



# **SNS COLLEGE OF TECHNOLOGY**

(An Autonomous Institution)

COIMBATORE-35.



- Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A++' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.

## **DEPARTMENT OF AUTOMOBILE ENGINEERING**

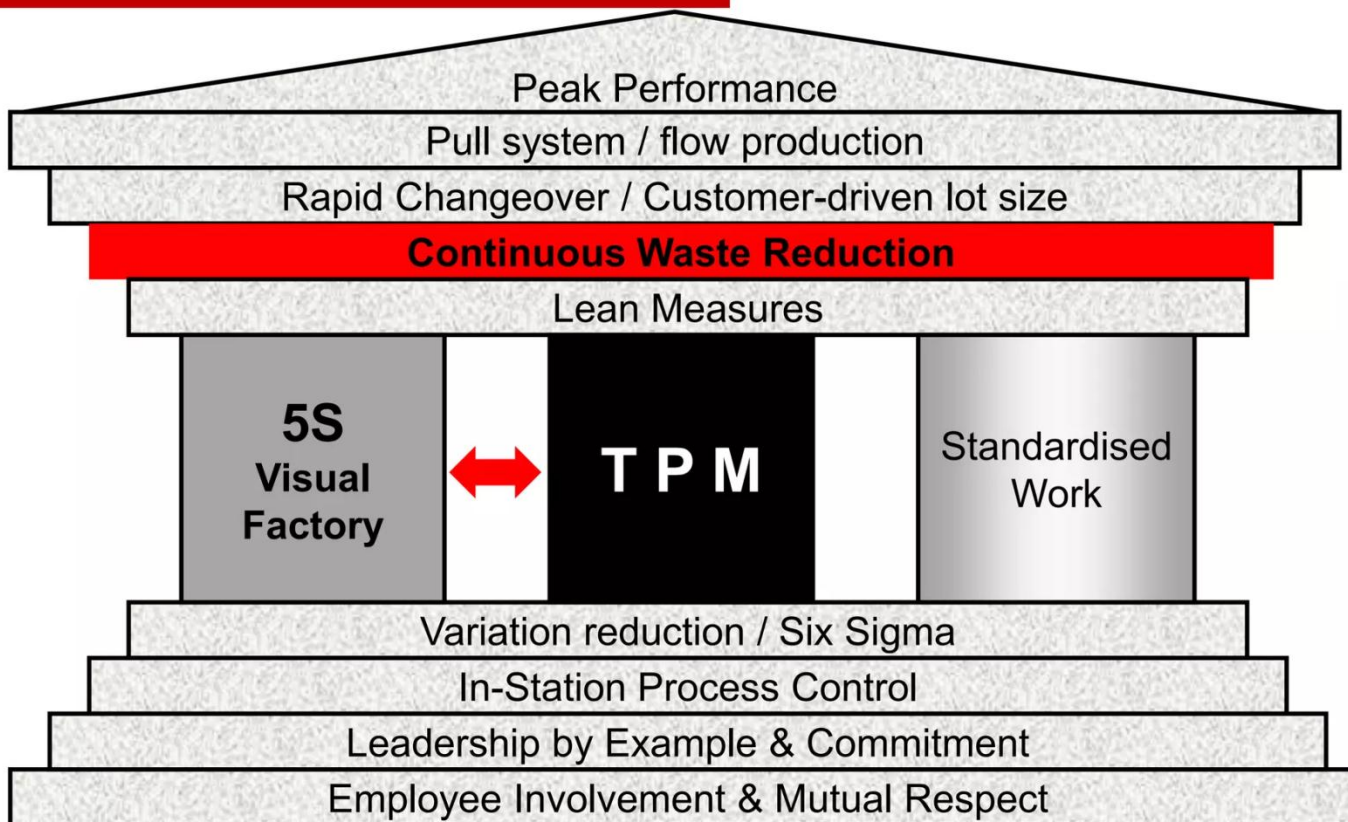
### **COURSE NAME : 19AUZ405 – LEAN MANUFACTURING**

