



Pulse2011



IBM EAM Maximo enabling asset management to PAS 55 standards

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Utilities solution executive

Agenda

- What is PAS 55
- Components of PAS 55
- How does maximo enable PAS 55
- The road to PAS 55



Agenda

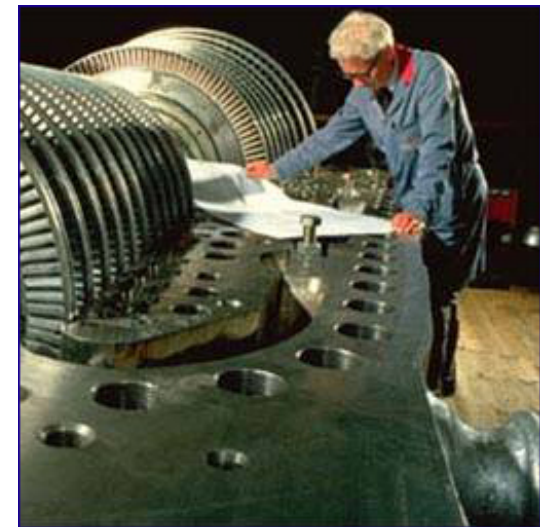
- What is PAS 55
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What is PAS 55

PAS 55 is a public accessible specification for the management of the complete lifecycle of physical assets.

- First released 2004, subsequent review in 2008
- Developed by The Institute of Asset management (UK) and the British Standards Institute
- Defined for all Asset intensive industries
- Requires integration into overall business strategy and environment of an organisation. Not just the responsibility of Asset managers.
- Based on the PDCA cycle, (Plan Do Check Act) focus on continual improvement.



What is PAS 55

The Principles of PAS 55 are not new

- PAS 55 Guidelines for asset management defined as:

“**systematic** and **coordinated** activities and practices through which an organisation **optimally** and **sustainably** manages its **assets** and asset systems, their associated **performance**, **risks** and **expenditures** over their **lifecycles** for the purpose of achieving its **organisational strategic plan**”

- Total Productive Maintenance :

Total productive maintenance is an initiative for **optimizing** the reliability and **effectiveness** of manufacturing **equipment**. TPM is team-based, proactive maintenance and involves **every level** and **function** in the **organization**, from top executives to the shop floor. TPM addresses the entire production system **life cycle** and builds a solid, shop floor-based system to prevent all losses. TPM objectives include the elimination of all accidents, defects, and breakdowns.

