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**Asset Management**

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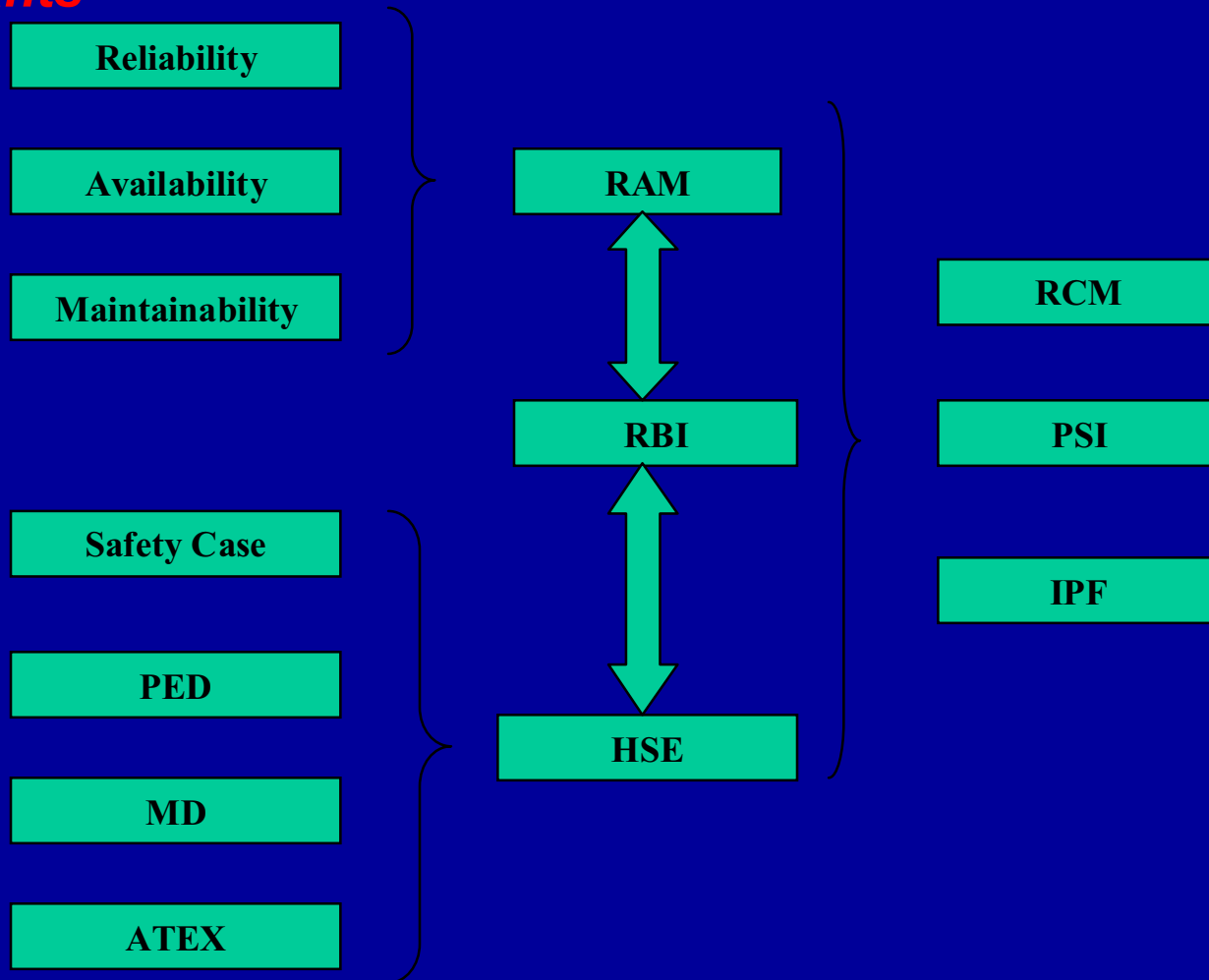
