



## ISO 55000 – ASSET MANAGEMENT

### BENEFITS OF IMPLEMENTATION

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# WHAT IS ASSET MANAGEMENT?

## Definition

3.3.1 - asset management: coordinated activity of an organization (3.1.14) to realize value from assets (3.2.1)

## What it does?

Asset management translates the organization's objectives into asset-related decisions, plans and activities, using a risk based approach.



# WHAT IS ASSET MANAGEMENT?

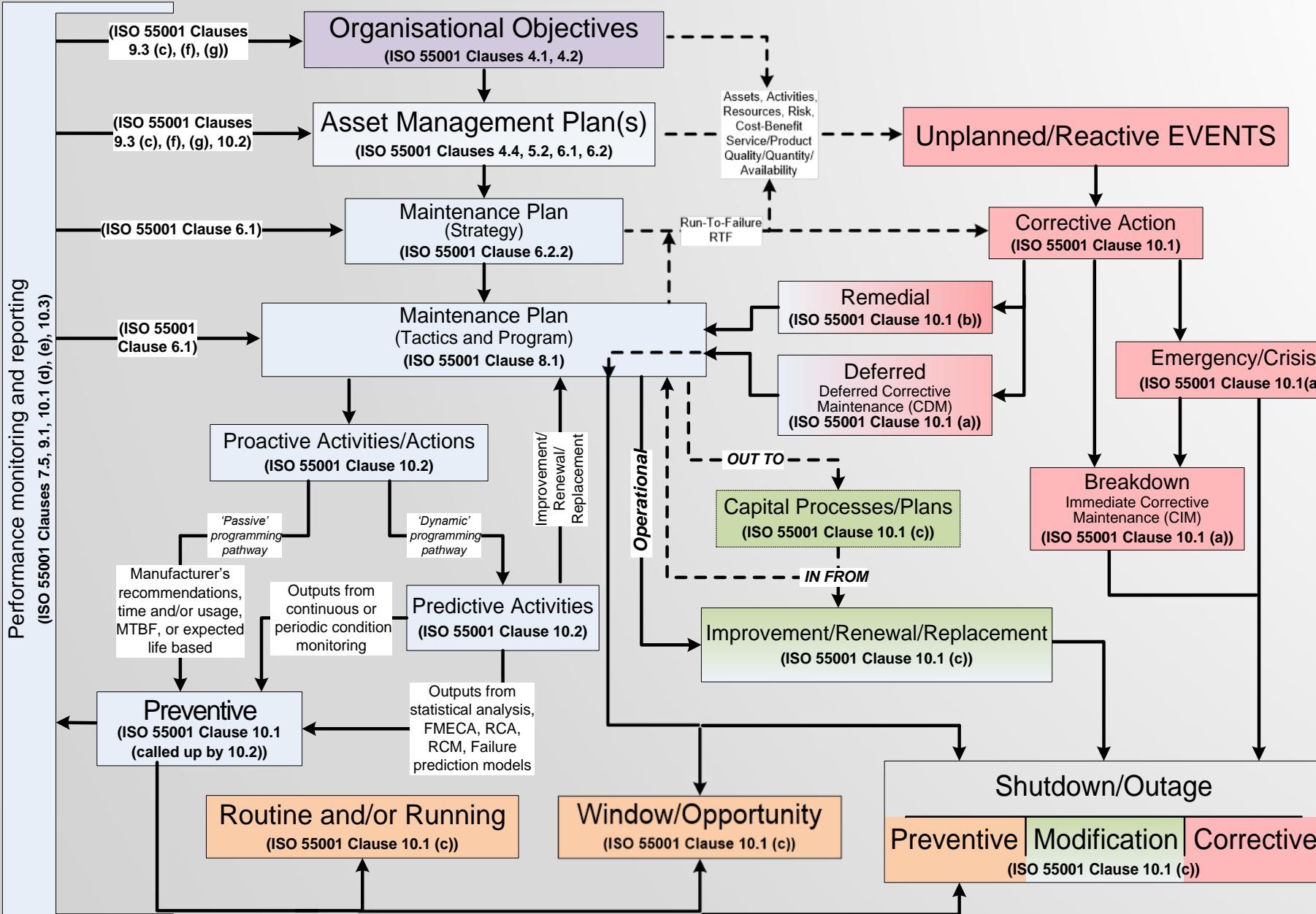
During an utility industry benchmarking study it was determined that the cost of the Asset Management 'System' made up only 3% of industry cost –

**however:**

the outputs (activities and decisions) generated or impacted on at least 82% of industry's Total costs.



