

Creating value with BS ISO 55001:2014

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Service Delivery and Operations Manager
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Program

- Introduction
- Value of
 - Assets
 - Assetmanagement managementsystem (ASMS)
 - Assetmanagement
 - Certification of the ASMS
- Wrap up and Q & A



Benefits of Asset Management

Hong Kong MTR

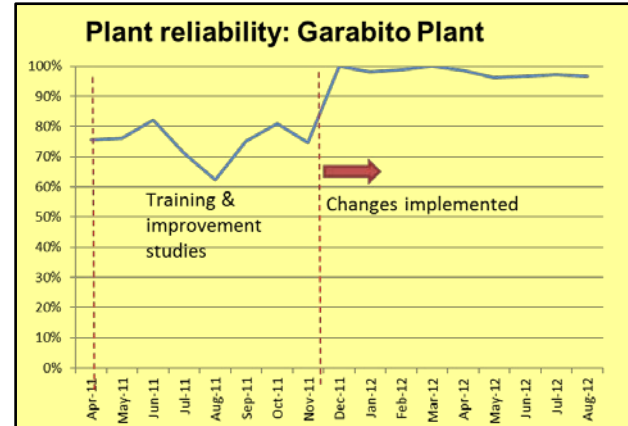
- Train operating costs reduced by 20%
- Train reliability: MTBF risen from 1000 Km to 3500 Km between failures

China Light and Power

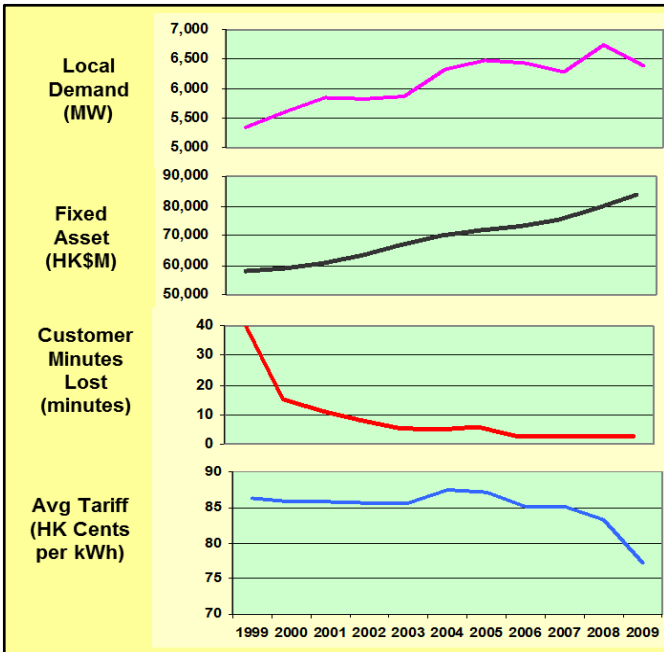
-30% network 'total cost of ownership' (Nuon, Netherlands)
 -30% maintenance cost and +10% system availability (Copper mine, Chile)

A\$11M/year budget savings (New South Wales government)