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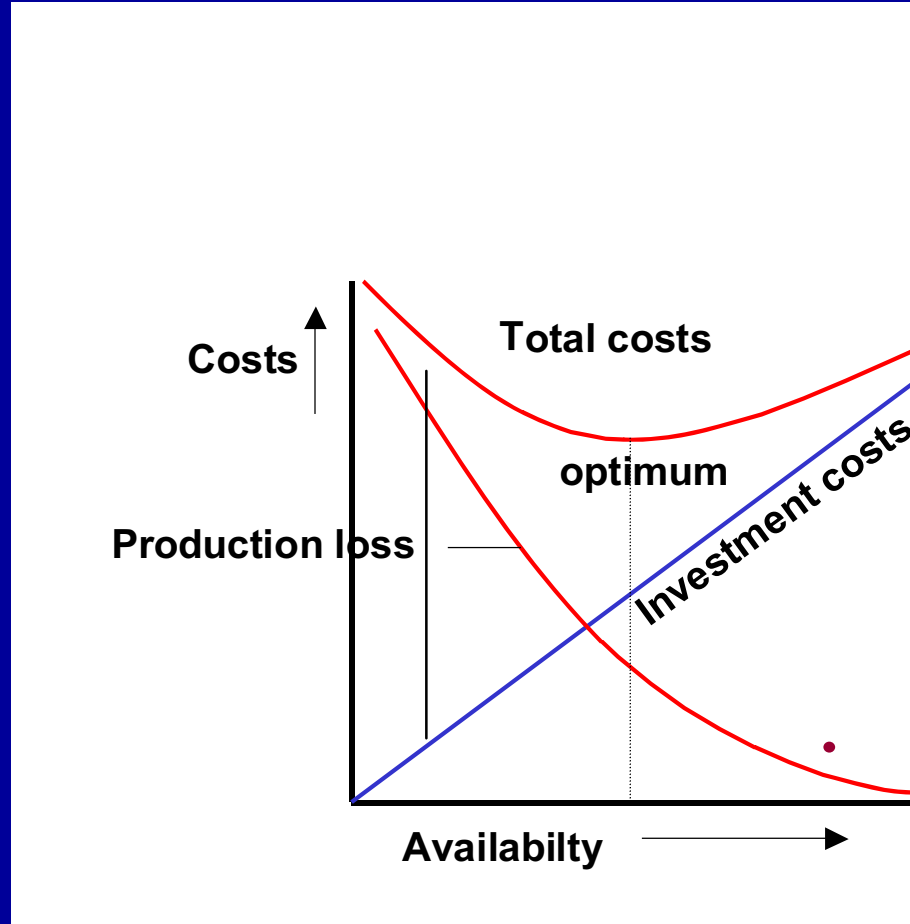
**RELIABILITY,  
AVAILABILITY &  
MAINTAINABILITY  
RAM**

