

26th World Gas Conference

1 – 5 June 2015, Paris, France



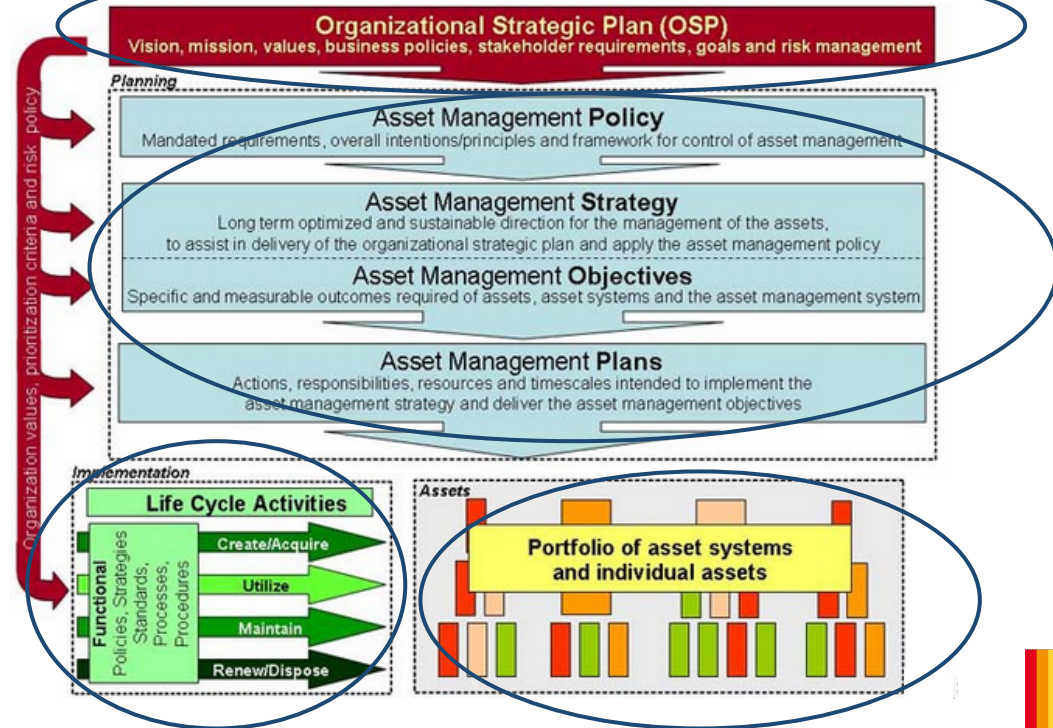
NEW CHALLENGE TO SUPPORT PIPELINE INTEGRITY—
ISO 55000

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