**IV YEAR / VII SEMESTER**

**Topic – Implementation of TPM**

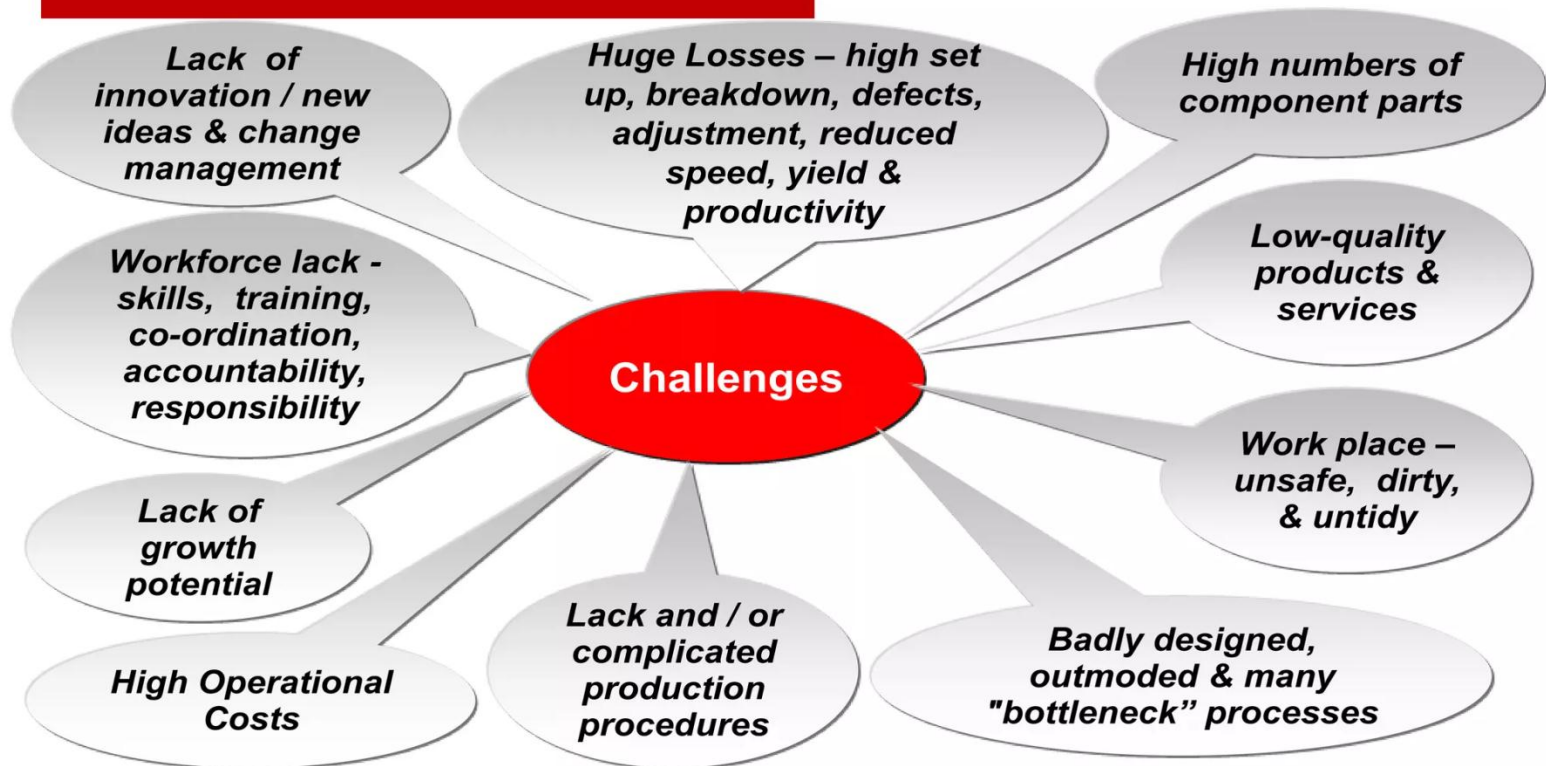


# Lean System





# Current Challenges





# TPM

## Total

All encompassing by maintenance and production individuals working together

- All employees are involved
- Aim - to eliminate all accidents, defects and breakdowns