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# **ORBITAL** Operational Excellence

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# **RISK BASED INSPECTION RBI**

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The logo features a stylized globe with a grid pattern, partially enclosed by a yellow orbital ring that curves around it.

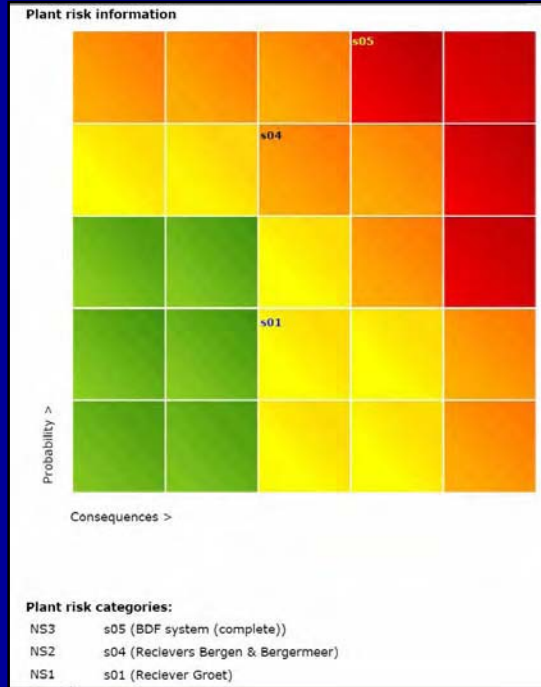
# ORBITAL RBI Definition

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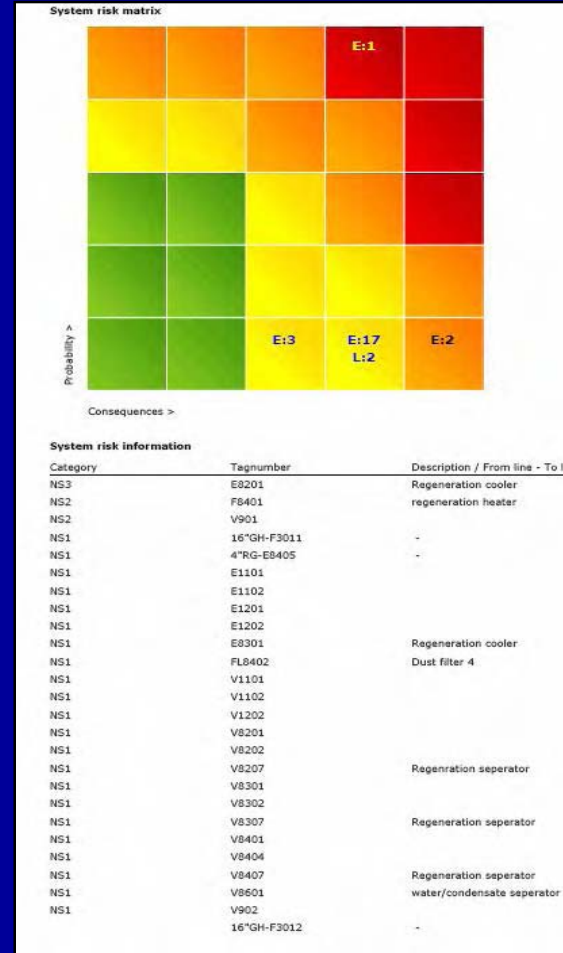
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- Risk Based Inspection is an optimisation process of the risks covered by inspection activities.
- RBI is a general method that can be applied to any installation and structure.
- Risk is classically defined by its probability of occurrence and by the consequences of its effects.
- Within RBI approach, the interest relies on the assessment of the inspection effort in reducing/maintaining the risk level.

## RISK MATRIX ON PLANT LEVEL



## RISK MATRIX ON SYSTEM LEVEL





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**RELIABILITY  
CENTERED  
MAINTAINCE  
RCM**