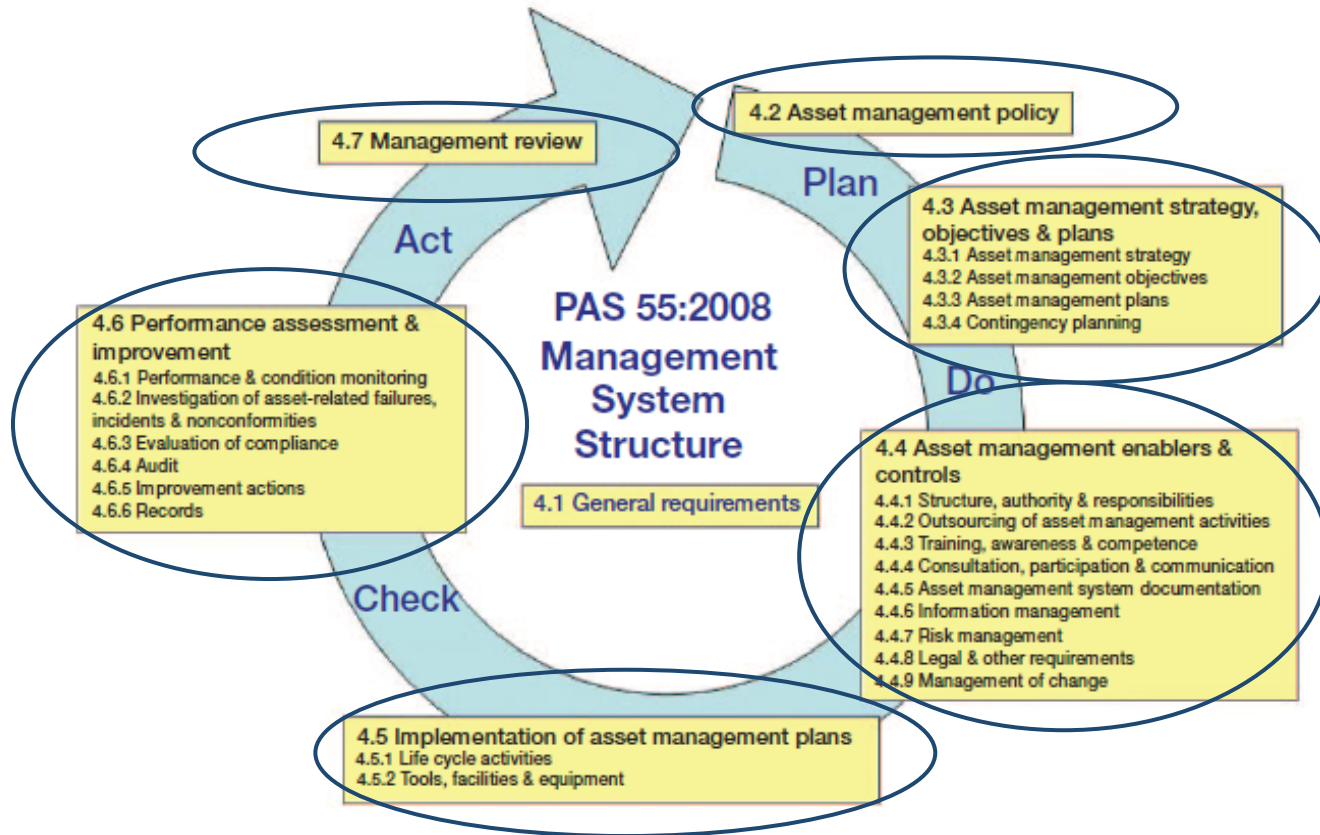


The PAS 55's definition for the Assets Management

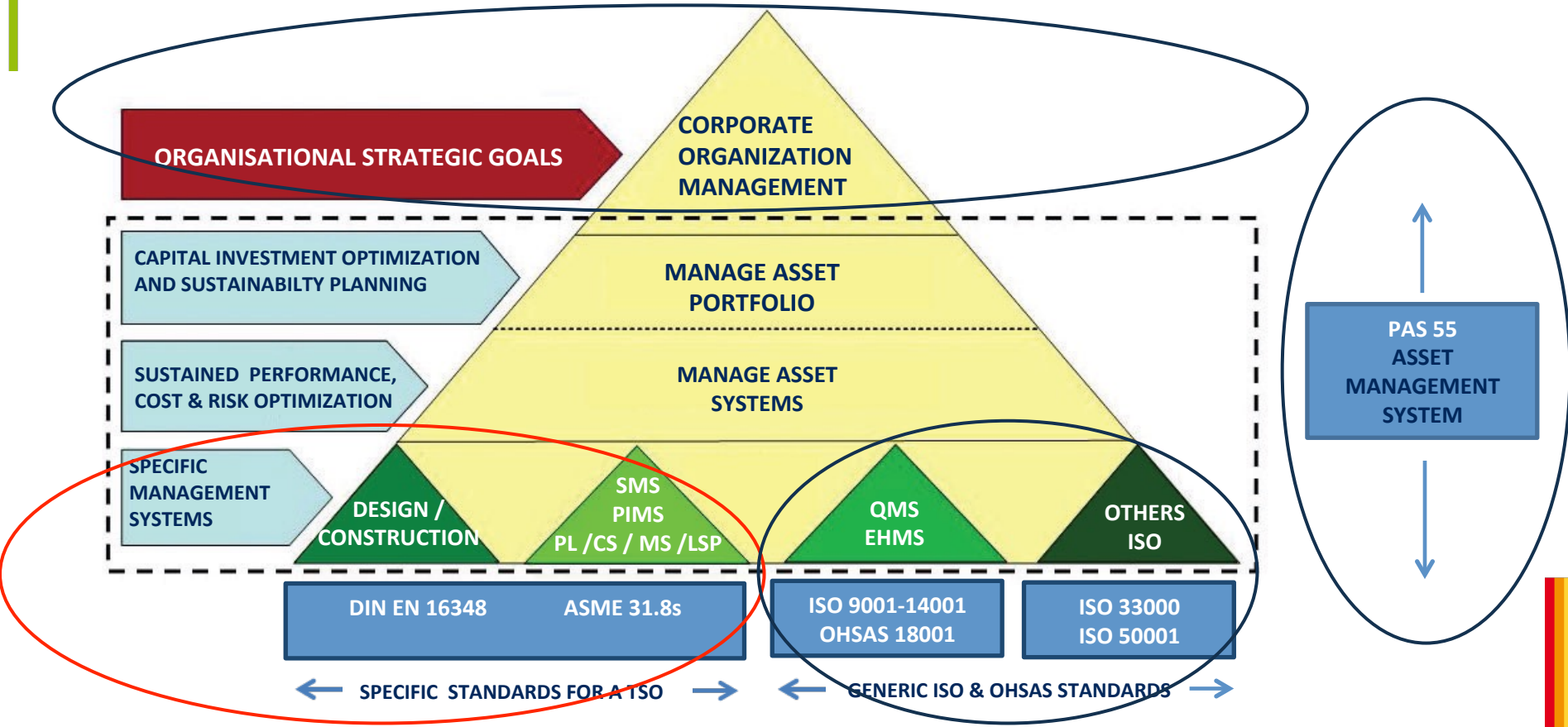
“The systematic and coordinates practices through which an Organization optimally and sustainably manages its Assets and Asset Systems, their associated performance, risk and expenditures over life cycles for the purposes of achieving its Organizational Plan”