ICE, Costa Rica*



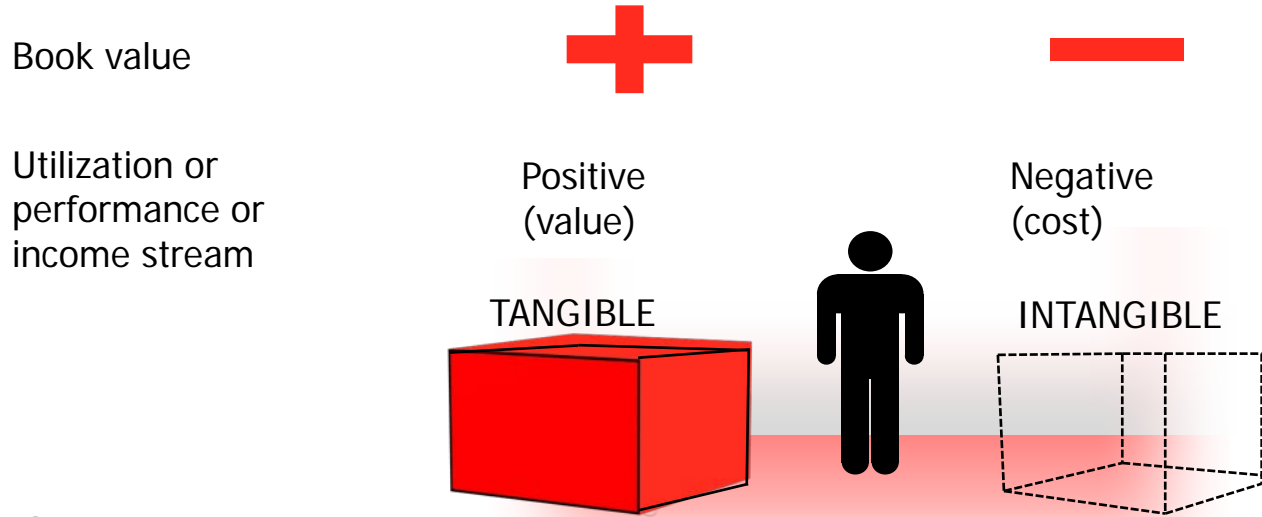
* Winner of 1st IAM Asset Management Achievements award 2013



Asset Value

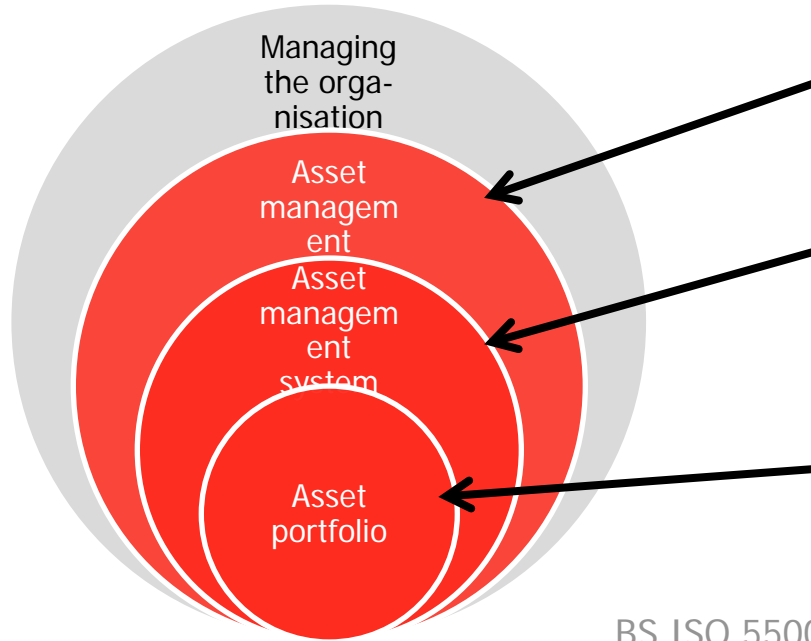
"An asset is something that has potential or actual value to an organization."
(BS ISO 55000:2014)

"Asset Management is the coordinated activities of an organization to realize value from its assets."
(The IAM, 2012, An Anatomy of Asset Management)



What is Asset Management?