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IN-HOUSE  
EXPERTISE

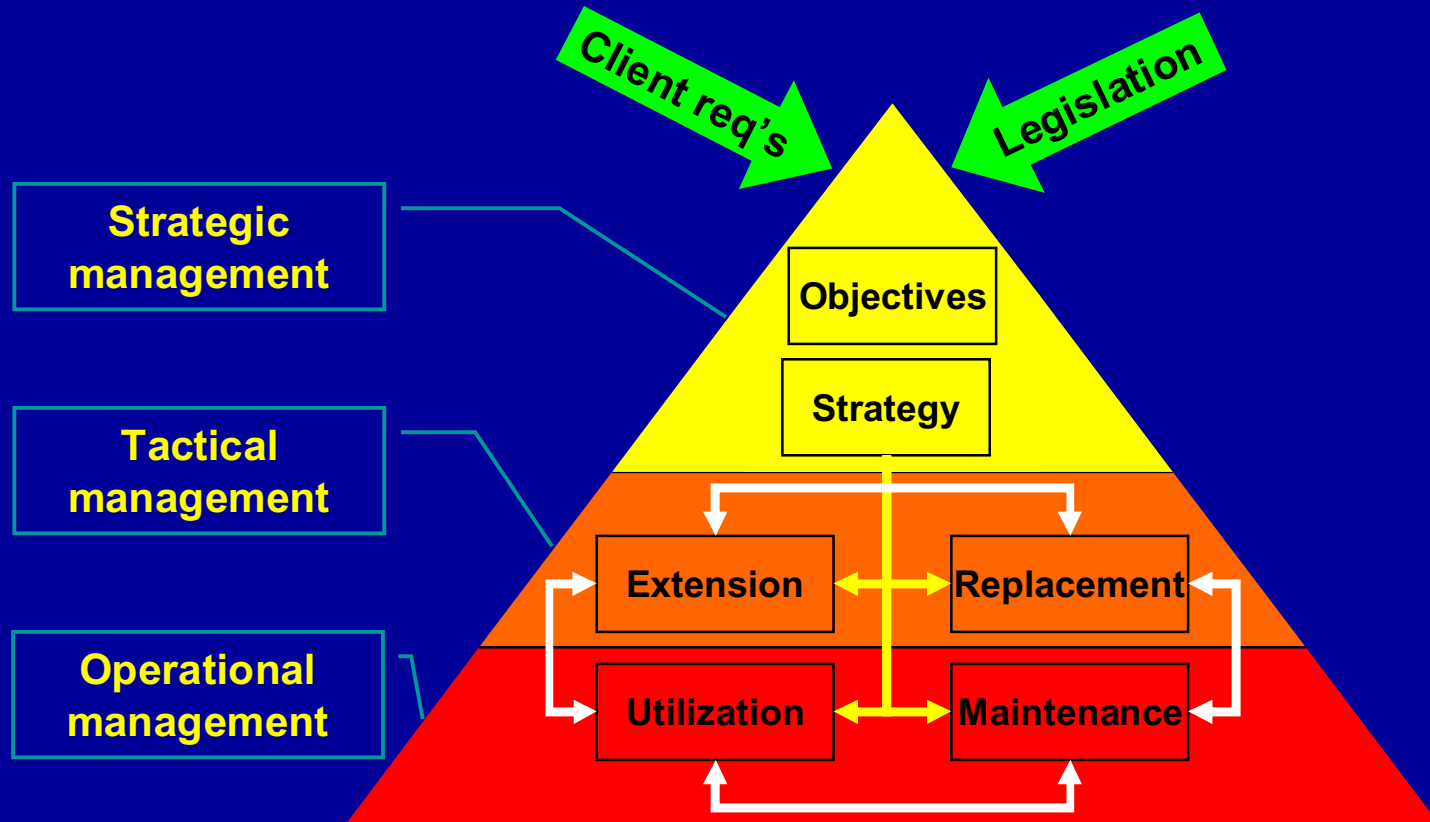
LEGISLATION

COMPANY  
STANDARDS

MANUFACT  
& VENDOR  
RECOMMEND



