



HSEQ
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Asset Management



HSEQ

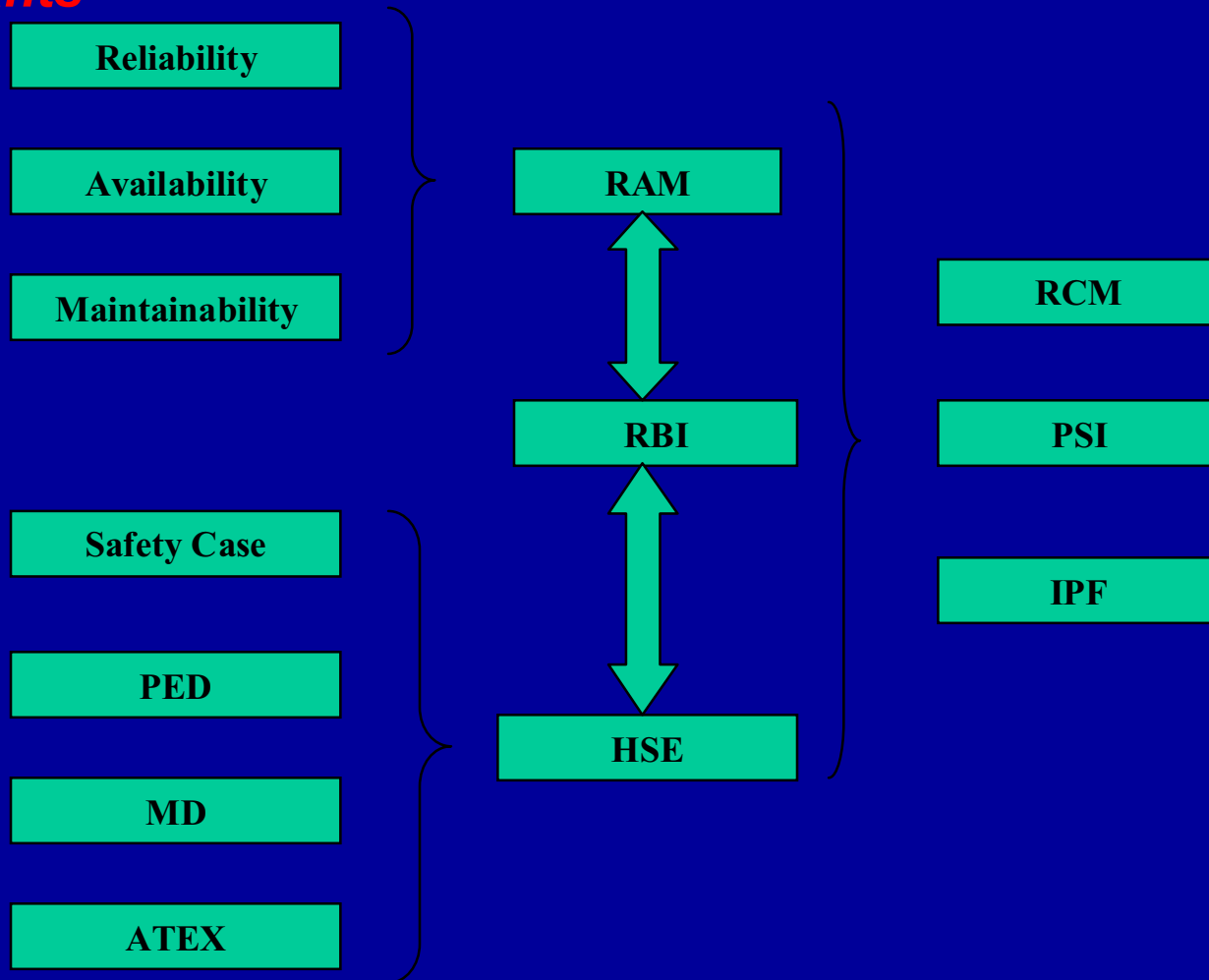