Relationship between asset portfolio, asset management system and asset management



The capabilities for managing the asset portfolio such as leadership, culture, motivation and behaviours

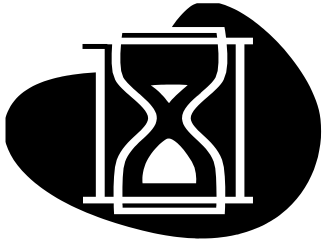
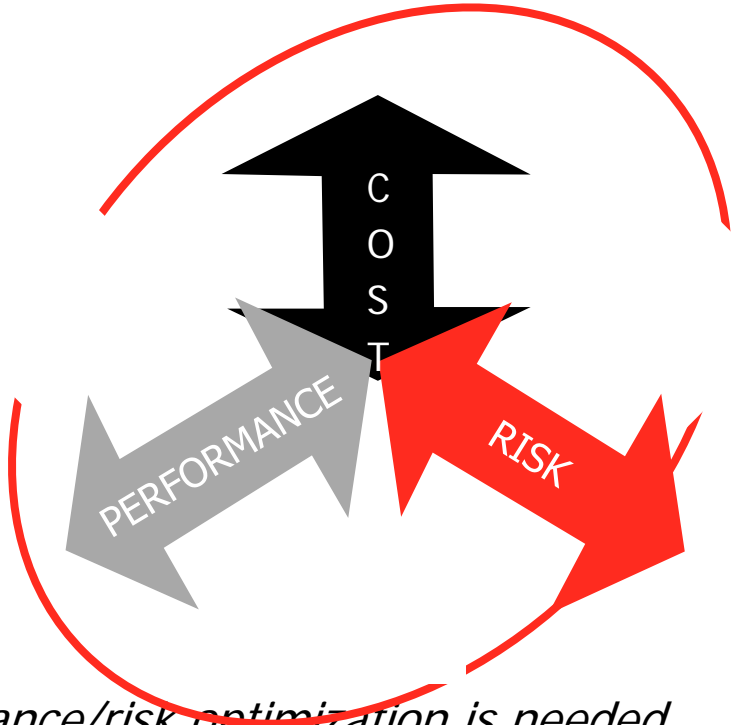
Policies, strategies, procedures plans and processes