- Similar concepts also seen in RCM and Lean maintenance philosophies

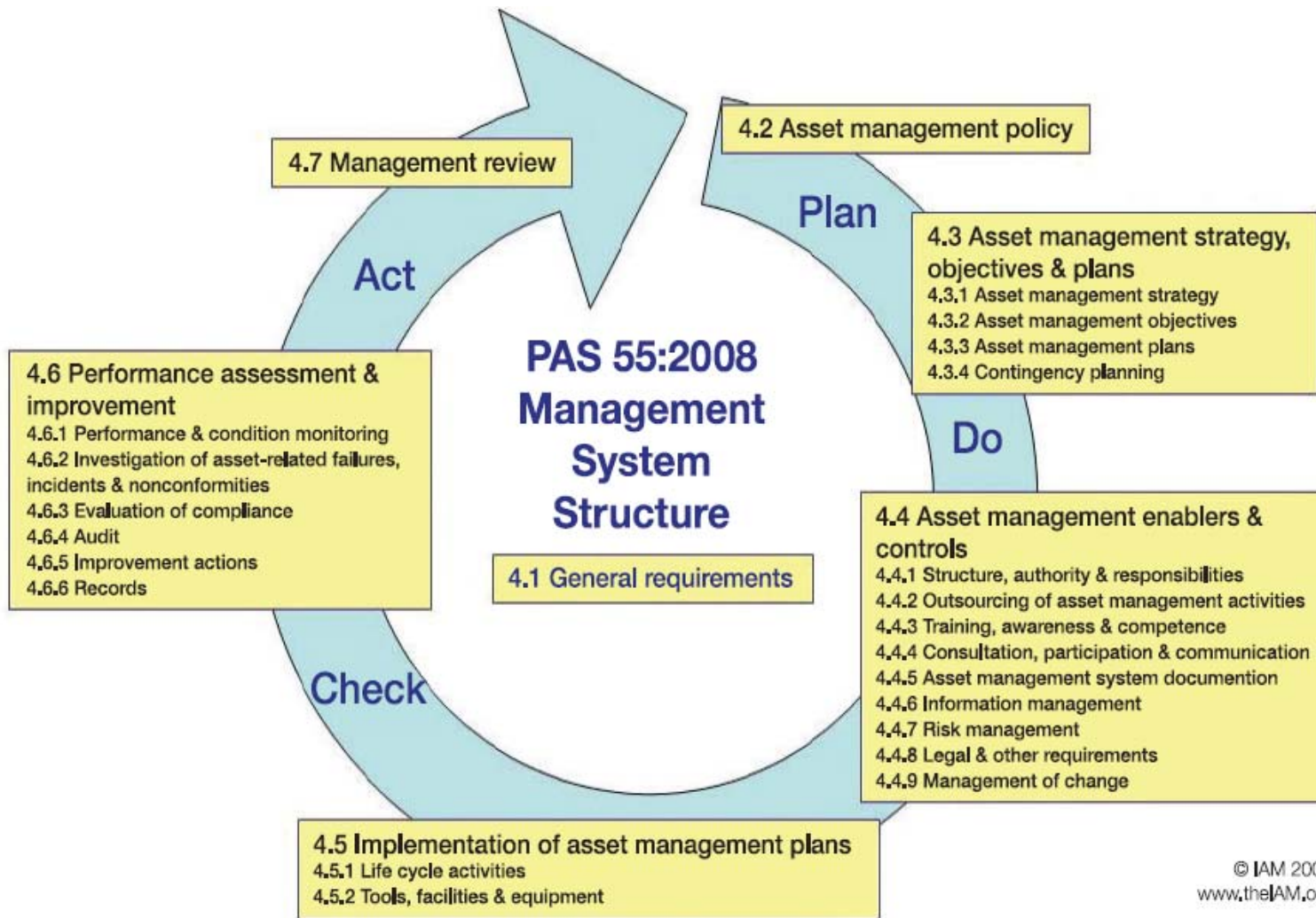


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