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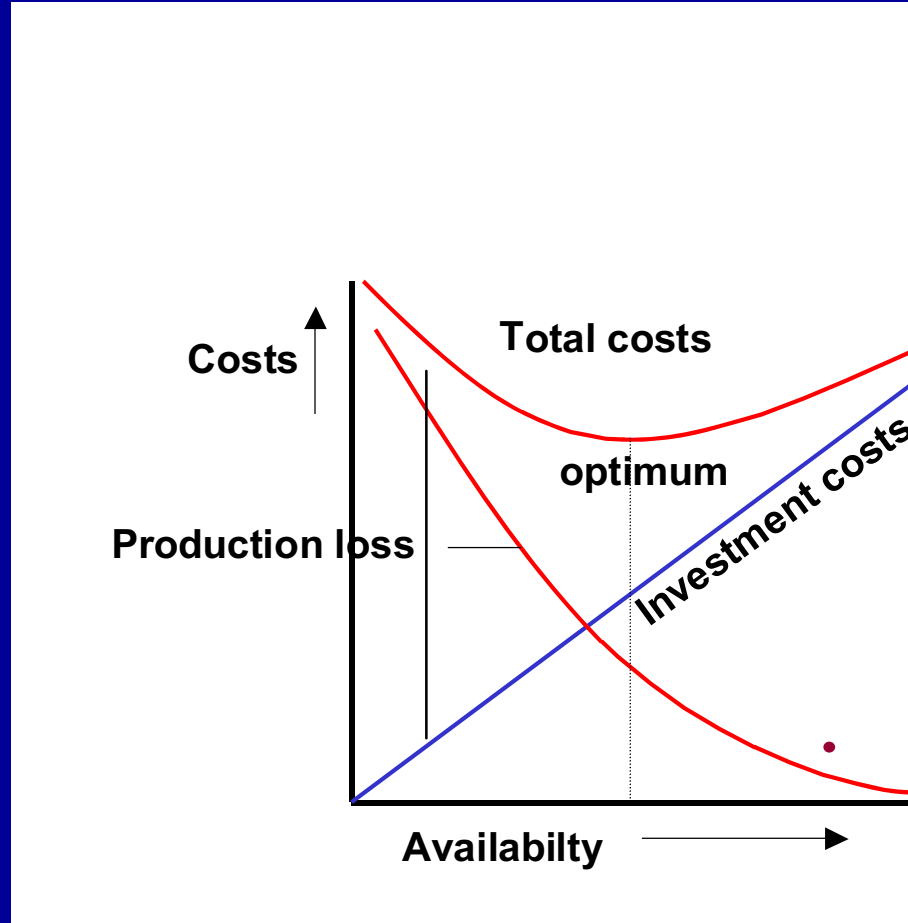
**RELIABILITY,
AVAILABILITY &
MAINTAINABILITY**