# EXAMPLE OF ALIGNMENT OF ALIGNMENT OF MANAGING THE ORGANIZATION, THE AMS, AM AND MANAGING ASSETS



# SYSTEMS THINKING

## **Definition of a 'System':**

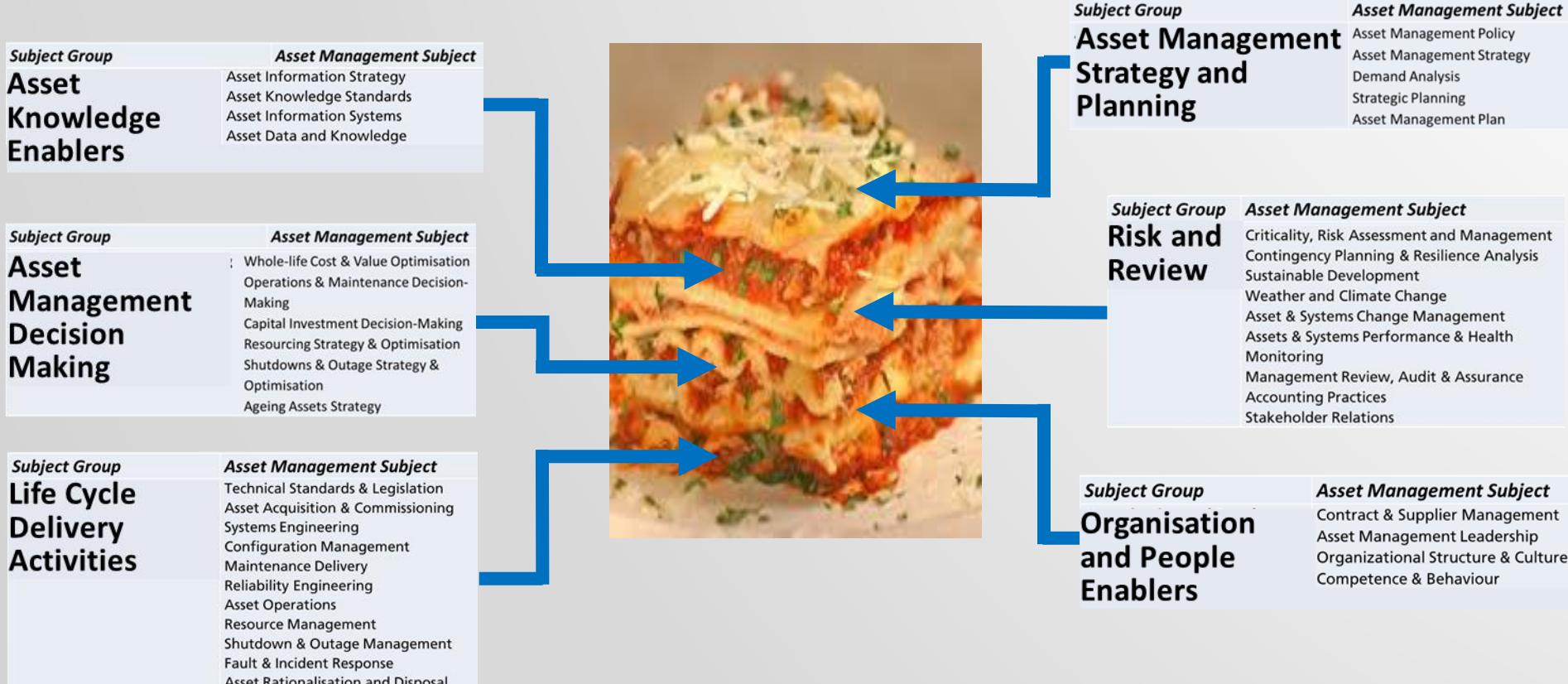
A system is a group of interacting, interrelated, and interdependent components that form a complex and unified whole

## **Systems have several defining characteristics:**

- Every system has a purpose within a larger system
- All of a system's parts must be present for the system to carry out its purpose optimally.
- A system's parts must be arranged in a specific way for the system to carry out its purpose.
- Systems change in response to feedback.
- Systems maintain their stability by making adjustments based on feedback.