Structure of PAS 55:2008 – 28 points requirements

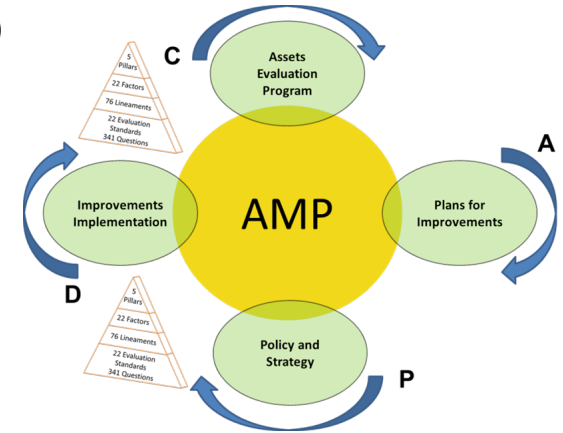


Integrated Management System for a Gas Transmission Company based on the PAS 55



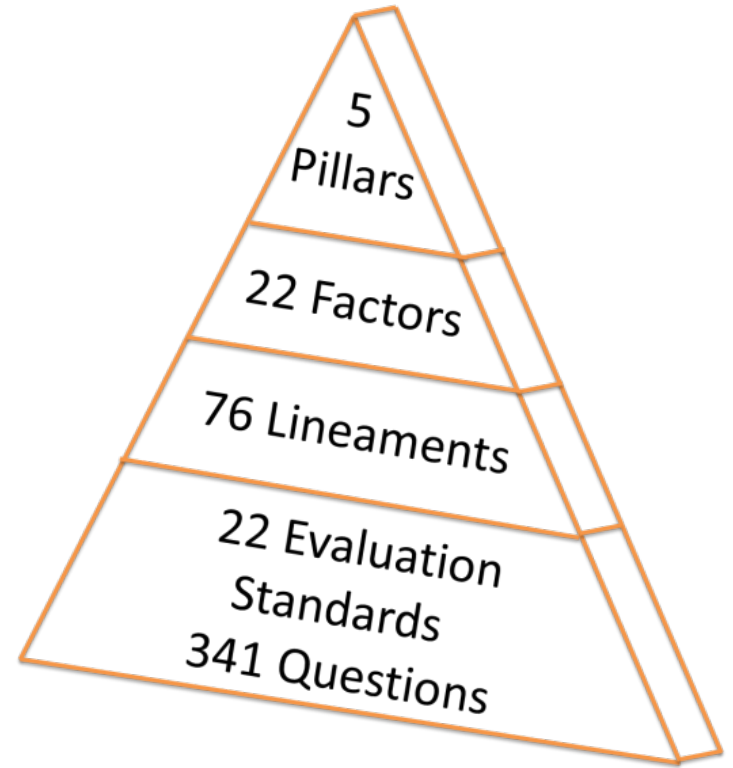
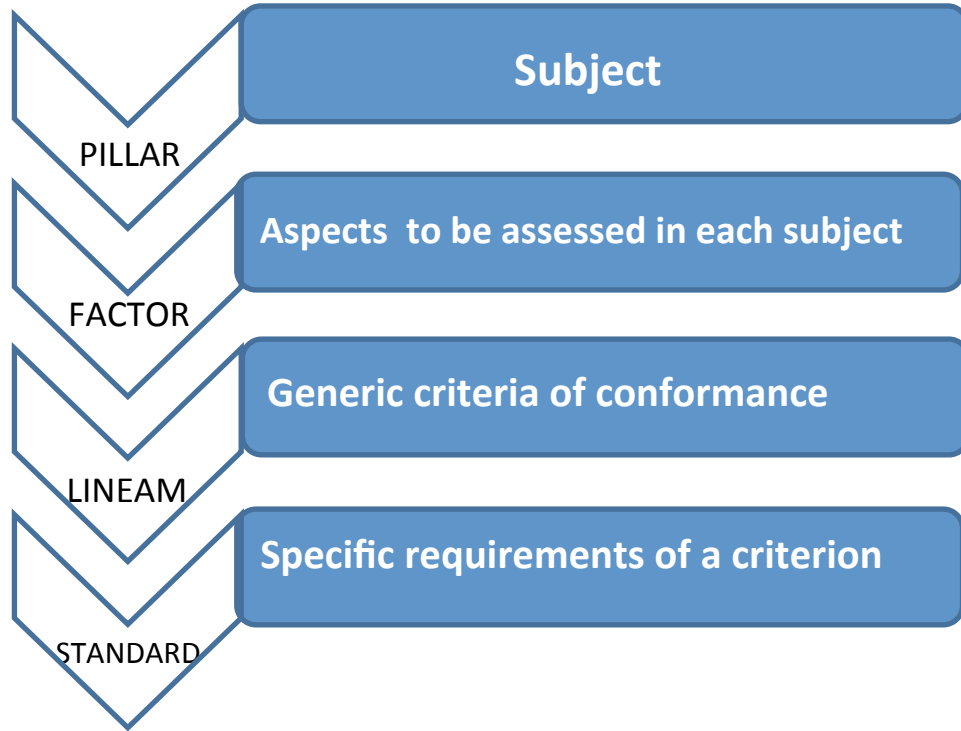
The Integrated Management System of TGS

- Based on ISO 55001 (new and up-dated version of the PAS 55)
- Aligned with the Corporate Strategy
- **Customized for a Gas Transmission Company**
- **Supports efficiently PIMS**
- Generic ISO Standards (EHQ) embedded in it
- Thematic pyramidal structure for the requirements
- PDCA on annual basis (Asset Managing Program)
- Initial self-assessment made through a questionnaire built “ad hoc” that comprises 341 questions that implicitly define requirements. Interviews made in the Sites
- From “ **What to do**” to “**How to do**” in a Gas Transmission Company