RAM

ORBITAL Operational Excellence

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RISK BASED INSPECTION RBI

The logo features a stylized globe with a grid pattern, partially enclosed by a yellow orbital ring that curves around the top and left sides of the globe.

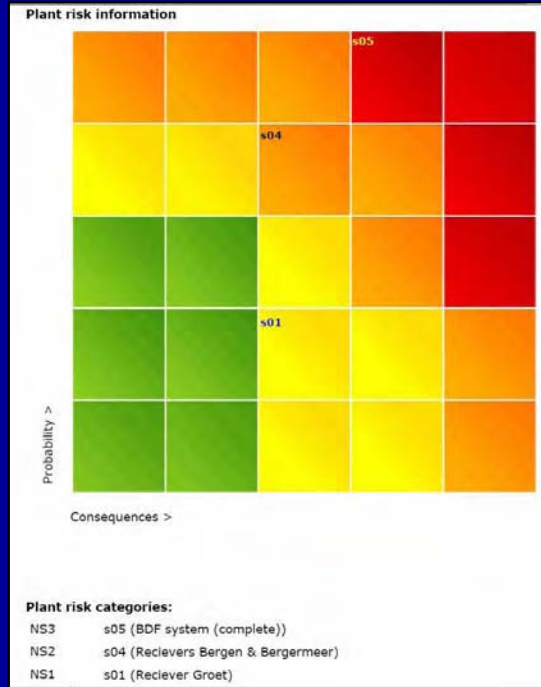
ORBITAL RBI Definition

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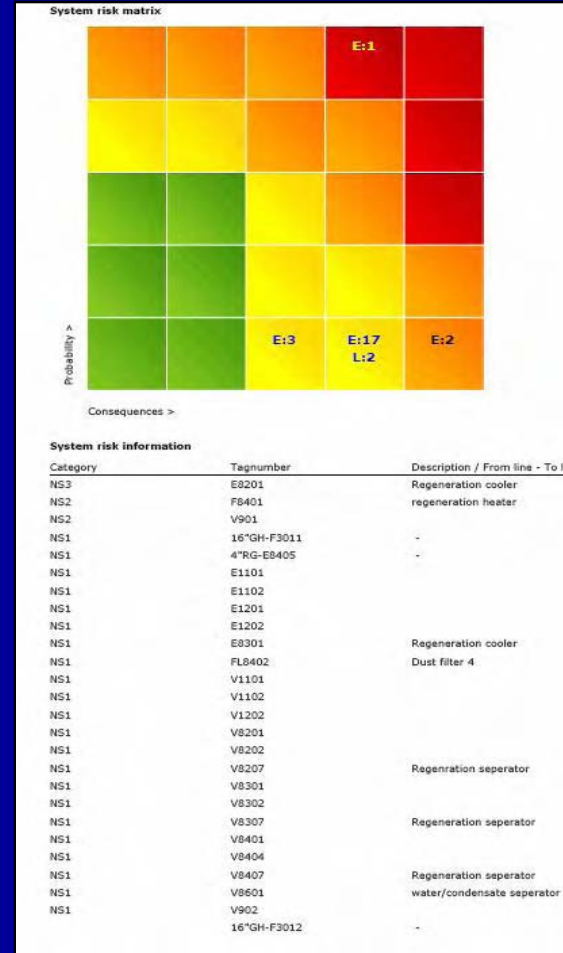