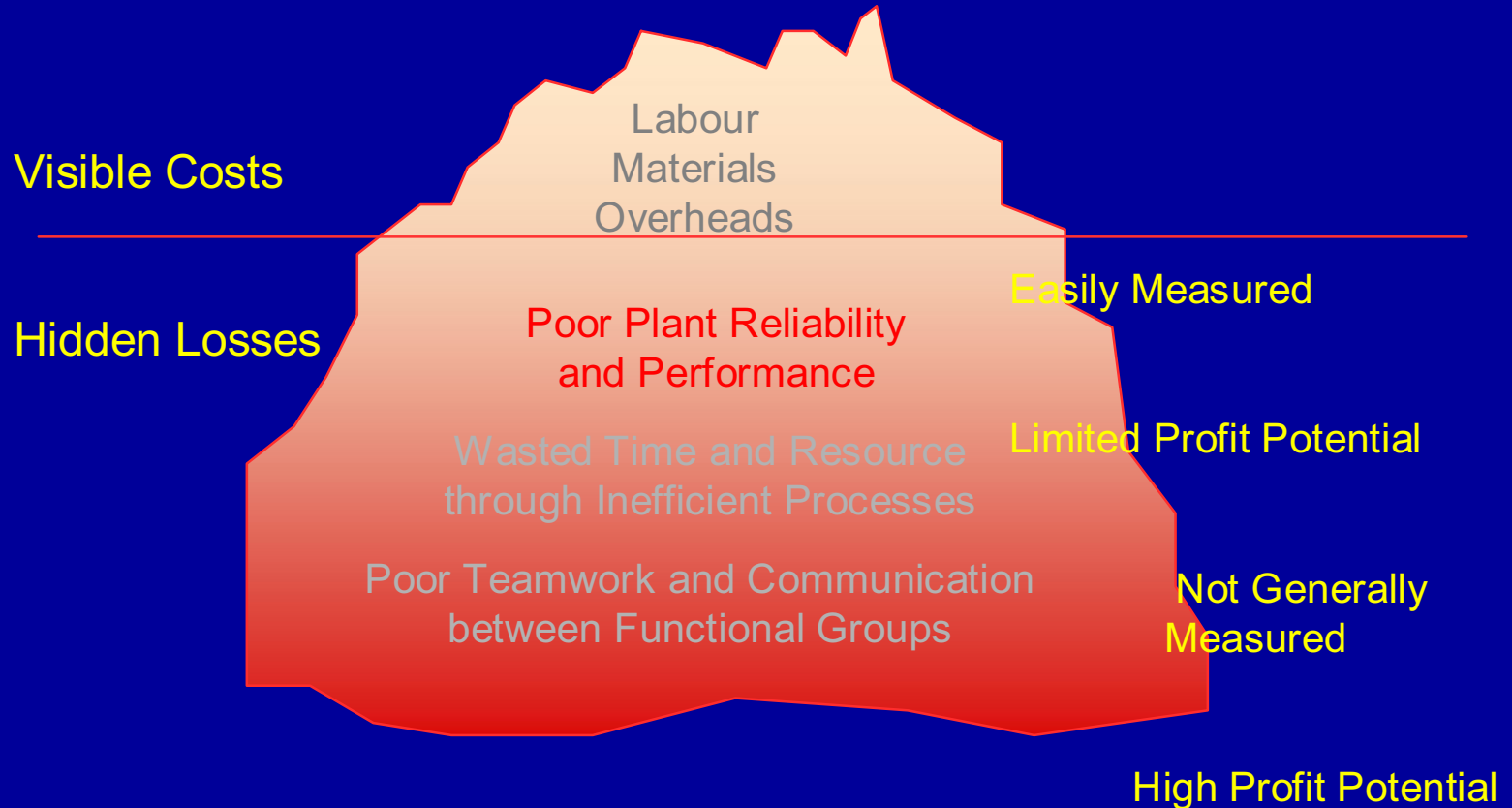
MAINTENANCE SYSTEMS  
BASED ON  
EXPERIENCE AND  
HISTORICAL PRACTICES

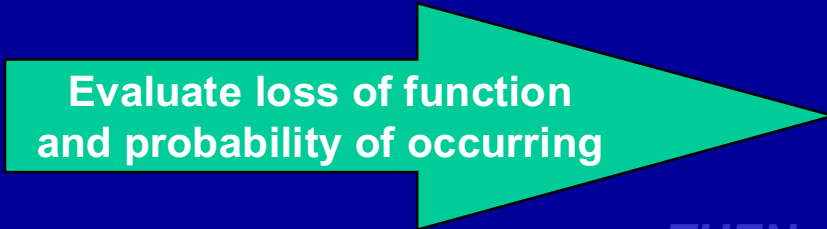
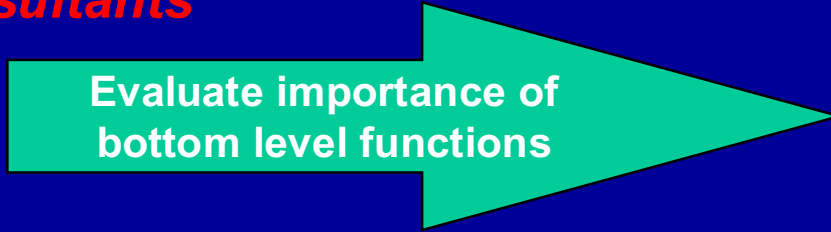