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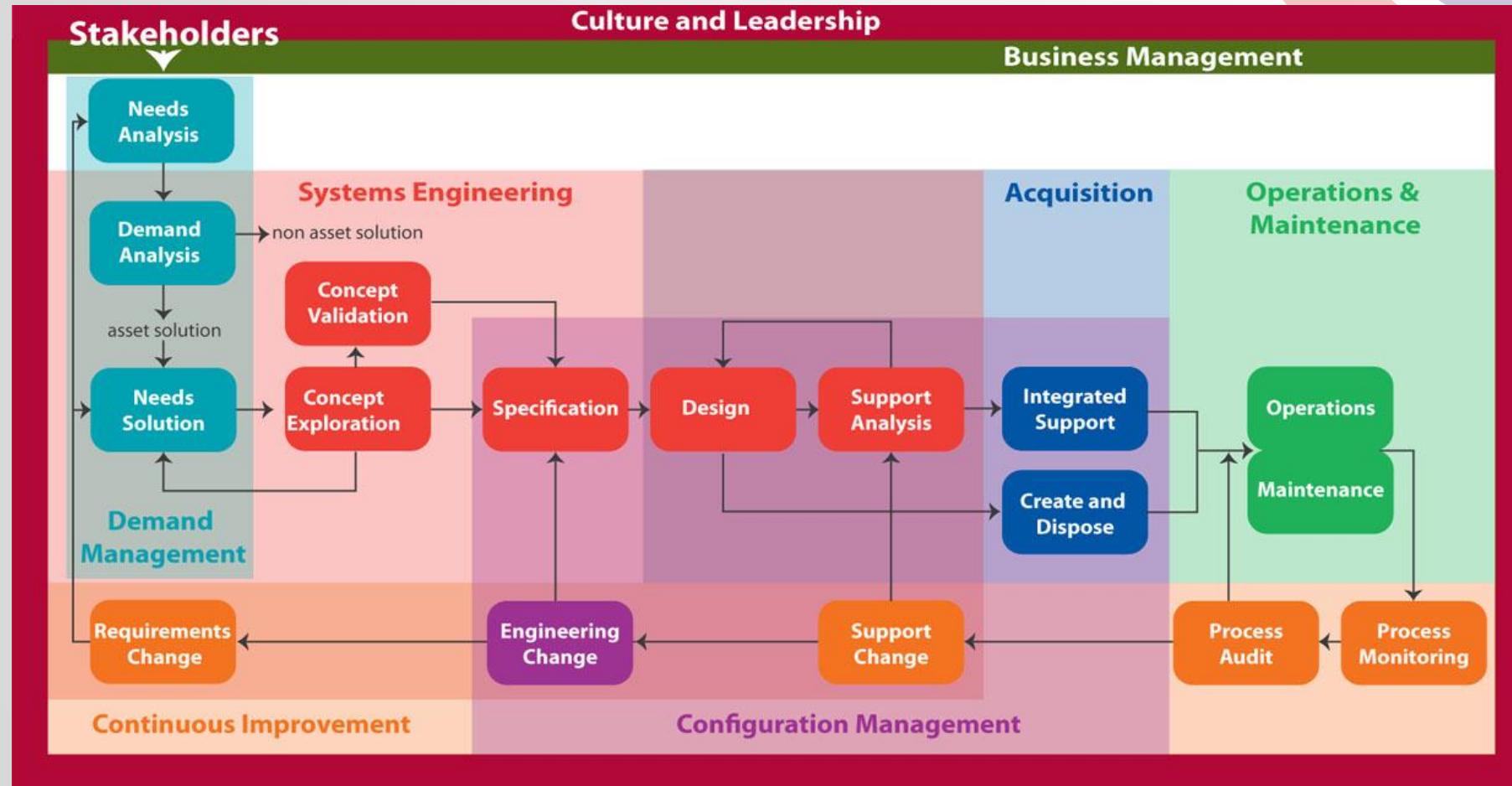
A group of interrelated, interacting, and interdependent components that form a complex and unified whole