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- Risk Based Inspection is an optimisation process of the risks covered by inspection activities.
- RBI is a general method that can be applied to any installation and structure.
- Risk is classically defined by its probability of occurrence and by 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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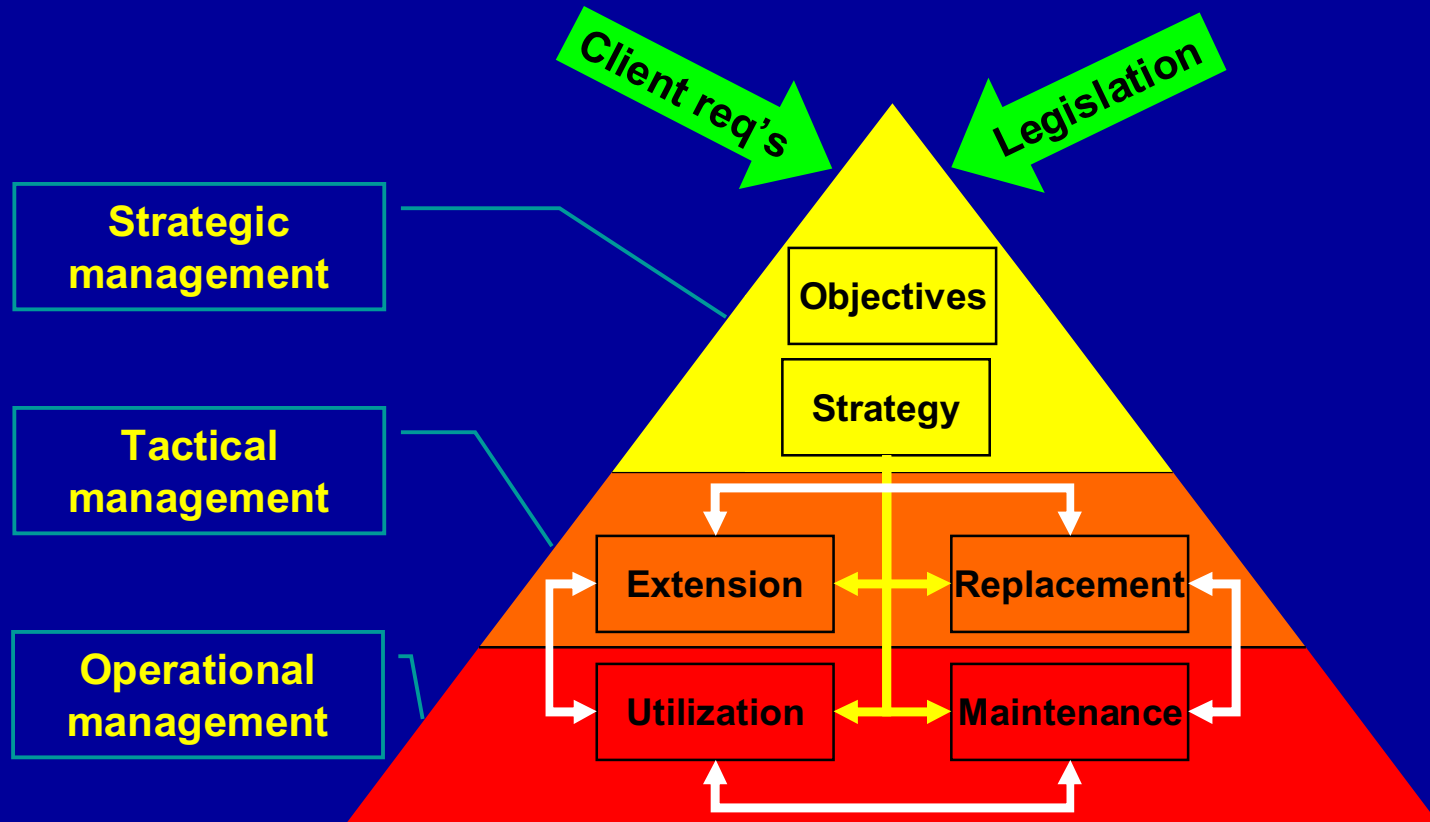
**IN-HOUSE
EXPERTISE**

