



# **Re-engineering & Best Maintenance Practices**

**A Keynote Address**

# Computerised Maintenance Management System (CMMS)

It is an expensive but useful single window facility that can deliver:

- Upto-date Technical documentation & procedures concerning all plant and machinery
- Detailed maintenance procedures and warranty information
- Spare parts & materials inventory control with automated re-order capability
- Historical tracking of all maintenance activities
- Capital and labour cost tracking

And so much more.

# engineer

## 1. (noun)

used to describe one who uses scientific knowledge to design, construct, and maintain engines and machines or structures.

*chemical engineer, civil engineer, electrical engineer, mechanical engineer, instrument engineer*

## 2. (verb) [usually passive]

used when a machine or structure is planned and constructed using scientific methods.

*Many of Kuwait's spacious freeways were engineered by W S Atkins.*



## 3. (verb)

used when an event or situation is organised to happen, in a clever or indirect way.

*Some people believe his murder was engineered by the King.*

# engineering

noun

1. the art or science of making practical application of the knowledge of pure sciences, as physics or chemistry, as in the construction of industrial plants.
2. the action, work, or profession of an engineer.
-  3. in digital technology, the art or process of designing and programming computer systems. e.g software engineering.
-  4. skillful or artful contrivance; maneuvering.

## re-engineering

noun

- ★ 1. the restructuring of a company or part of its operations, esp. by utilizing information technology

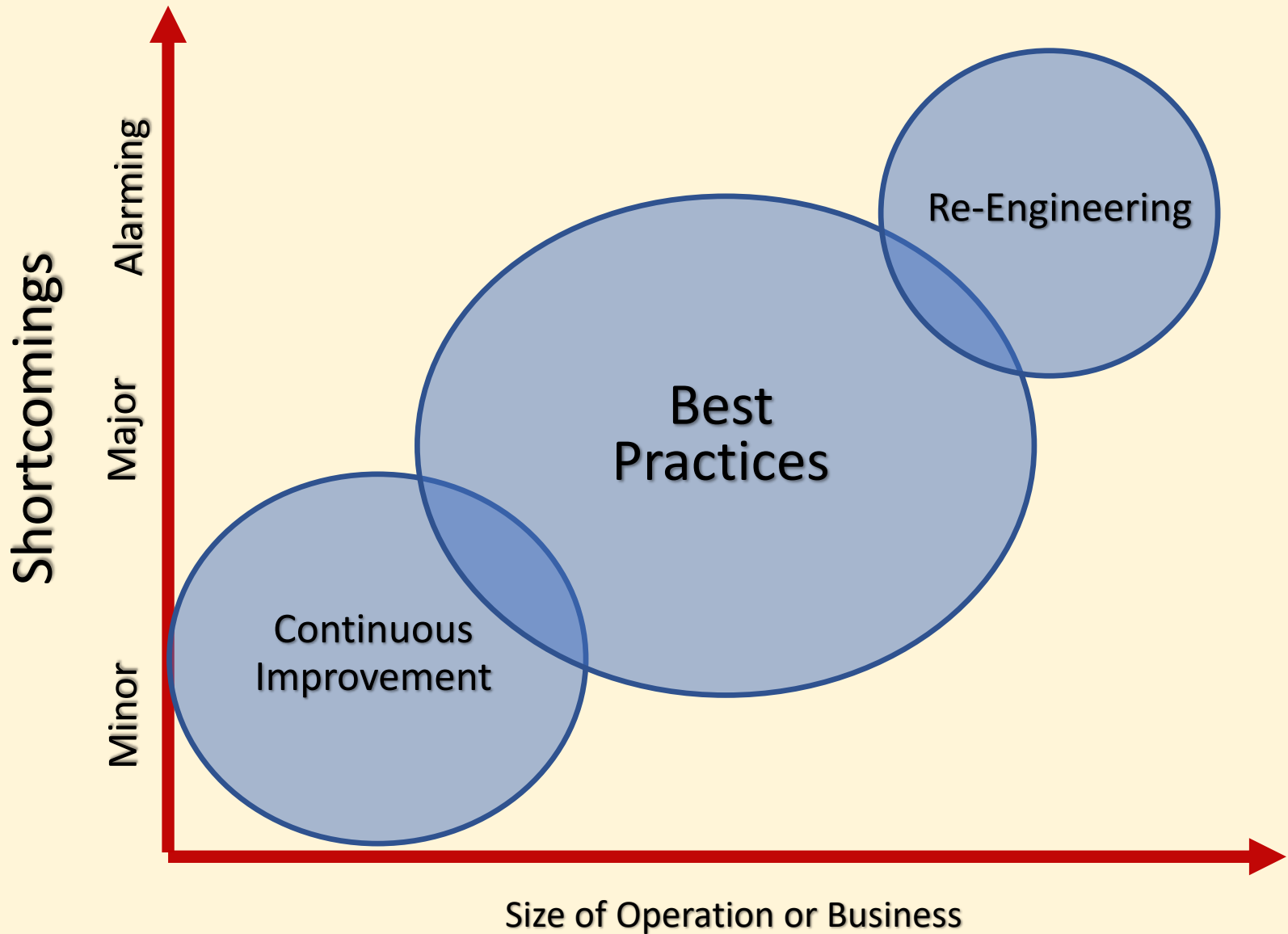
What about an engineer's engineering?

# Re-engineering - MACHINES or METHODS ?

**Machines:** redesigning components, sub-assemblies or the entire machine itself.

**Methods:** reorganising the structure and sequence of operations so as to improve efficiency. Bring about changes in "WHO is to do WHAT, WHEN and WHERE."

# Different Solutions & Their Domains



# What is a Best Practice ?

A best practice is:

- known to produce superior results
- selected by a systematic evaluation process
- adjudged commendable, reliable, and well demonstrated.



# **There Is No Solitary Best Practice**

Every Best Practice can be unique in itself:

- different business objectives
- different work cultures
- different products and markets
- different surroundings
- Different scale of operations  
and above all
- different technologies.

Best practices have to be selected and customised to be appropriate to each own unique situation.

# What A Best Practice Is Not

A Best Practice is not:

- anything perfect
- anything superlative
- anything everlasting.

It simply refers to a practice which a professional fraternity currently considers “state of the art”.

It is a dynamic concept whose periodic review is an ongoing process.

**Thank You**