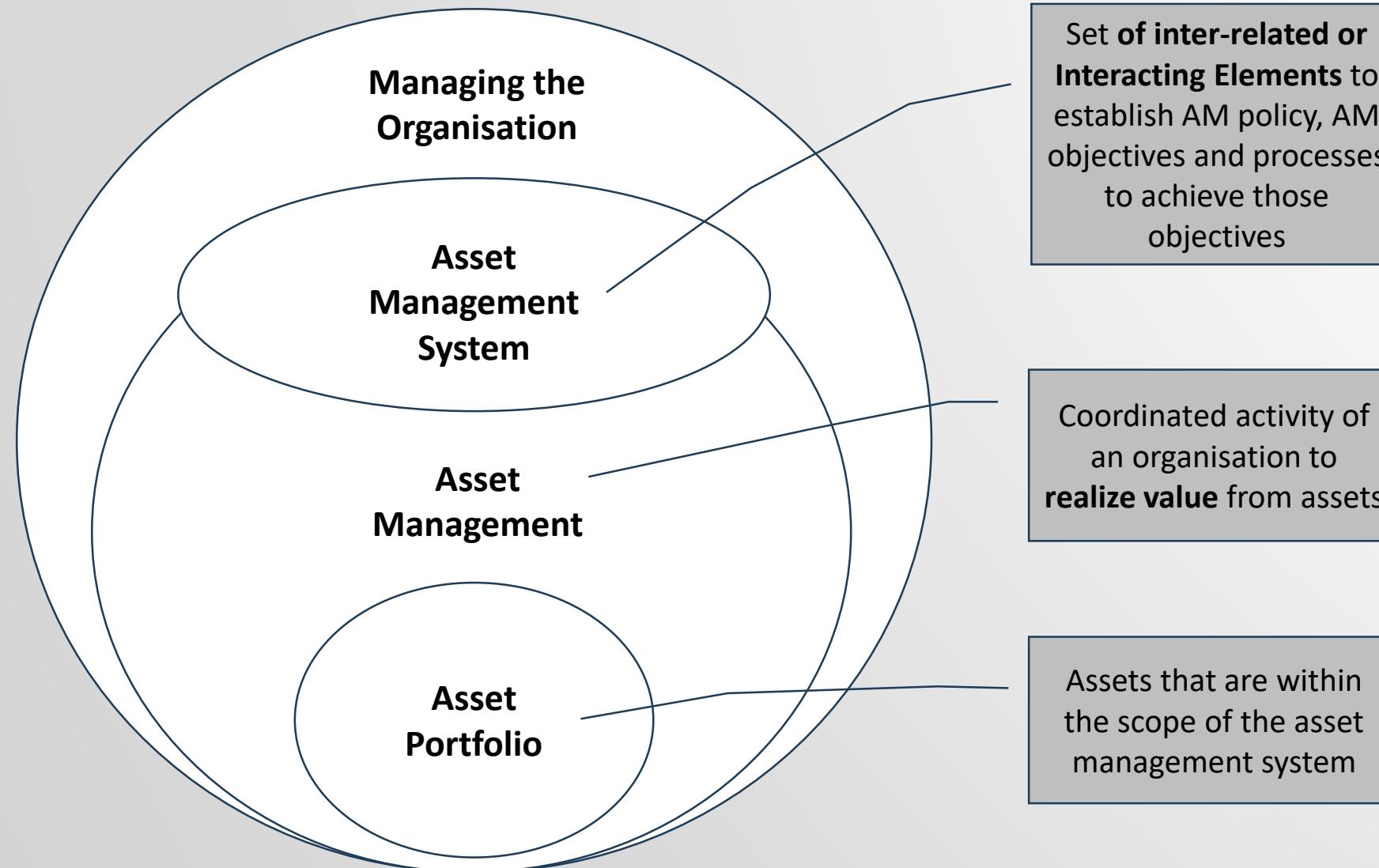
# WHAT IS ASSET MANAGEMENT?



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# ISO 55000 - RELATIONSHIPS BETWEEN KEY TERMS (MODIFIED)