## Productive

Production goods and services that meet or exceed customers' expectations

- Actions are performed while production goes on
- Production challenges are minimised

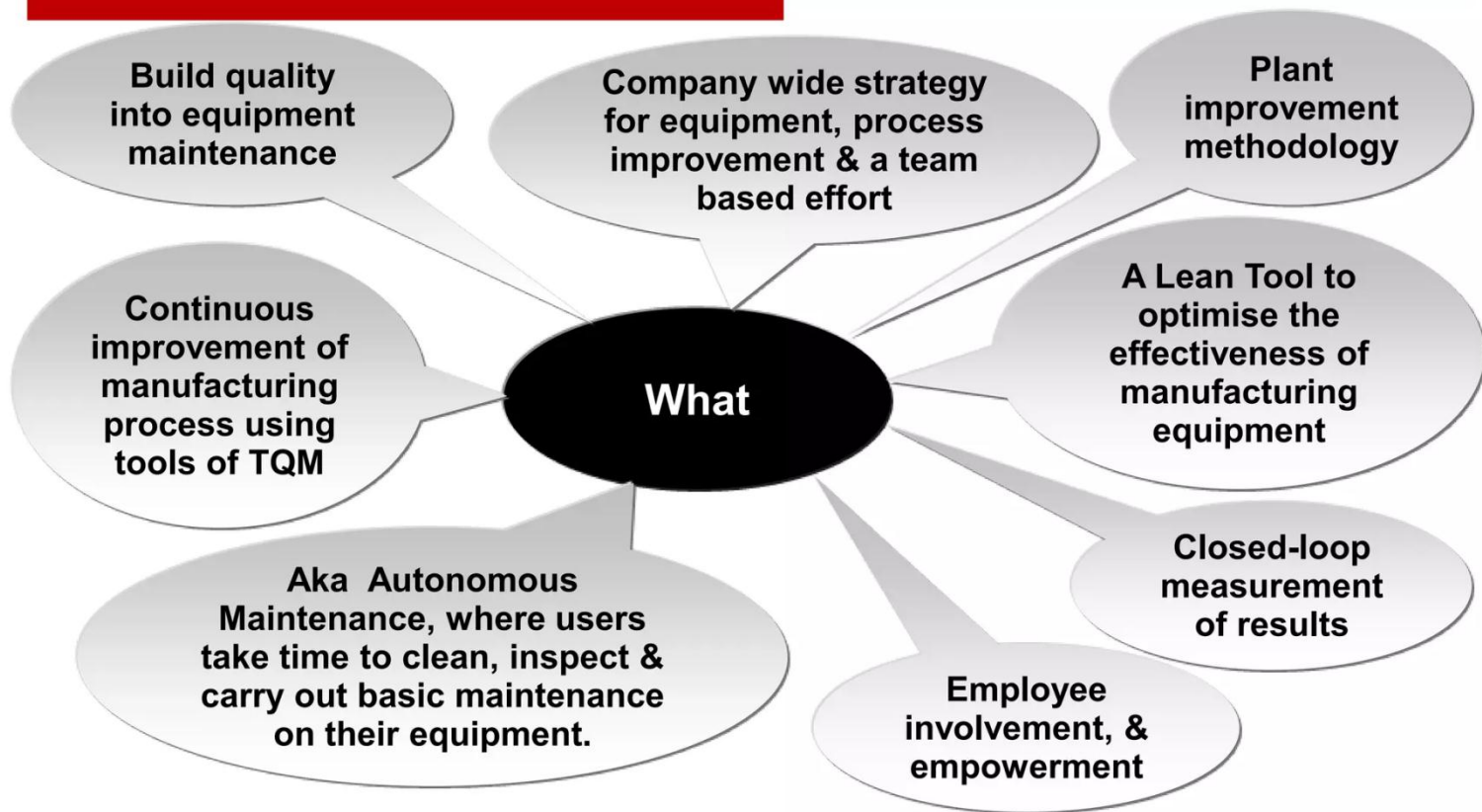
## Maintenance

Keeping equipment and plant in as good as or better than the original conditions at all times