**MAINTENANCE SYSTEMS
BASED ON
EXPERIENCE AND
HISTORICAL PRACTICES**

LEGISLATION

**COMPANY
STANDARDS**

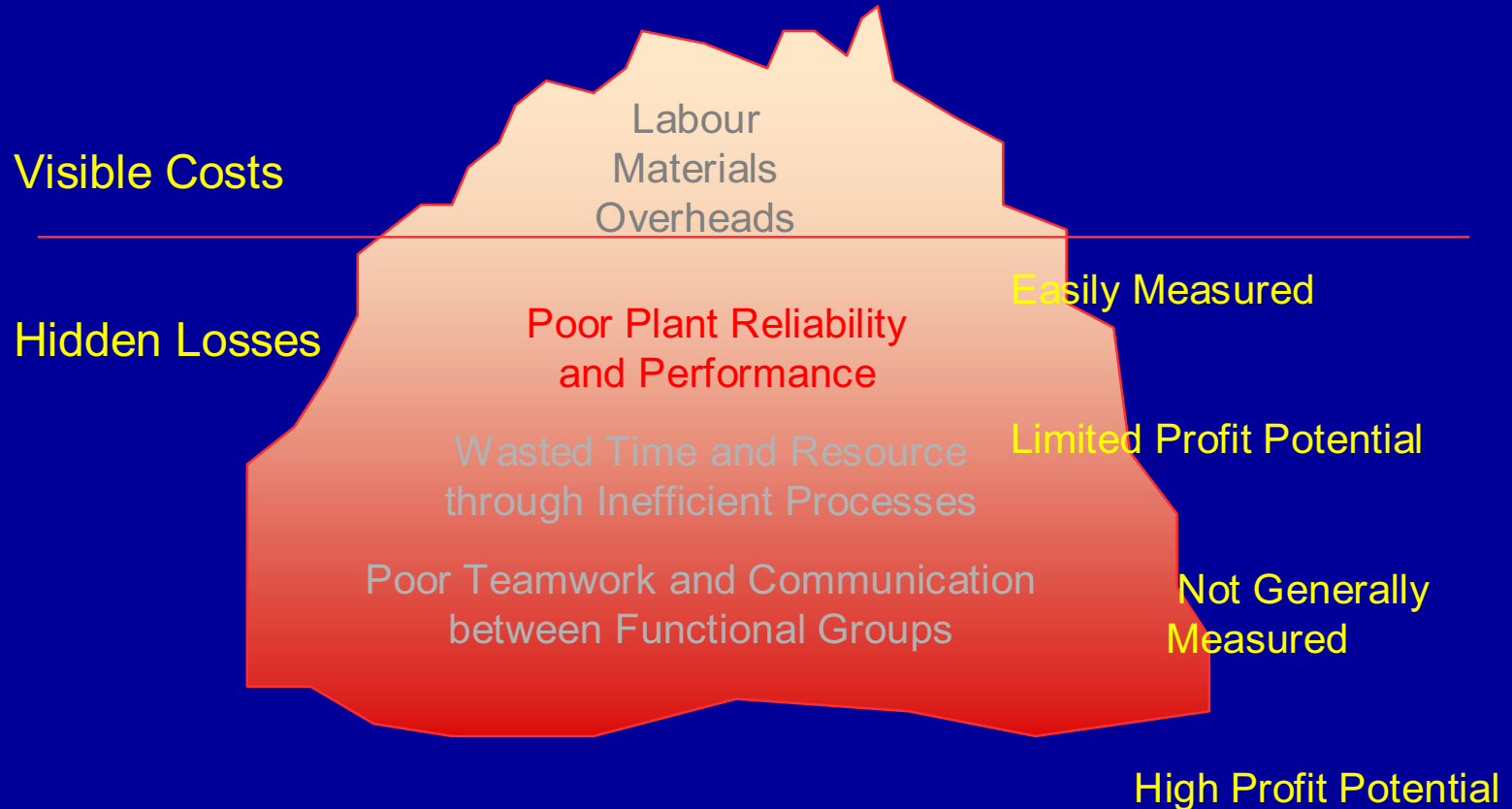
**MANUFACT
& VENDOR
RECOMMEND**

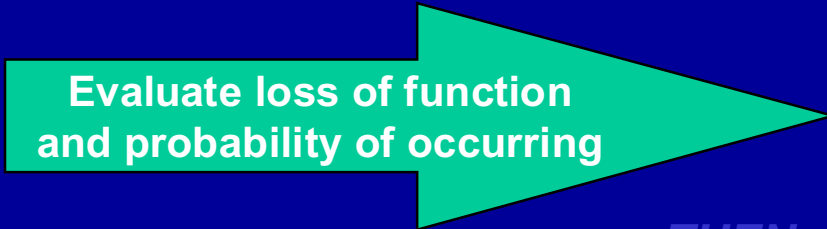
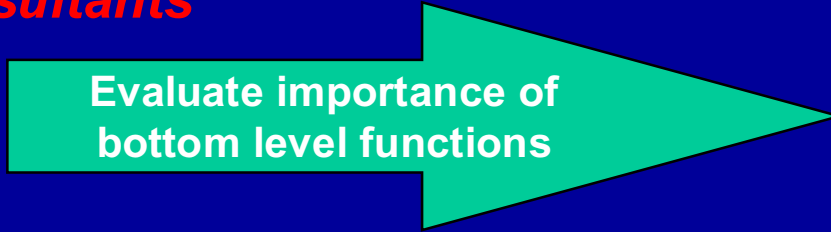