# ELEMENTS OF THE ISO 55001 AMS

**asset management:**  
coordinated activity of an organization to realize value from assets



Organizational context

Leadership

Planning

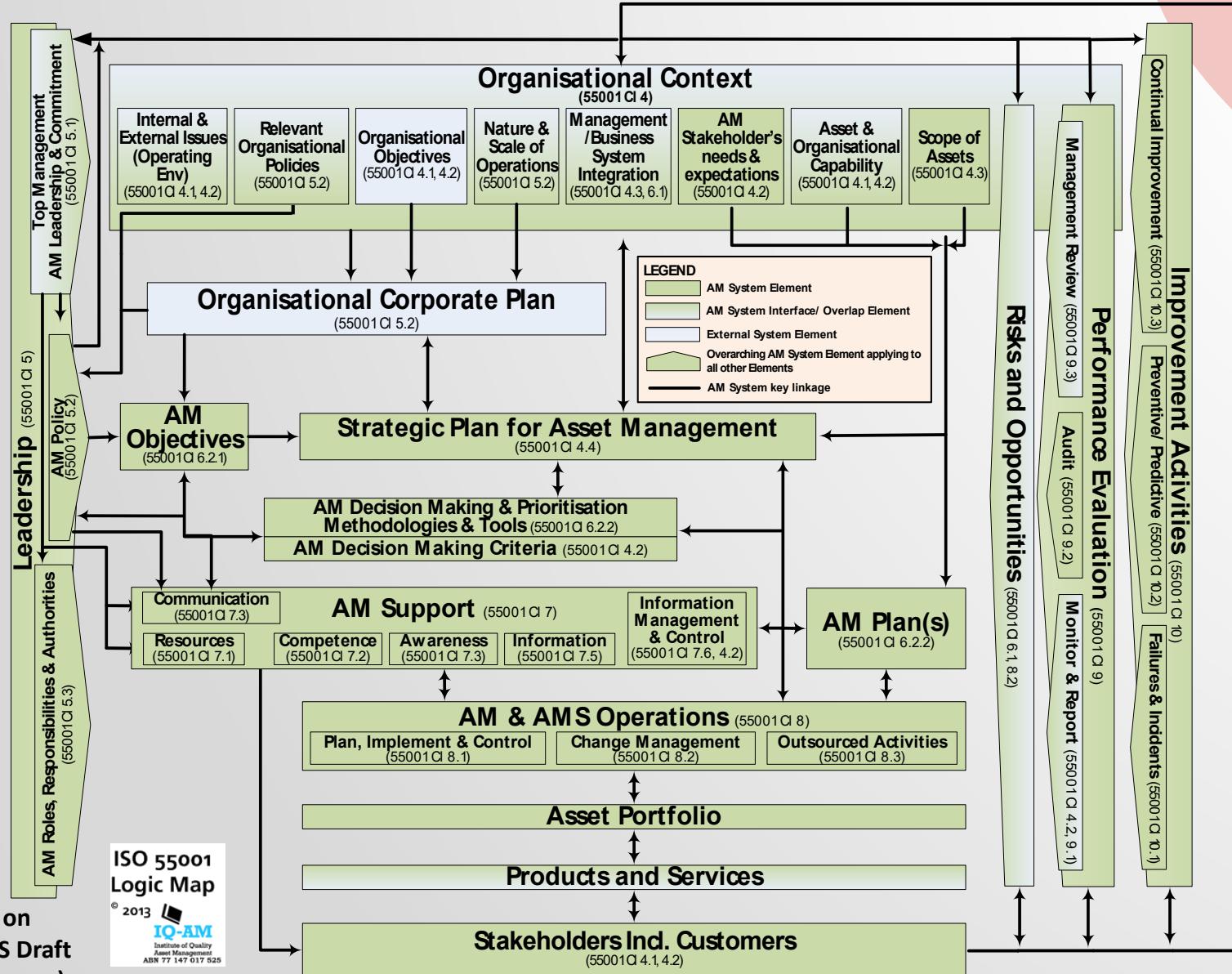
Support

Operation

Performance evaluation

Improvement

# ELEMENTS OF THE ISO 55001 AMS



# MANAGEMENT SYSTEM CERTIFICATION

- ✓ Any Conformity Assessment Body (CAB) accredited to certify 'Management Systems' can certify against ISO 55001
- ✓ The CAB is responsible for determining its auditor's competence
- ✓ ISO/IEC 17021-5 (auditor competency technical specification) published on the 1st of April 2014 but neither it, nor 17021-1 are enforceable as there is no 'accreditation scheme' for CAB's
- ✓ The Asset Management community had NO decision making 'power' in this process

# WHO CAN CERTIFIED?

ISSUE: Under what circumstances, or contractual arrangements, will Certification be possible?