- Keep in good condition
- Repair, clean, lubricate



# TPM - What





## TPM - Why

### Organisation

- Higher Overall Equipment Effectiveness
- Less “firefighting” to repair machines
- Lower operating costs
- Better able to meet commitments to customers
- Improved ability to compete in the world marketplace

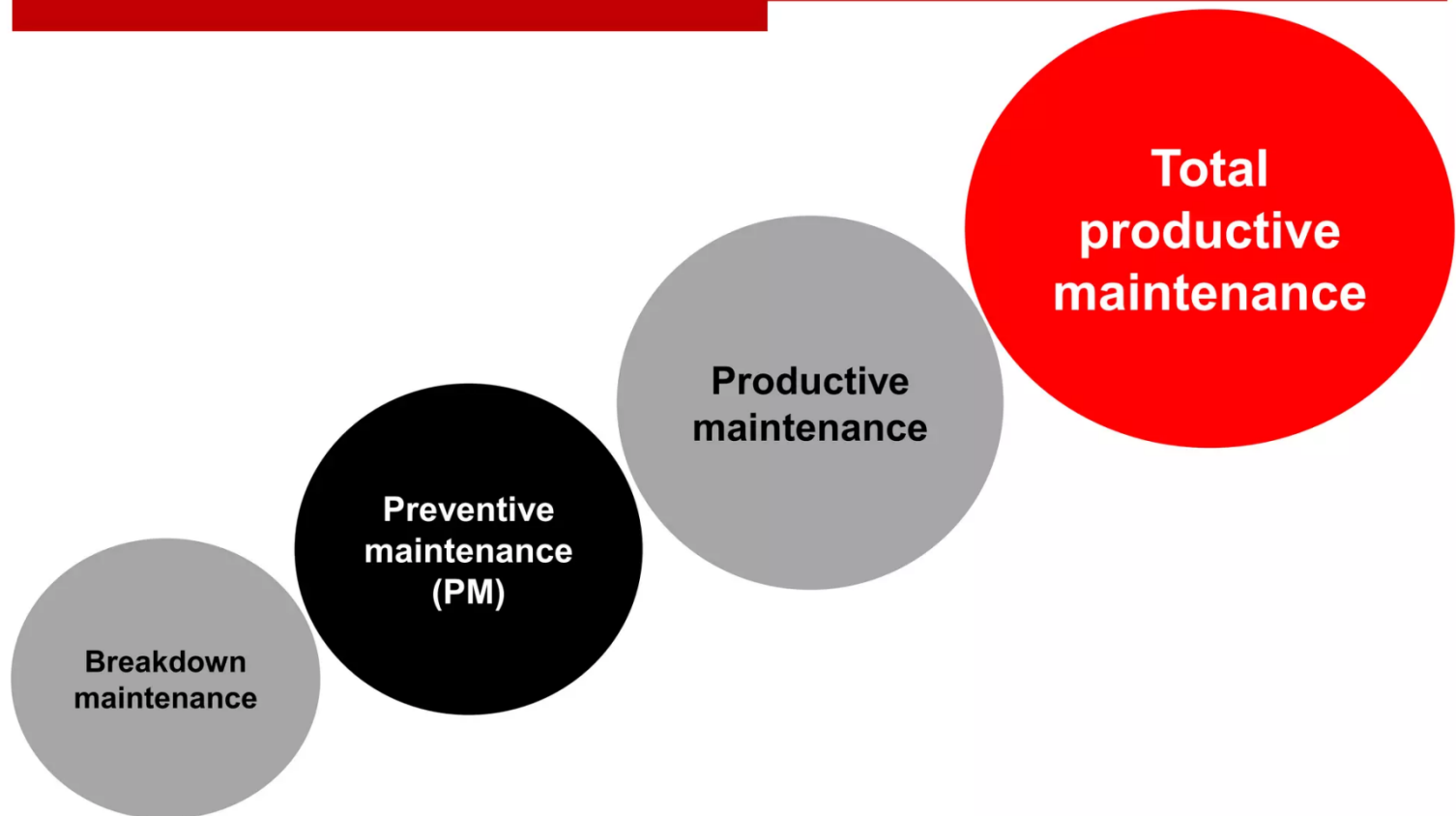
### Employees

- Less pressure on maintenance for urgent repairs & on production to recover from breakdown losses
- Better cooperation between maintenance, production, and other departments
- Reduced chance of accidents
- Higher job satisfaction & improved job security