- **Components of PAS 55**
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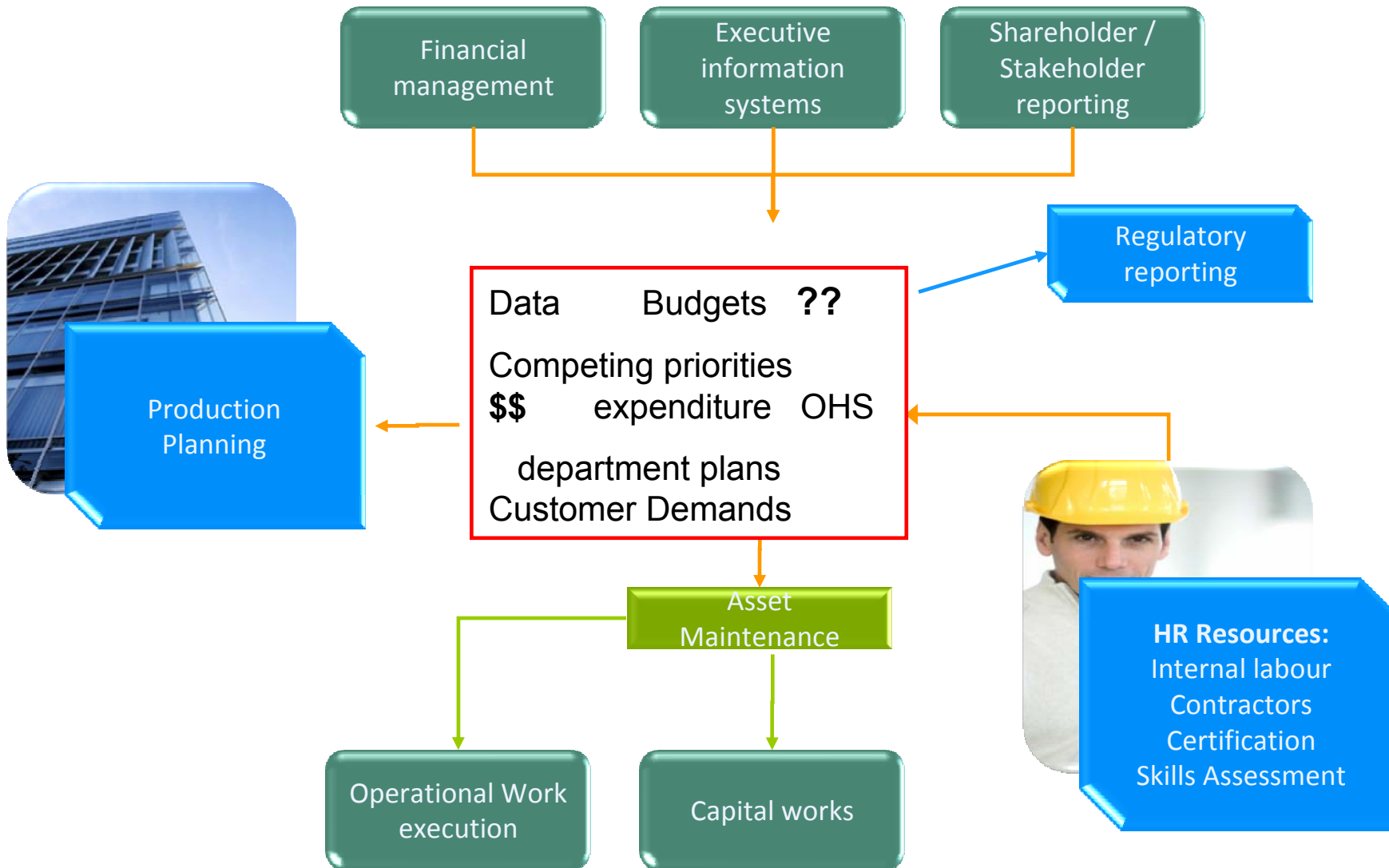
The Components of PAS 55