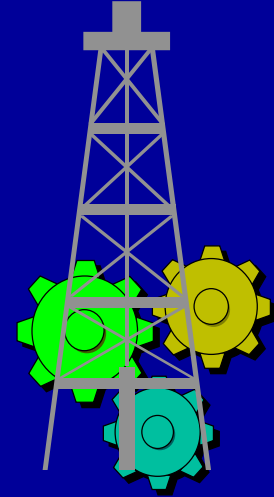
• RCM TACKLES THE UNDERLYING MAJOR LIFECYCLE COST ITEMS

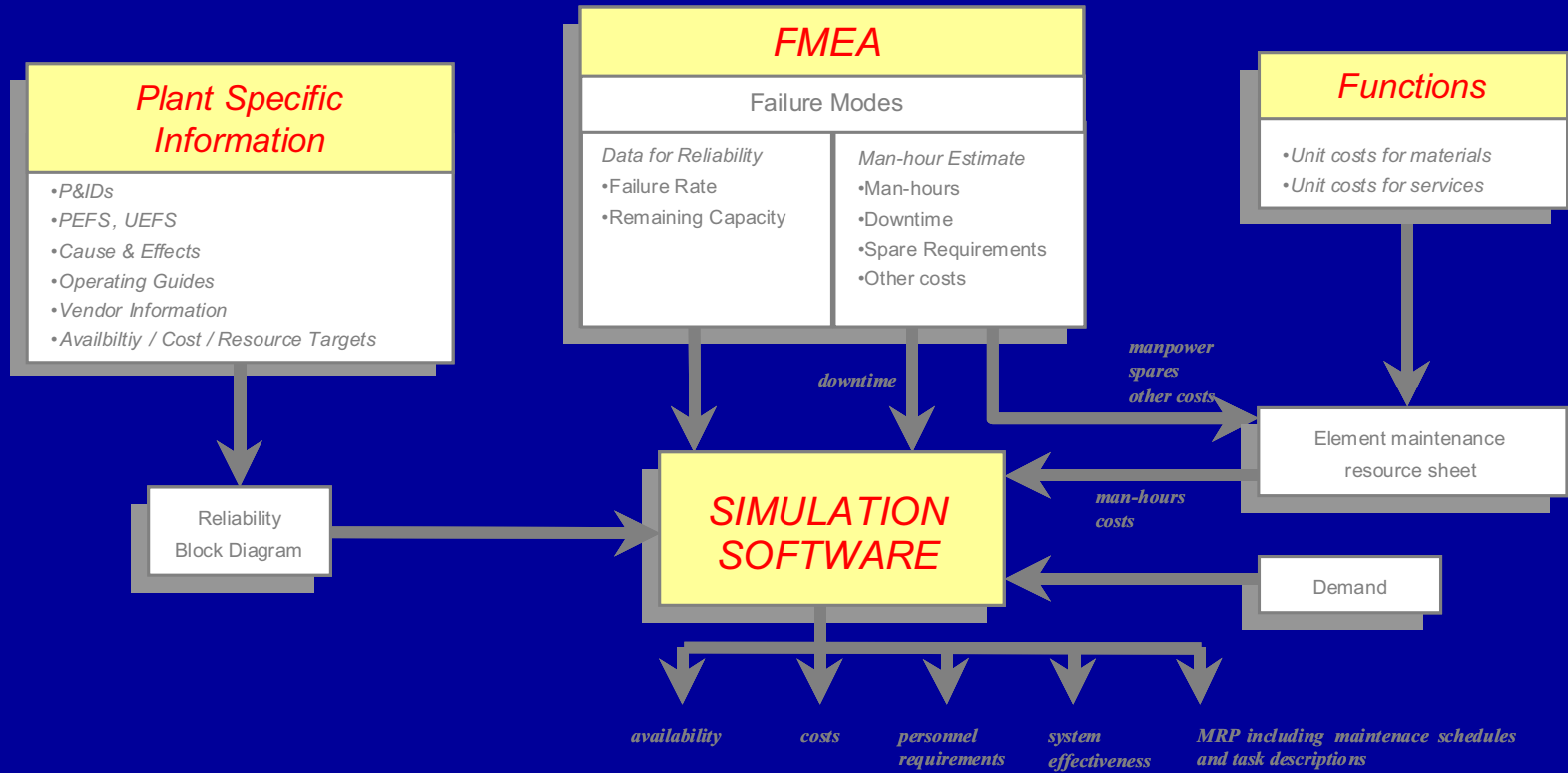
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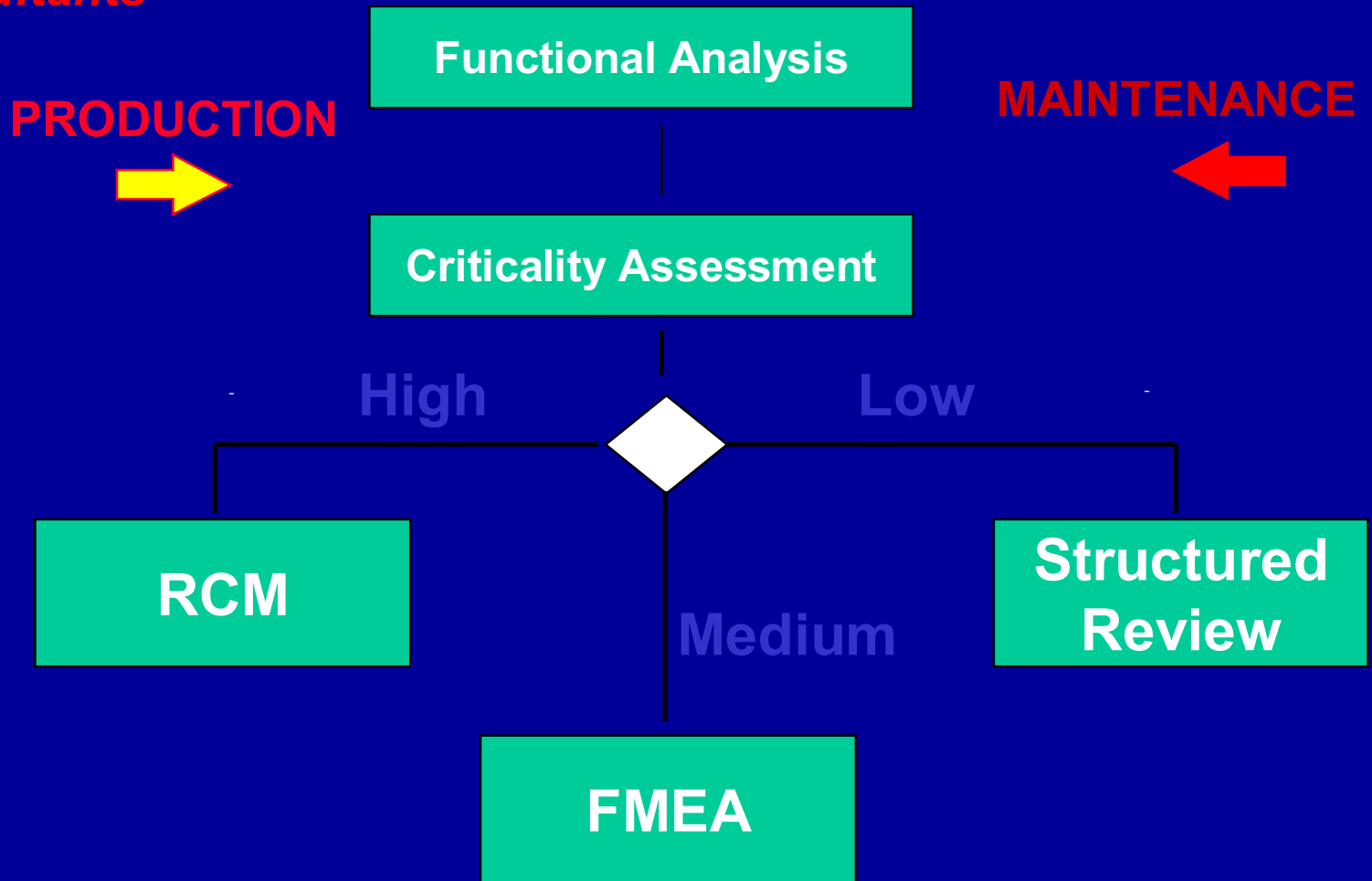