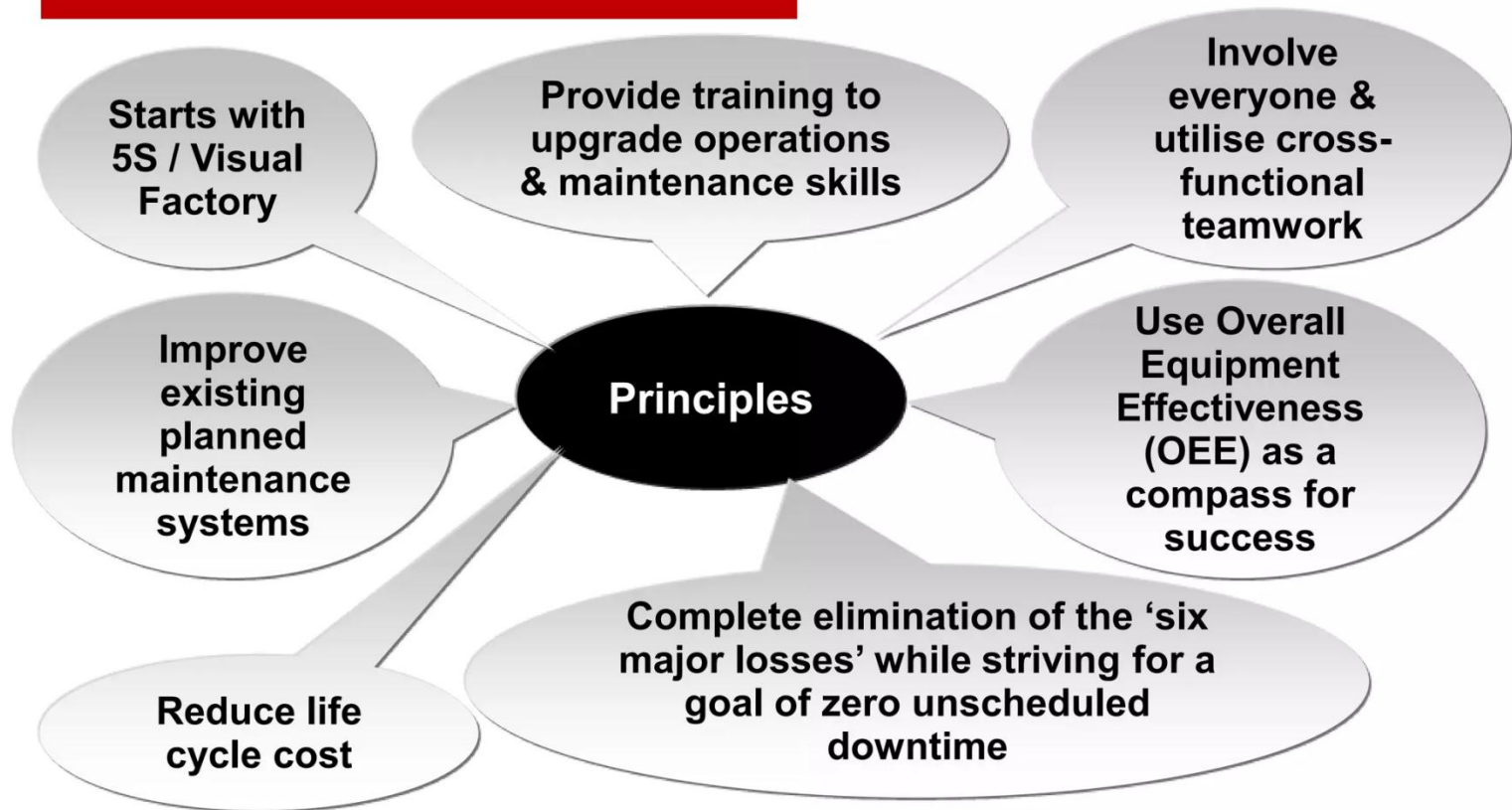
# TPM - Evolution

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