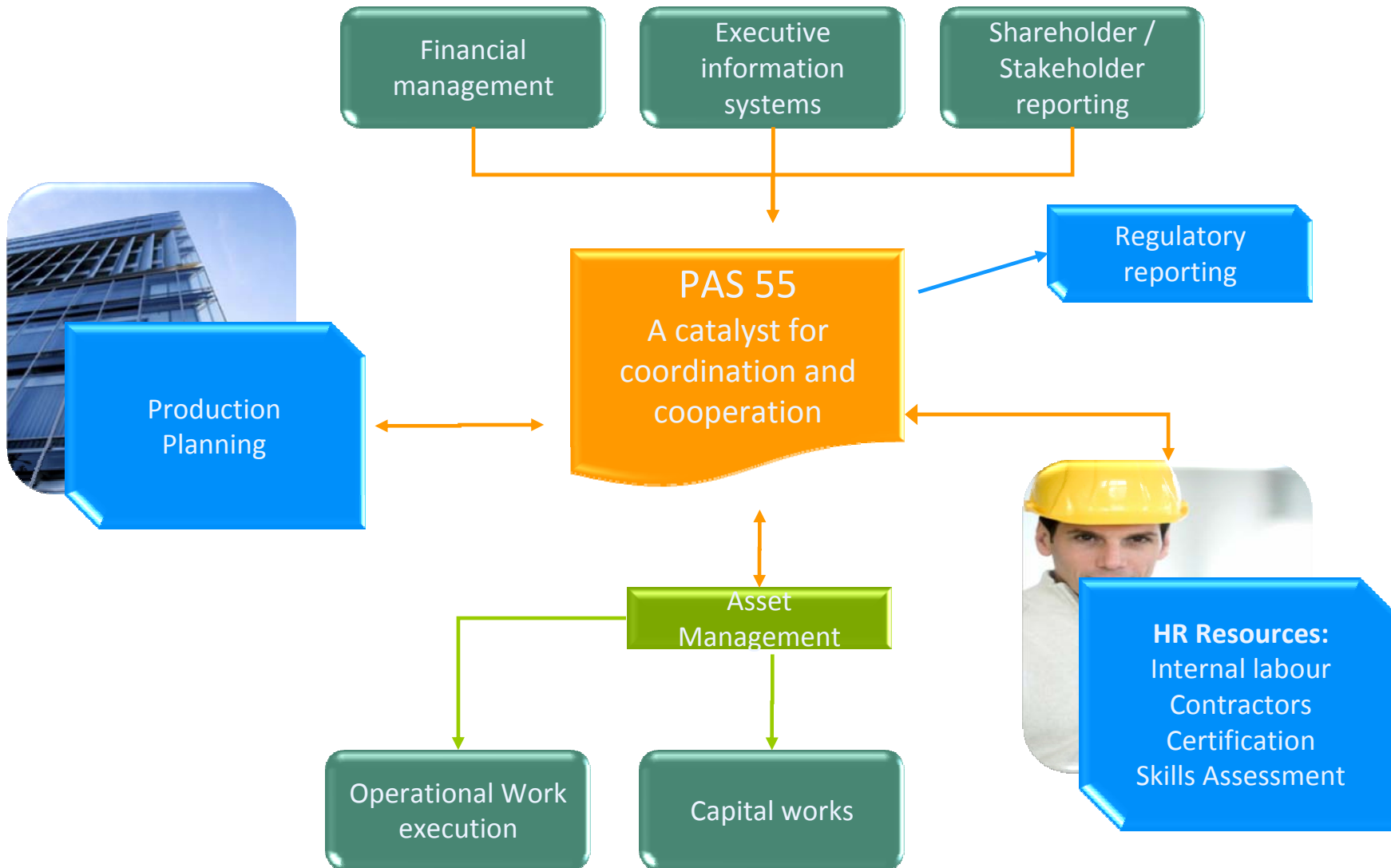


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The components of PAS 55





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IBM EAM enabling PAS 55

- No such thing as PAS 55 EAM system certification
- An EAM system is an enabler for PAS 55, it is not a guide on how to achieve PAS 55
- An EAM system is engaged as a tool used to achieve goals defined in sections
 - 4.4 Asset management enablers and controls
 - 4.5 Implementation of asset management plans
 - 4.6 Performance assessment and improvement
 - 4.7 Management review