of both the assets and the asset management system itself covering the whole asset life cycle

The assets and assets systems that make up the asset portfolio covered by the asset management system

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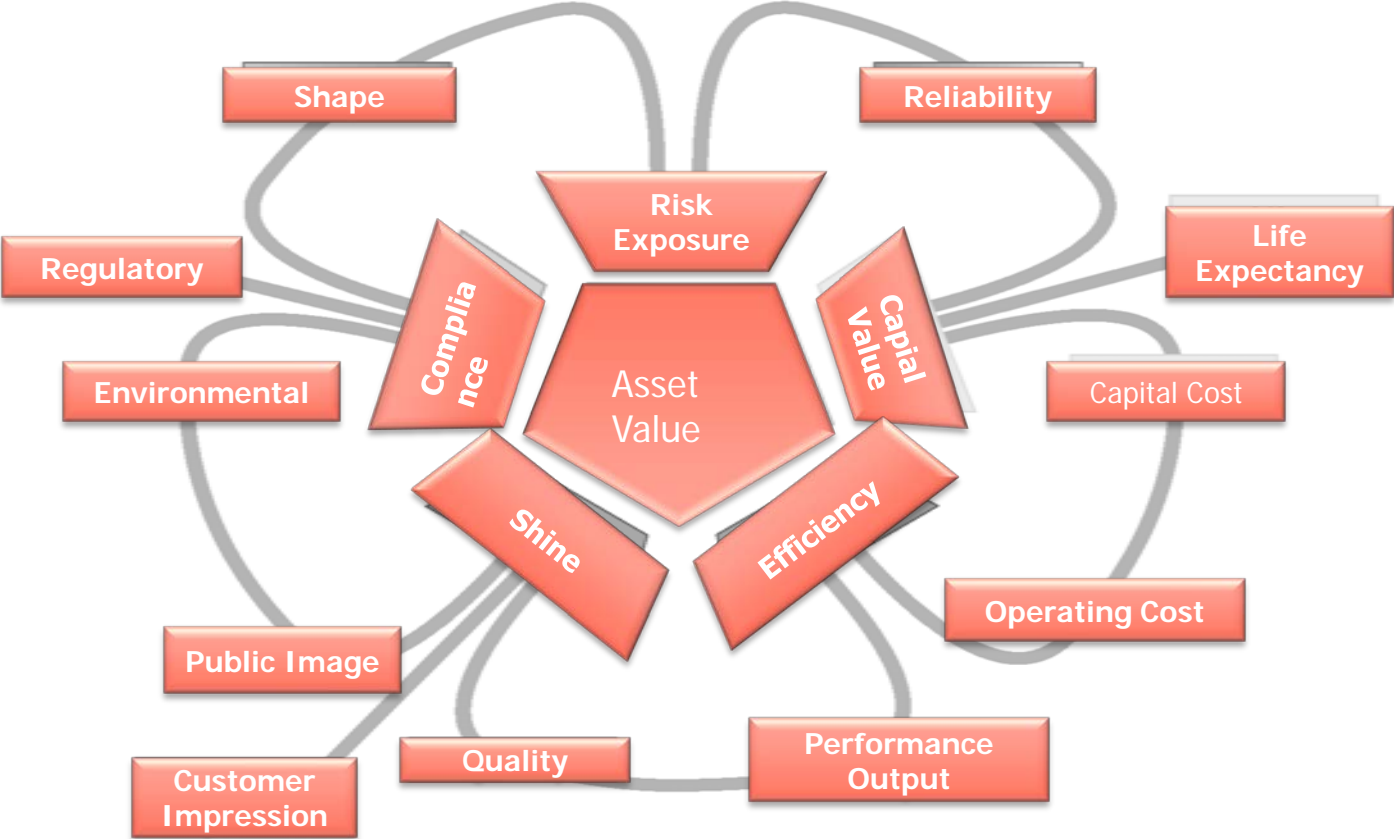
What is Asset Management?