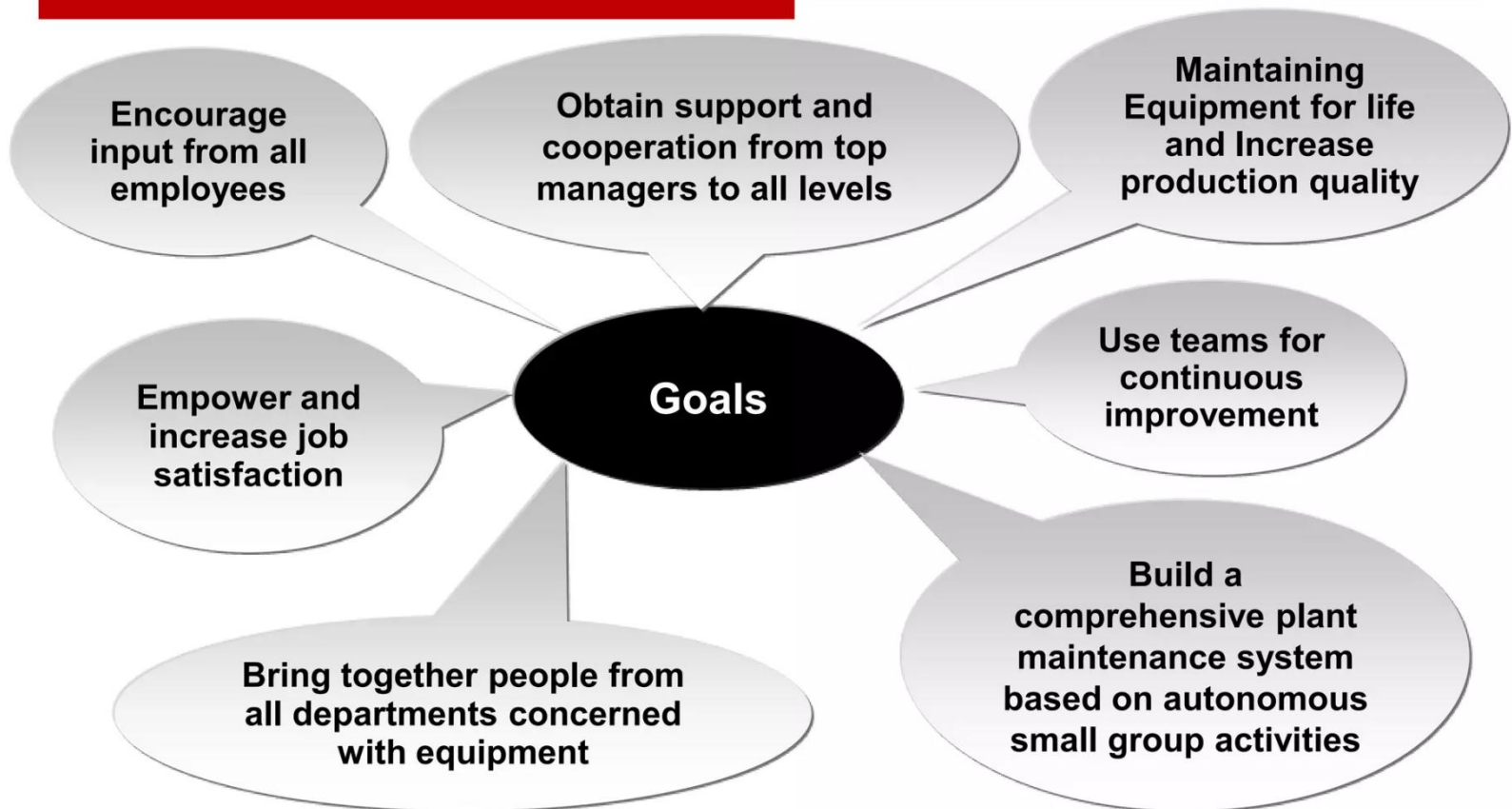
# TPM - Principles