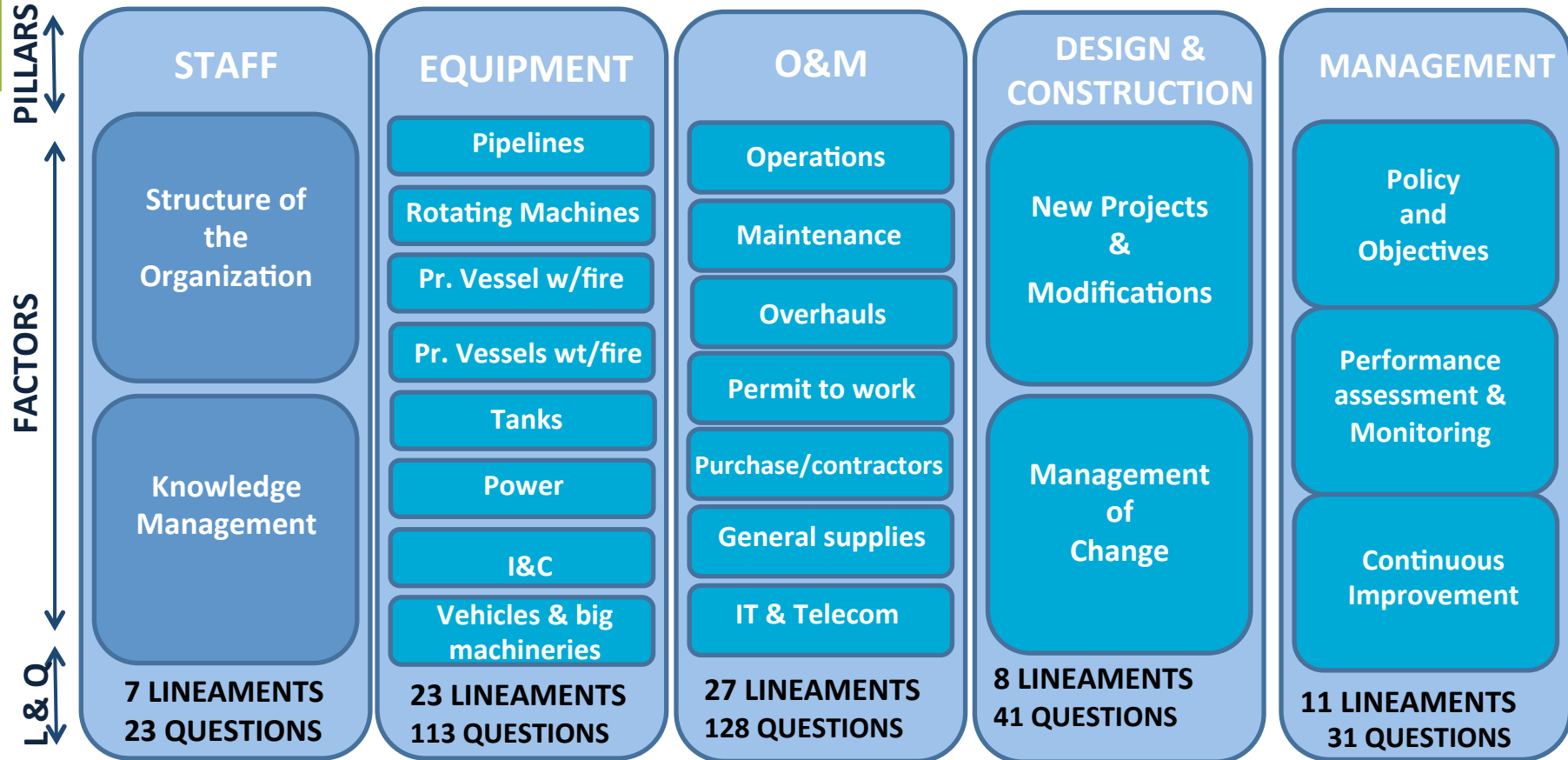


The Project started in 2013 and the ISO 55001 certification is due later 2016

Pyramidal structure of the Requirements



Pillars, Factors , Lineaments & Requirements (“questions”)



Example of a cascade question (1 of 341!)