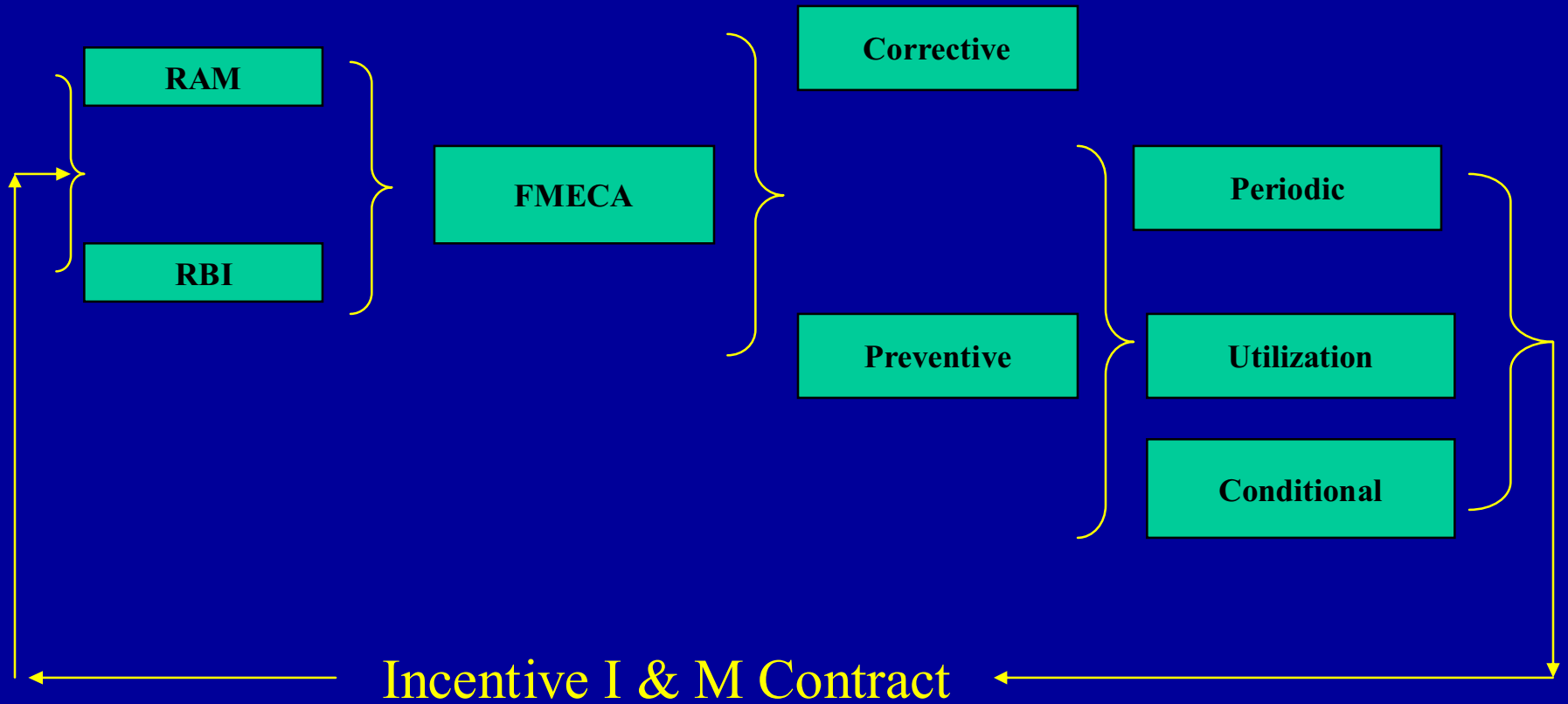


*THEN*









- Probabilistic Corrosion Analyses Flowlines NAM
  - RBI/RCM Offshore Platforms NAM
  - Site Inspection BP Refinery
  - RCM program Elf Petroland
  - Feasibility study implementation RBI TRN
  - RBI inspection plan BP onshore gas facilities
  - RBI/RCM Q4-C Platform Wintershall
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