## Owners?



## Service Providers?



## Asset Managers?



**Is the determinant: those who make AND control implementation of life cycle management decisions linked to value generation?**

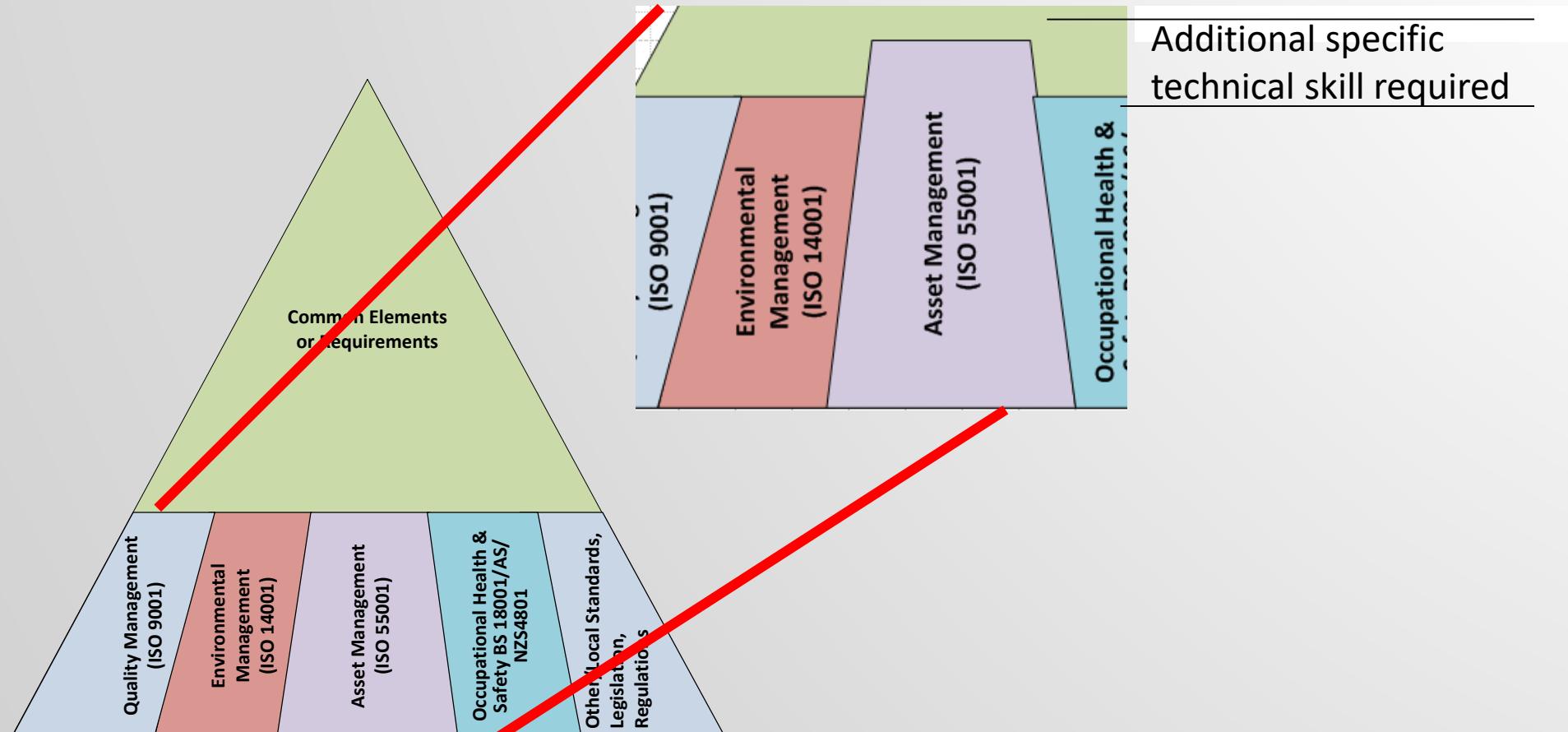
## WHO CAN CERTIFIED?

ISSUE: Under what circumstances, or contractual arrangements, will Certification be possible?

- Contracted Service Provision
  - Unit Cost based activities
  - Works Management
- BOO/BOOT
- Alliances
- Others?