PILLAR 1

STAFF

FACTOR 1.1

STRUCTURE OF THE ORGANISATION

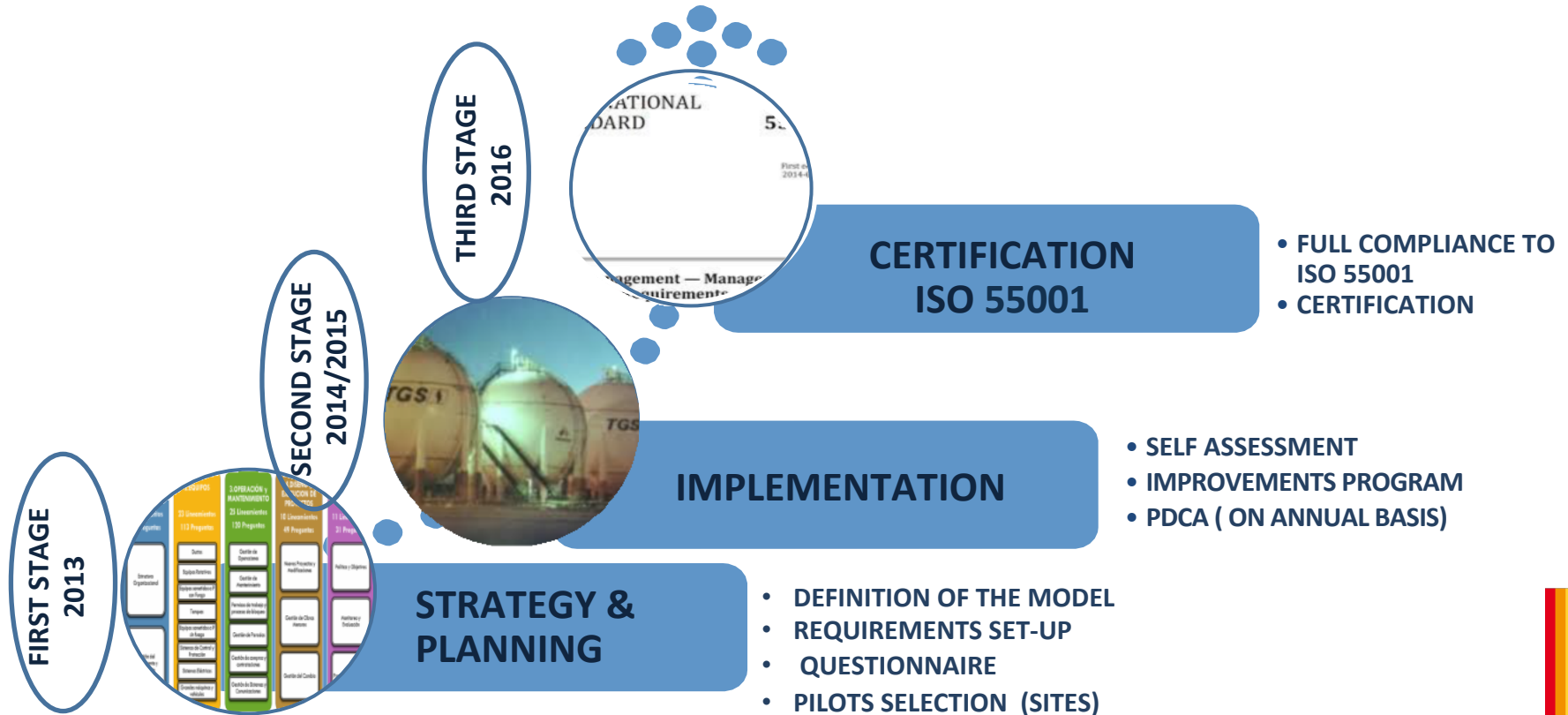
LINEAMENT 1.1.1

THE ORGANISATIONAL STRUCTURE MEETS THE REQUIREMENTS FOR A SUSTAINABLE OPERATION

.....
.....

QUESTION 1.1.1.4 LABOUR CLIMATE - LEADERSHIP	NOT FULFILLED	INCIPIENT OR NOT SYSTEMATIC	FULFILLED
How does the company evaluate the labour climate?			X
How were the results of the survey relating to the leadership?		X	
Were the actions taken from the survey effective?.....			X

Schedule of the Project



The benefits of the IMS

- Align the Asset Management with the overall Business Strategy obtaining sustainable results
- Maximise the asset availability
- Manage efficiently the assets along the whole life cycle.
- All processes optimised and balanced in terms of Performance, Cost and Risk
- Maximise the return on assets
- Foster an organisational culture focused on quality, safety and continuous improvement

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