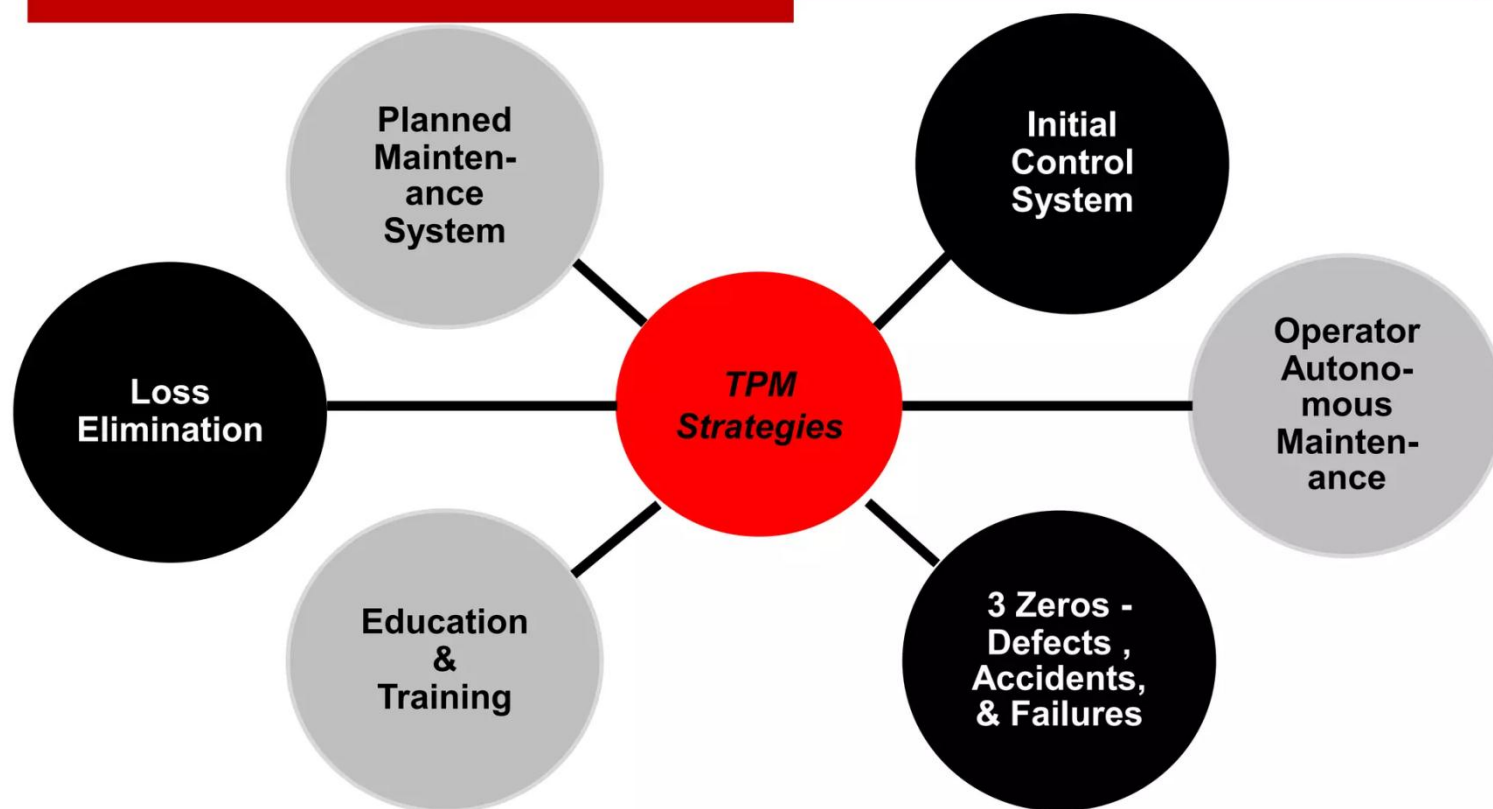


# TPM – Goals



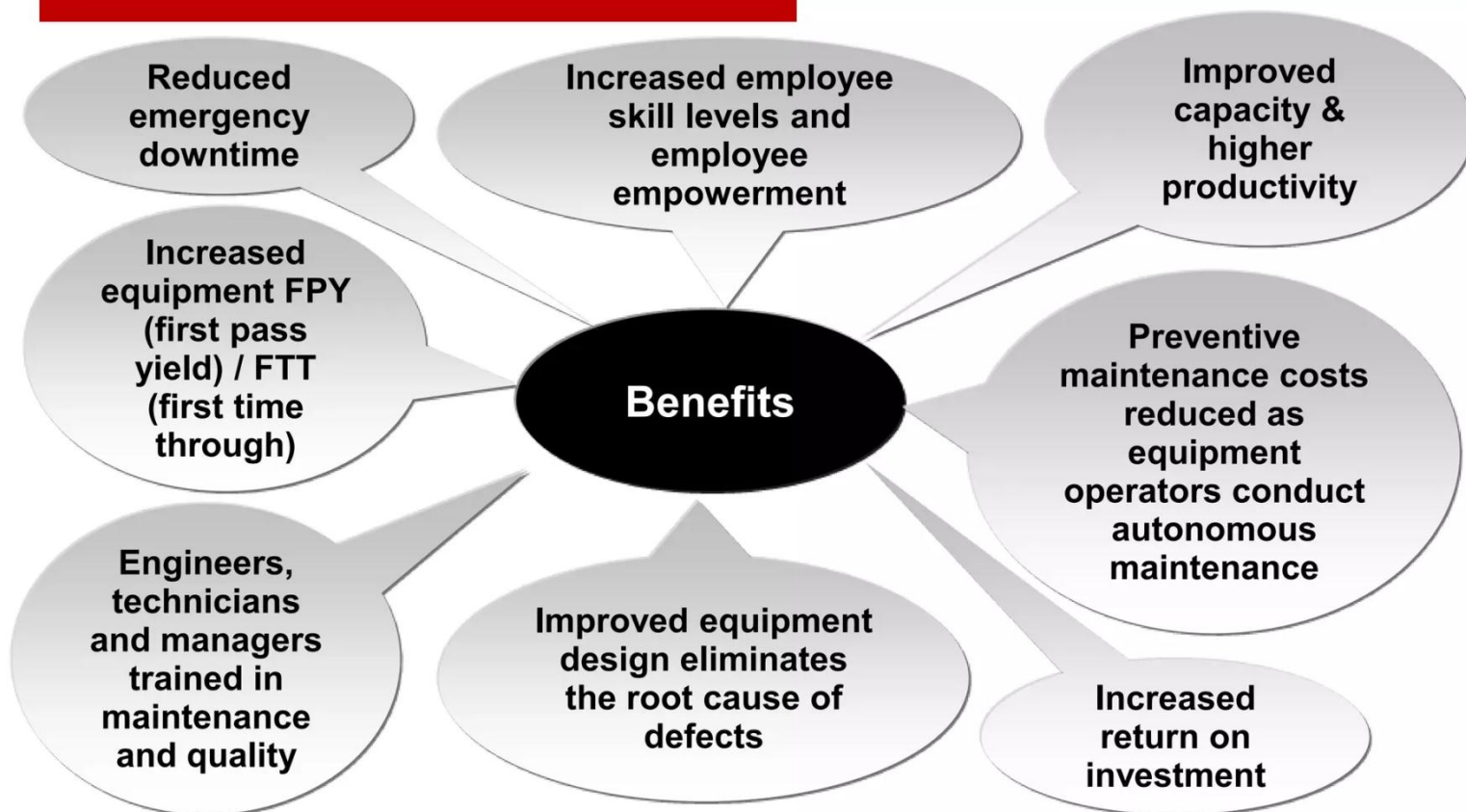


# TPM - Strategies





# TPM - Benefits





## TPM – Measures

### Short Term

- Establish an autonomous maintenance program for “x” machines
- Increase OEE by “y”% within for individual work centers

### Long Term

- Reach a plant OEE of 85% within 3 years (world class is considered 85% +)



*Thank You !*