IBM EAM enabling PAS 55

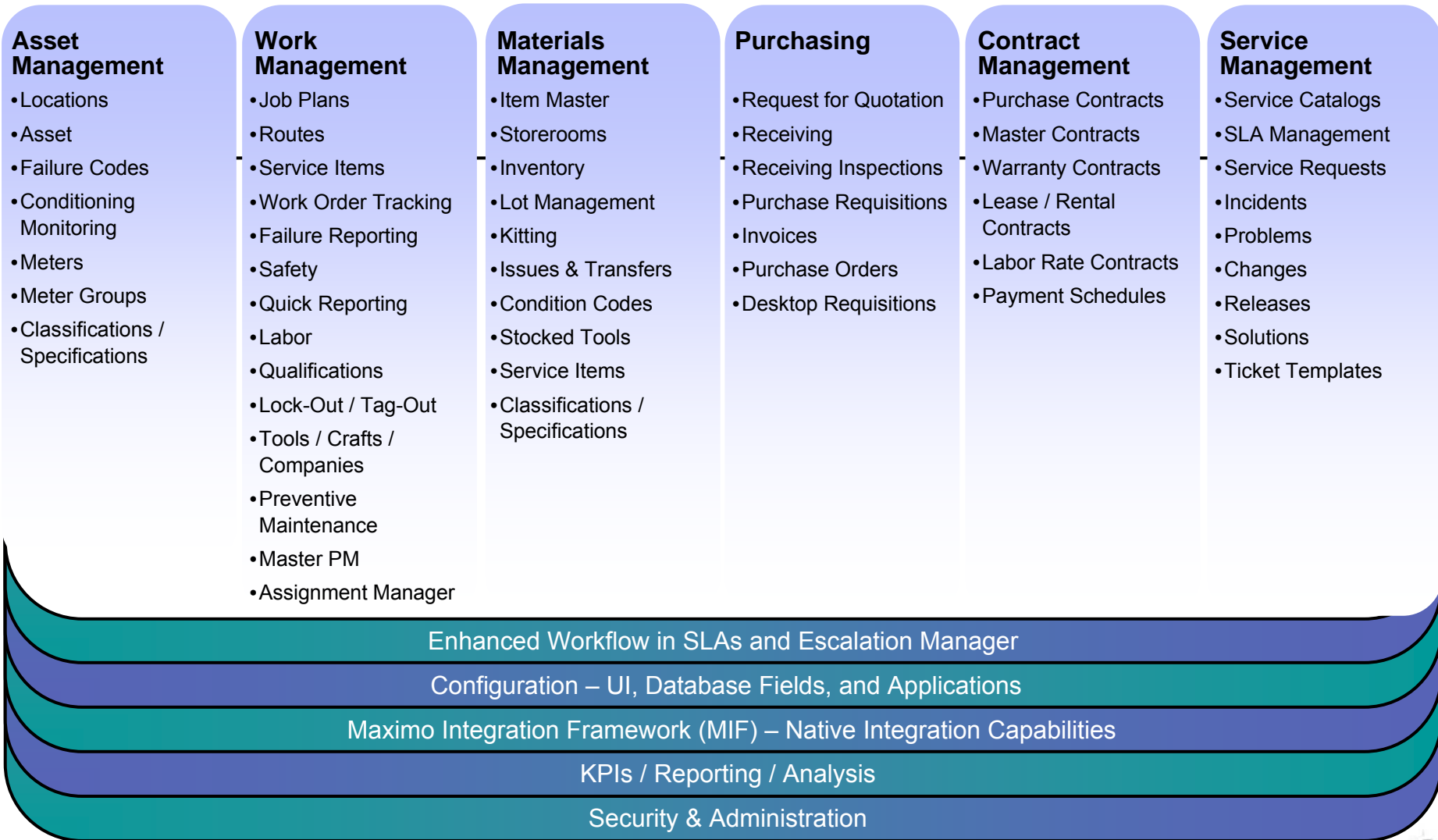
A single solution for all asset types

Fossil Generation	Nuclear Generation	Transmission & Distribution	Vehicle Maintenance	Corporate Functions: IT Asset Mgmt Facilities Mgmt
				