# INTEGRATED MANAGEMENT SYSTEM AUDITING

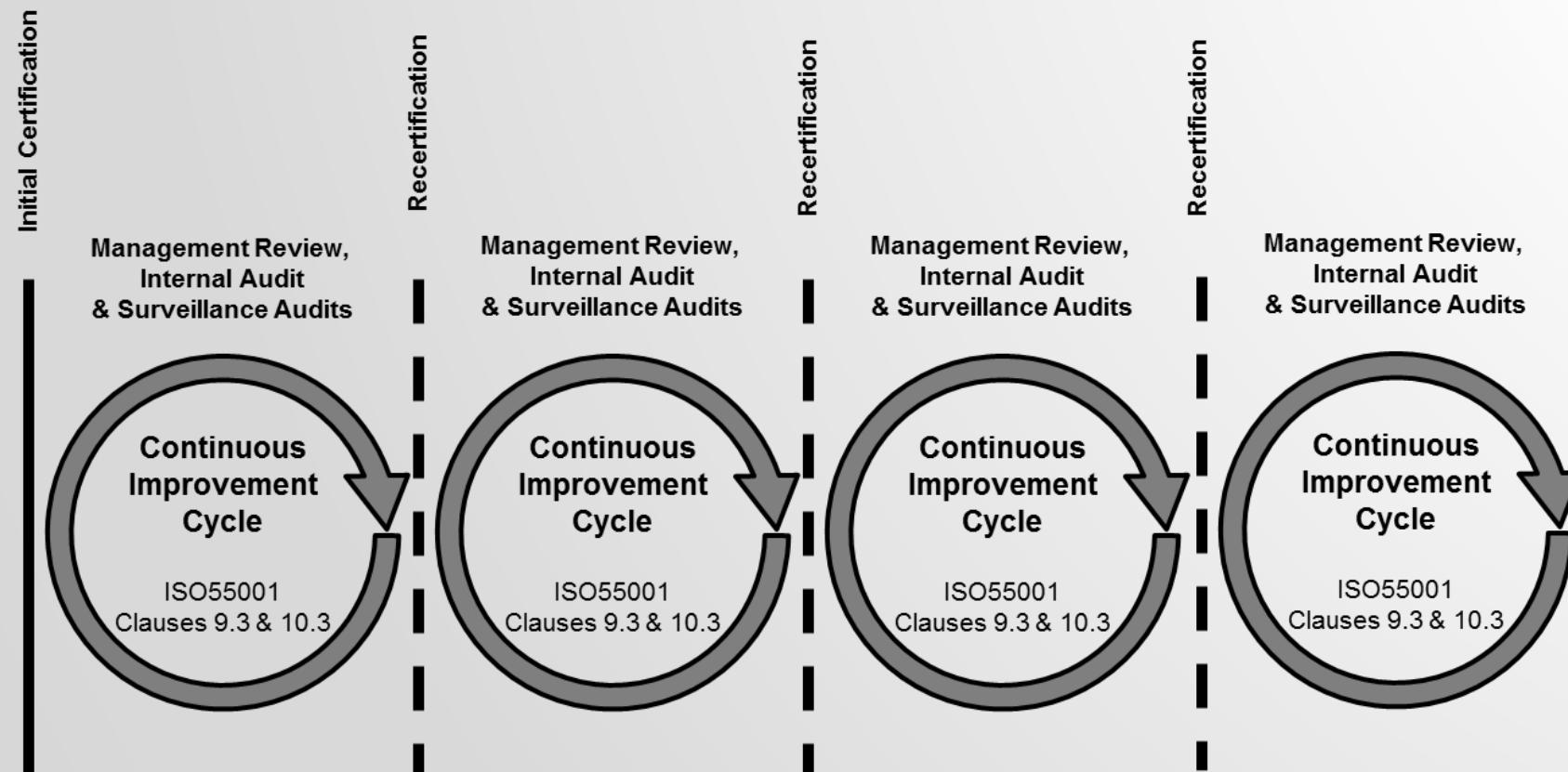
What parts or elements of the ISO 55001 AMS fit under the IBMS framework, & which require Asset Management/AMS specific technical skill.



# CERTIFICATION CONFORMANCE GRADES

- ✓ Major nonconformity: One or more elements of ISO 55001 are not met, or the outcome is ineffective.
- ✓ Minor nonconformity: One or more elements of ISO 55001 are not fully met, or the outcome is only partly effective.
- ✓ Conforms (first certification audit) fully documented, performance managed, integrated and subject to defined audit, review, continuous improvement and updating.
- ✓ Conforms at re-certification fully documented, performance managed, integrated and subject to defined audit, review, continuous improvement and updating with proven evidence of continuous improvement action completion.

# CERTIFICATION PATH TO MATURITY





# THANK YOU

FOR MORE DETAILS VISIT:



[HTTPS://WWW.SYSMACS.COM/](https://www.sysmacs.com/)