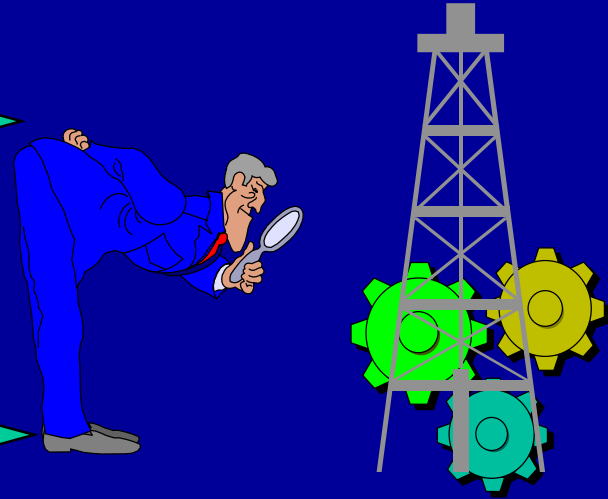
• RCM TACKLES THE UNDERLYING MAJOR LIFECYCLE COST ITEMS

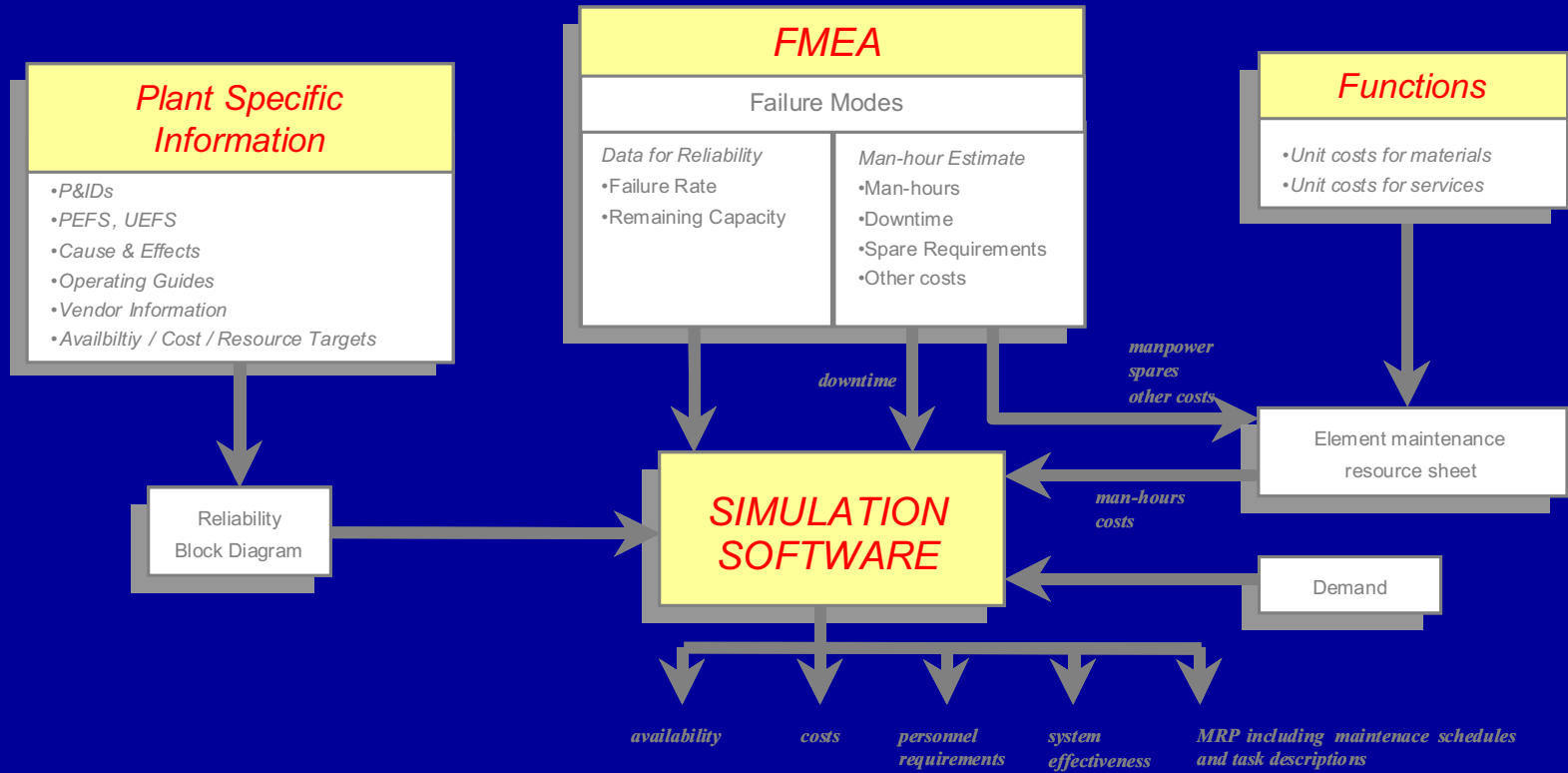
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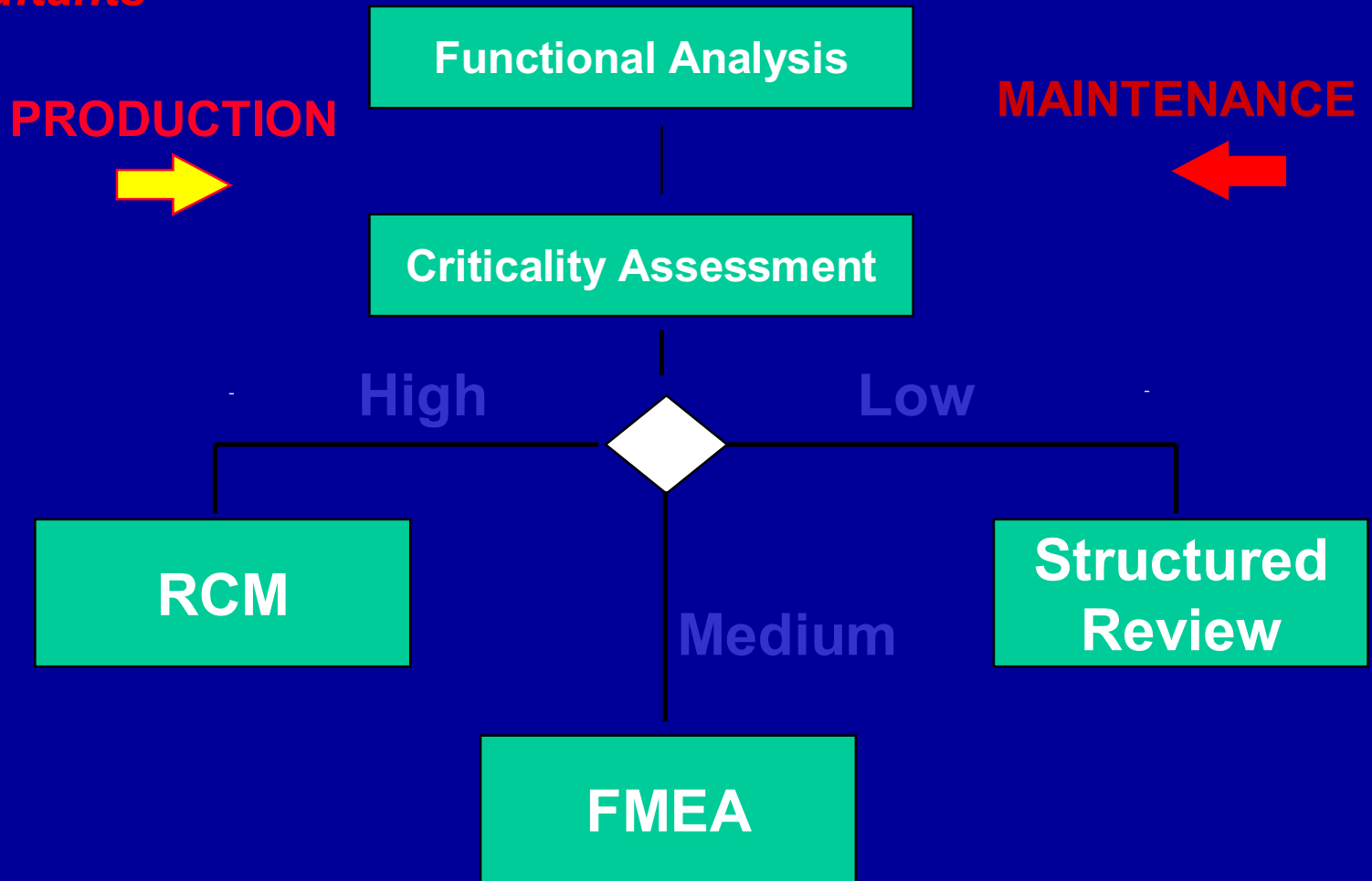