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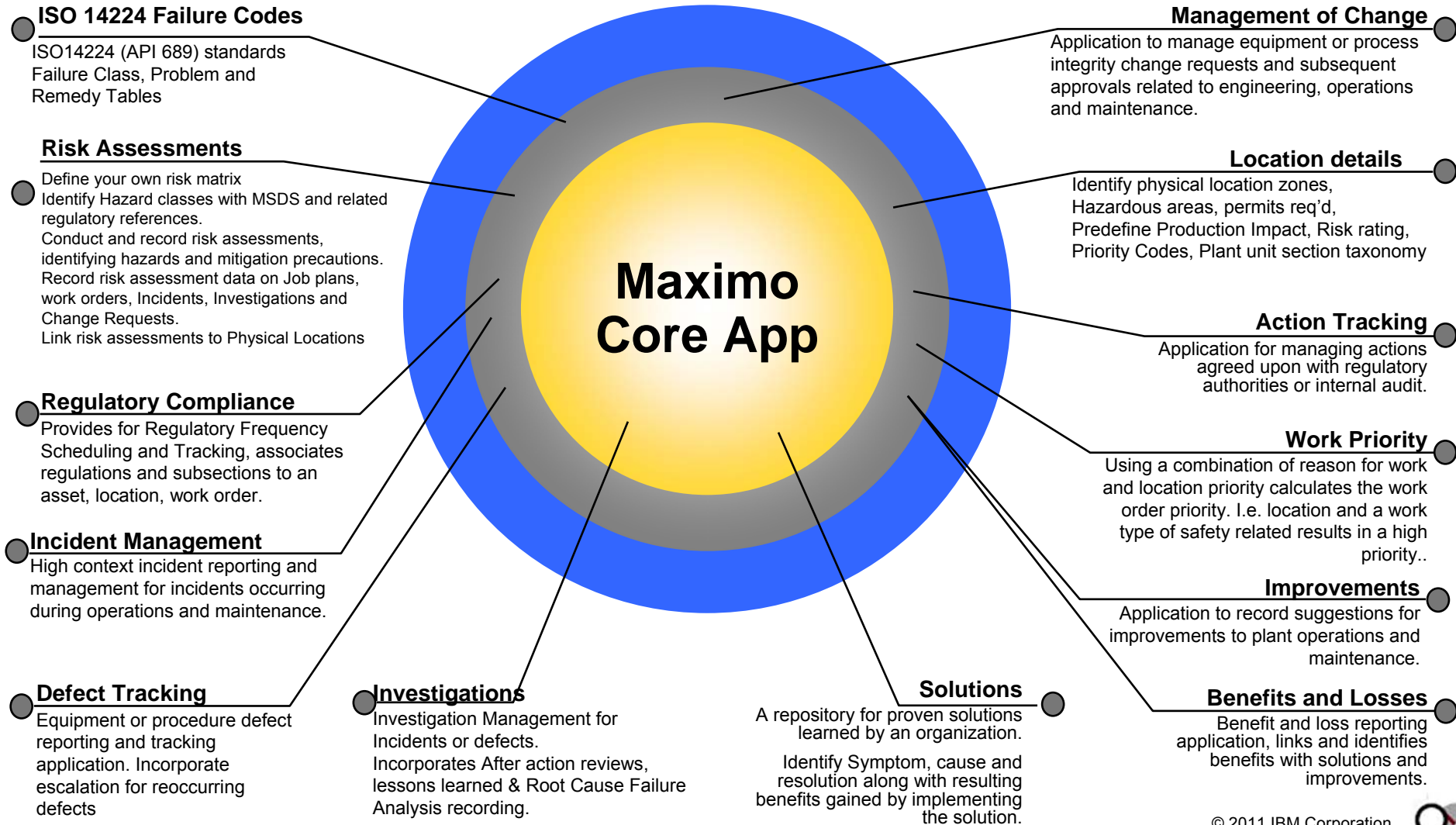




IBM Maximo Core EAM Solution



IBM EAM Enabling PAS 55



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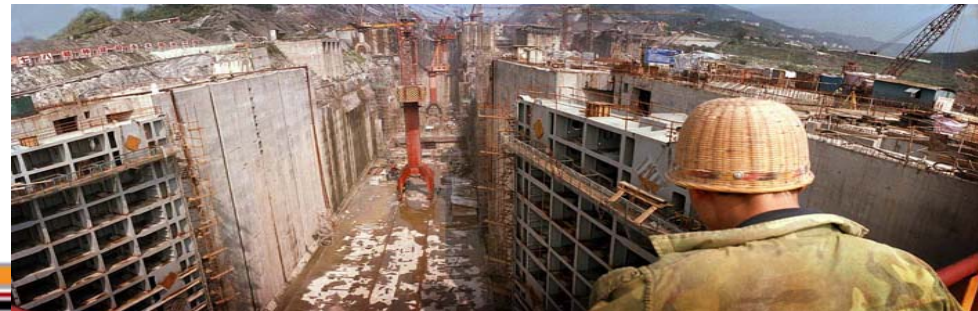
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The Road to PAS 55 Certification

Implementing PAS 55 standards is an evolutionary process

- Identify what you have, where is it, what condition it is in and what is it's criticality
- Review organisation strategic plans and policies – is asset management identified
- Identify the impact of non performing assets, costs, direct & indirect, risks
- Review existing procedures for work planning and prioritisation
- Identify asset performance metrics and reporting mechanisms
- Identify regulatory and legal reporting requirements
- Skills capability assessment
- Define Management communications protocols and processes



