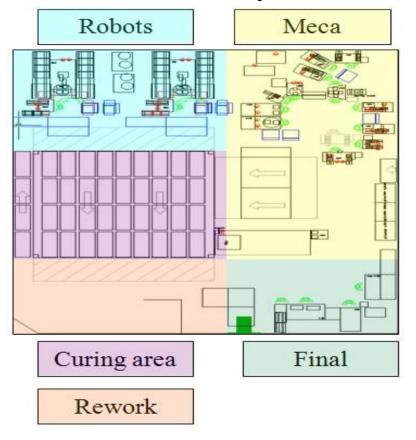


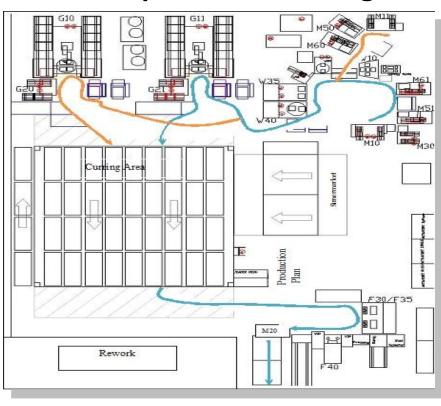


Restructuring / improvement area



Overview of Common production line. One piece flow of Single

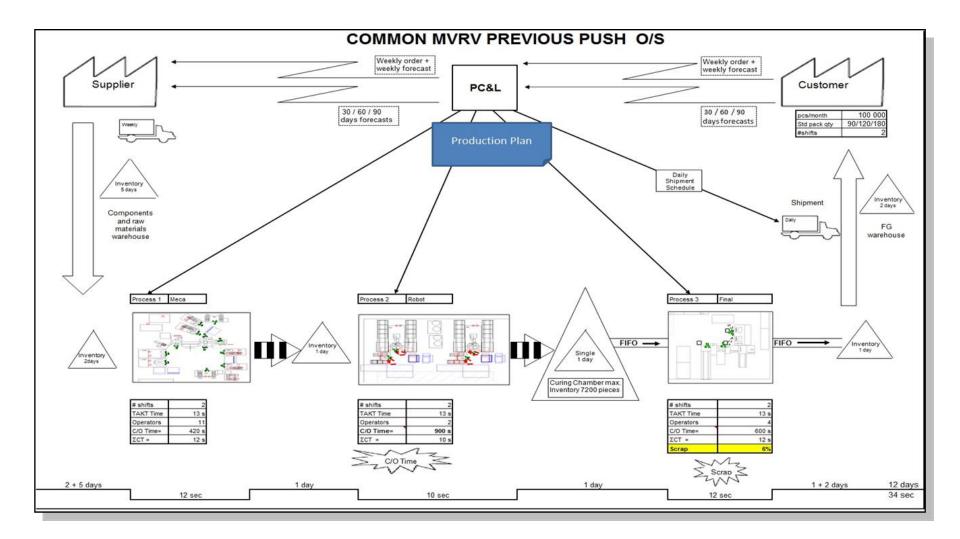








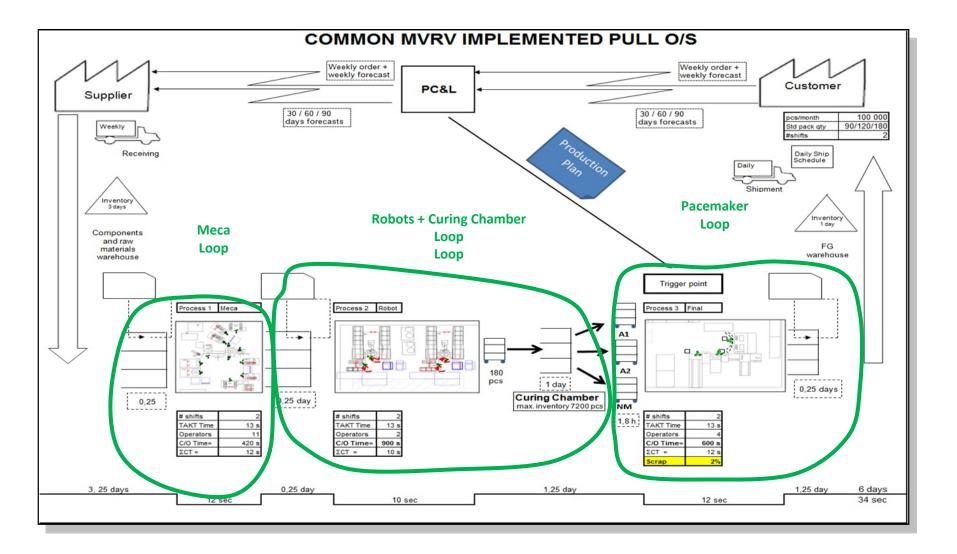






After improvement









Significant role of industrial managers in programing, developing and implementing restructuring projects.

Restructuring is a complex, interdisciplinary task.

System aproach integrating finacial, engineering, management, social aspects.

What and how to teach / train students in above topics ?.