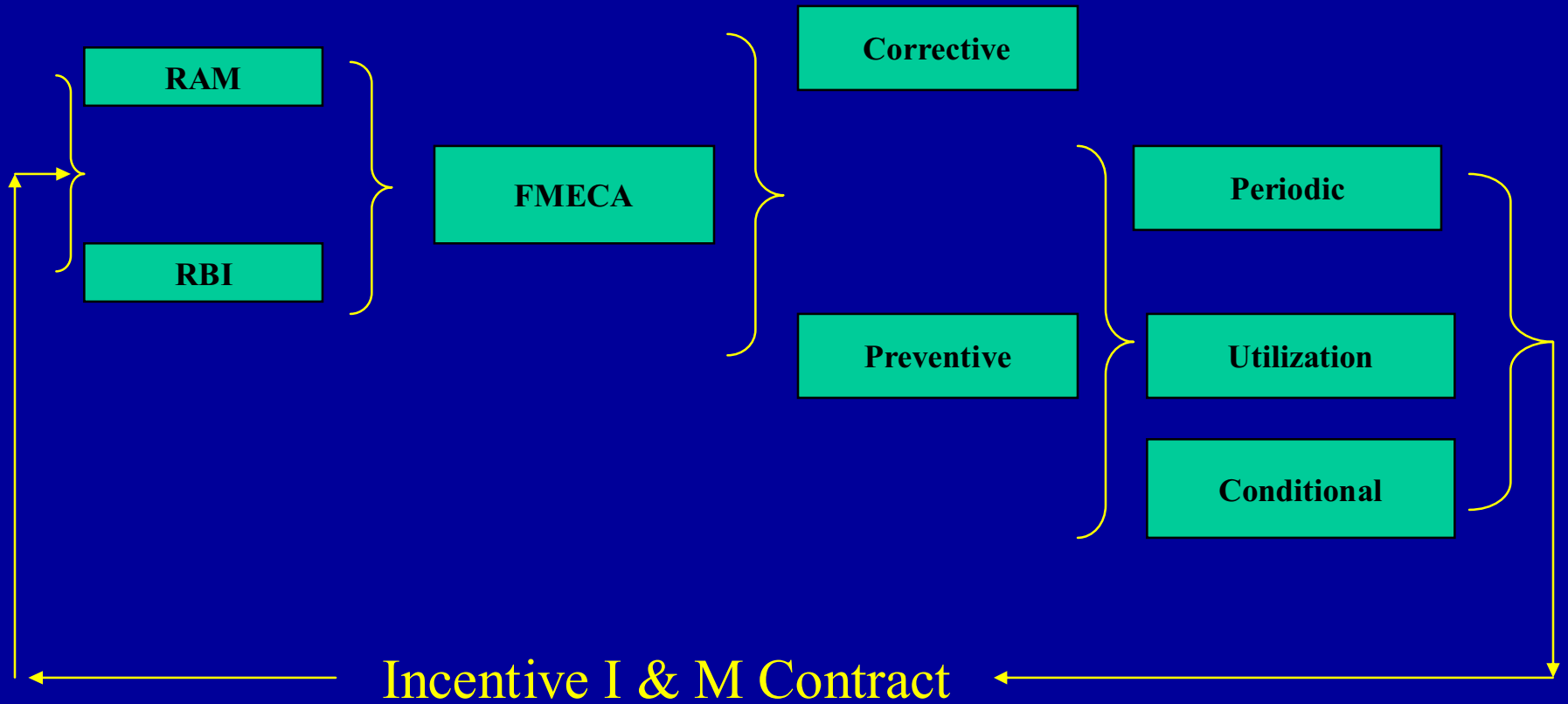


THEN









- 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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