The Road to PAS 55 Certification

Progressing along the PAS 55 path

- Implement failure reporting and analysis to start on RCM path
- Review asset performance results
 - From an asset reliability perspective
 - From a service delivery position
 - Are assets meeting requirements outlined in strategic plan
- Review work execution performance
- Introduce Inventory and spares procurement optimisation
- Review work plans and standard job processes
- Refine management reporting outputs
- Introduce skills training and knowledge transfer activities



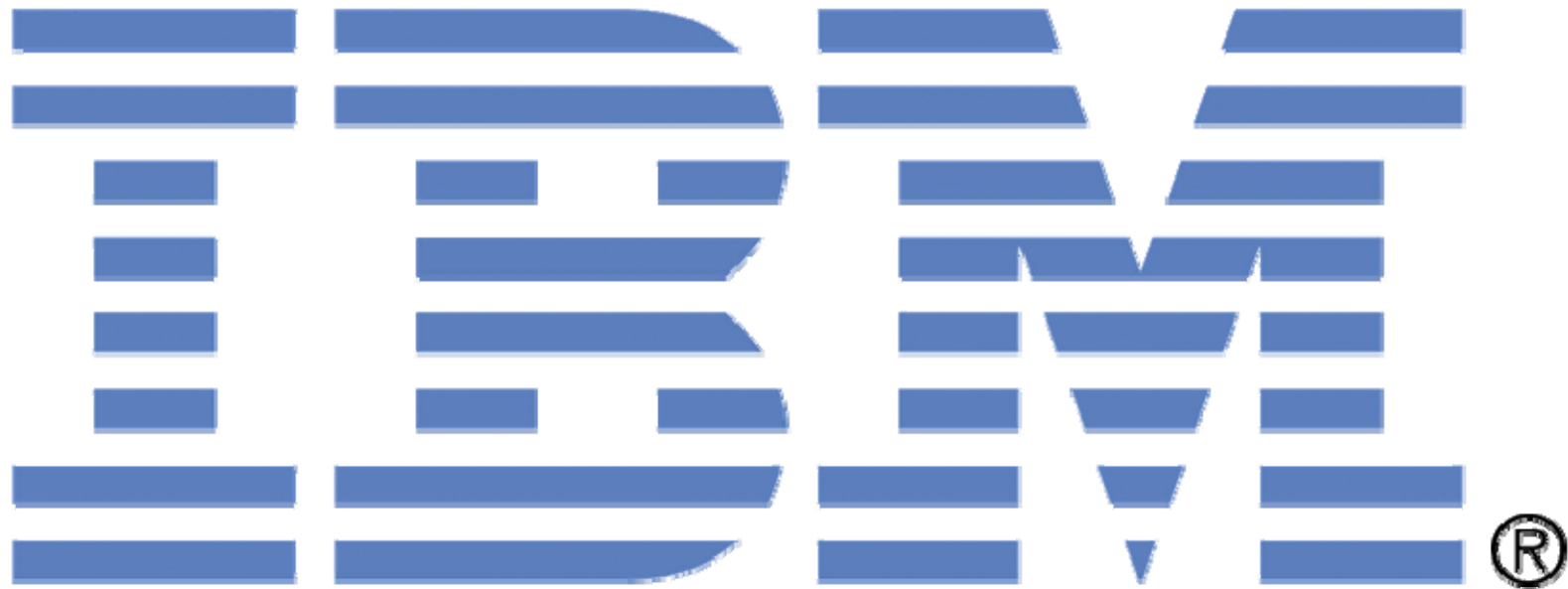
Summary

- PAS 55 is a process not a product
- **PASS 55 is a public accessible specification for the management of the complete lifecycle of physical assets**
- Maximo can help organizations to achieve PAS 55
- Lot of information available online e.g.

<http://pas55.net/default.asp>



Thank You....



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