- Resolving the conflict

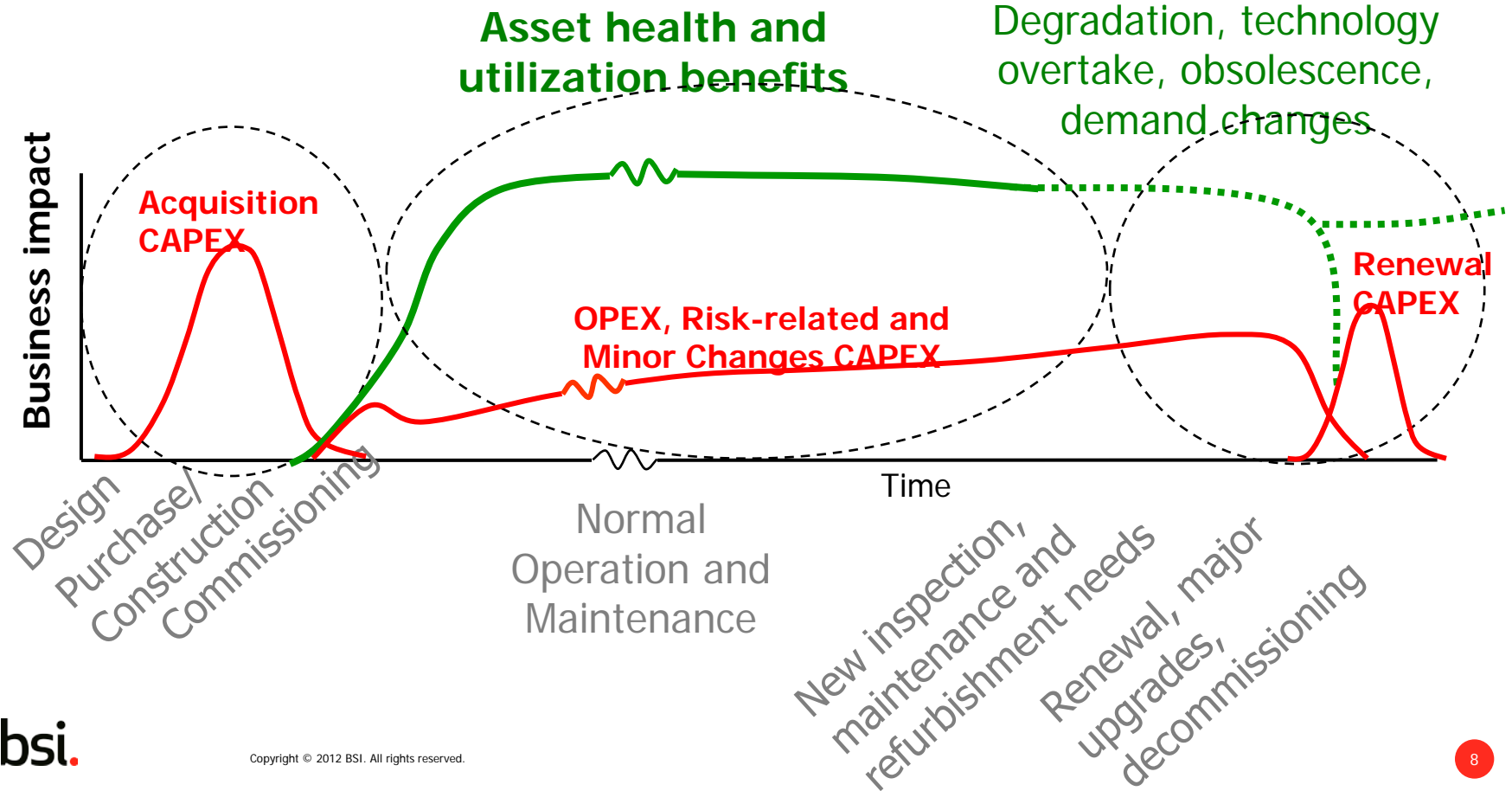


whole lifecycle cost/performance/risk optimization is needed

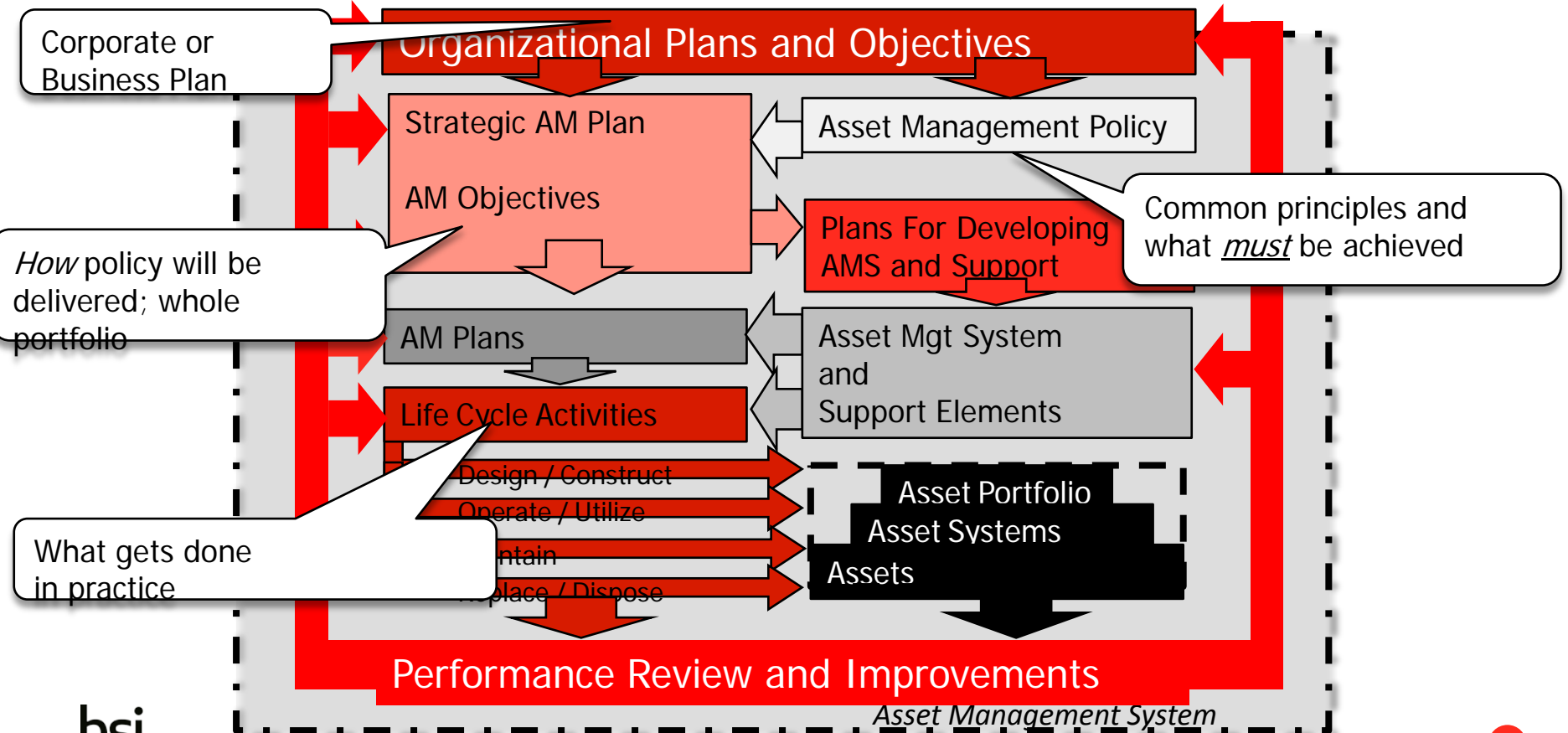
Business Drivers



Business Impact Over Time

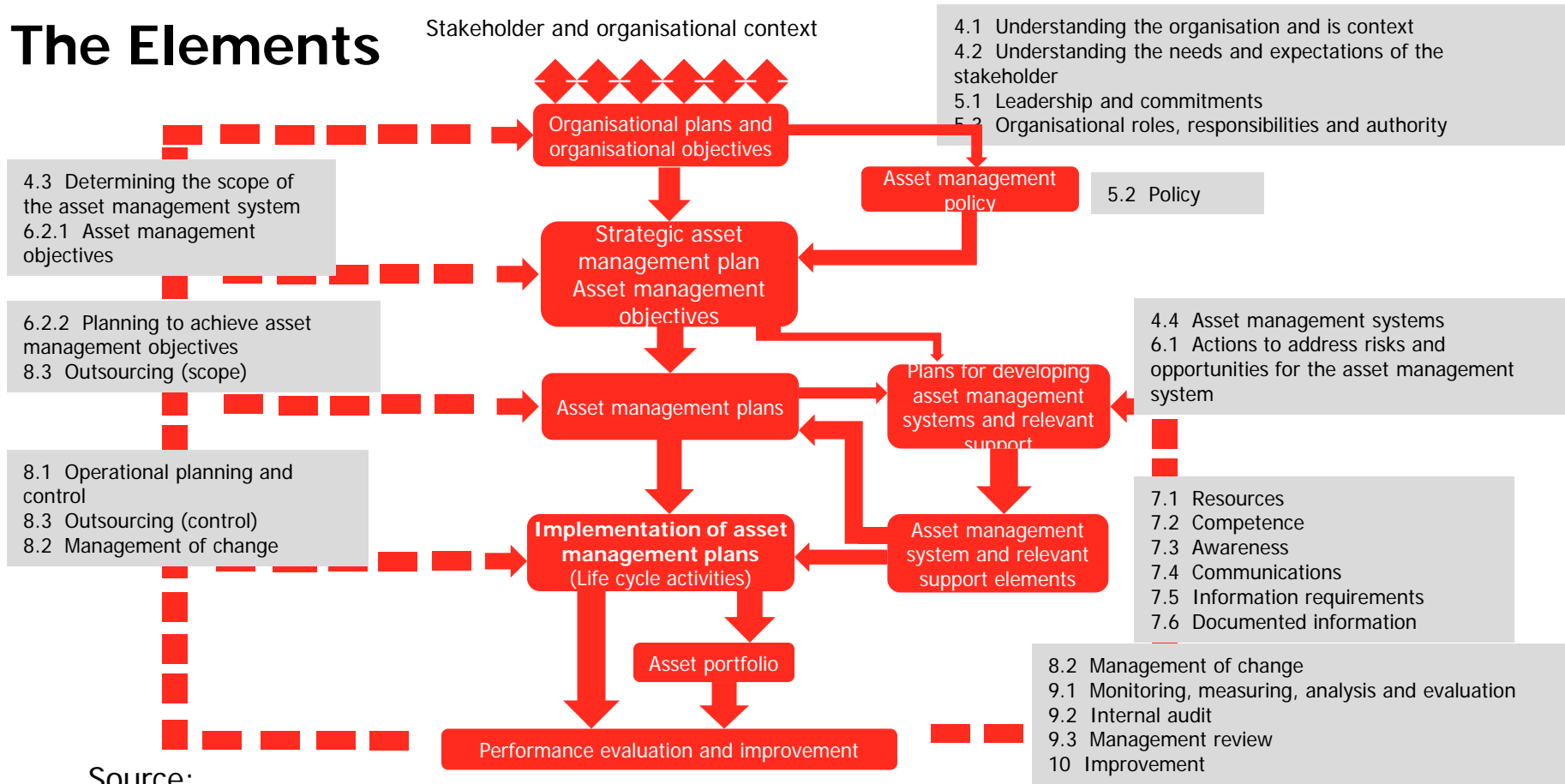


Key Elements of an AMS



The Elements

Stakeholder and organisational context

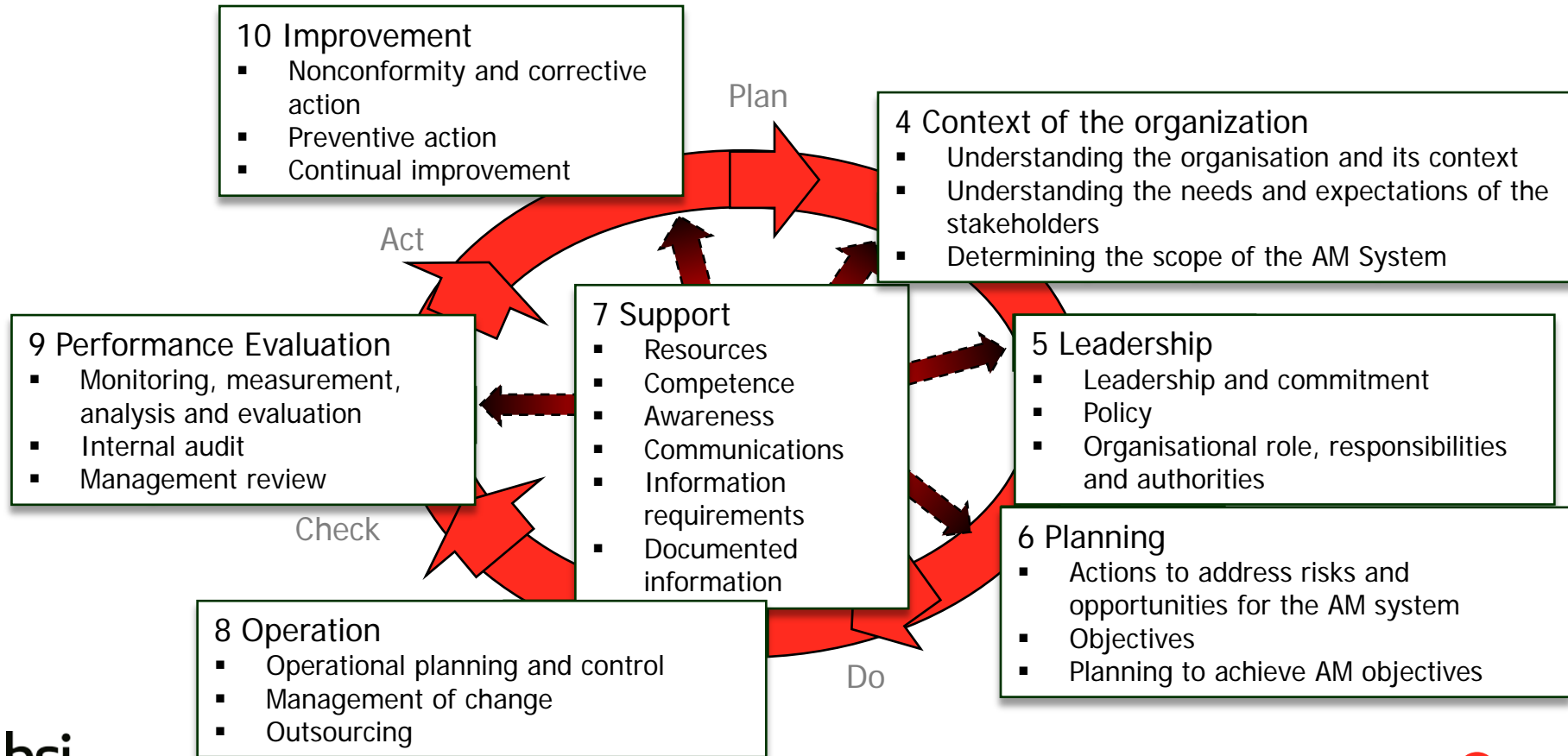


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ISO 55001 - Asset Management System



Value of Assetmanagement: maturity model

Table 1
Asset Management Compact Capability Maturity Model

Dimensions	Strategy	Tools	Environment	Resources
Levels				
Initial	Asset management strategy and goals do not exist or are not accepted.	Tools are applied sporadically, no communication of uncertainties.	Answers are sought internally / ad hoc with the environment.	No separate funding for replacement.
Repeatable	Senior management has no clear plan or designated responsible.	A small set of tools is regularly used, uncertainties are sporadically monitored.	Views of third parties are occasionally taken into account.	The funds for replacement are regularly deployed.
Defined	At the department level there are procedures to set asset management policies and goals.	At the departmental level, a range of standard tools is used.	There is a standard at the departmental level, how to deal with external parties.	There is a method for allocation of funds for replacement.
Managed	Processes and responsibilities between the departments are set.	company wide use of standardized methods and techniques; uncertainties are broadly shared / discussed.	Clear protocols for dealing with external parties on an organizational level.	The allocation method to allocate funds for replacement is set organization-wide.
Optimizing	Policy and strategy are fully supported by management, asset management is fully integrated.	Tools are continuously improved and updated and communicated, uncertainties are shared with partners.	Ongoing coordination with policy makers, market parties, partners.	The resource allocation method has a future-oriented flexibility.

Value of assetmanagement: 4 opportunities

- Outside - In approach: stakeholders
- Line of Sight: vertical top down and bottom up
- Continuous improvement on all levels
- Horizontal coordination

Value of certification of assetmanagement

- To be defined by the audience and during the workshop later on?
- And:
 - Meet expectations
 - Standardise
 - Benchmark
 - Legitimise
 - Improve
 - Learn
 - Integrate

Questions (and answers....)

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...making excellence a habit.™