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# MCTY2013

Maximo Comes to You



**Ontdek de verborgen waarde van onderhoud met  
het VDM Control Panel voor Maximo**

**Mark Haarman & Joris Dircx**

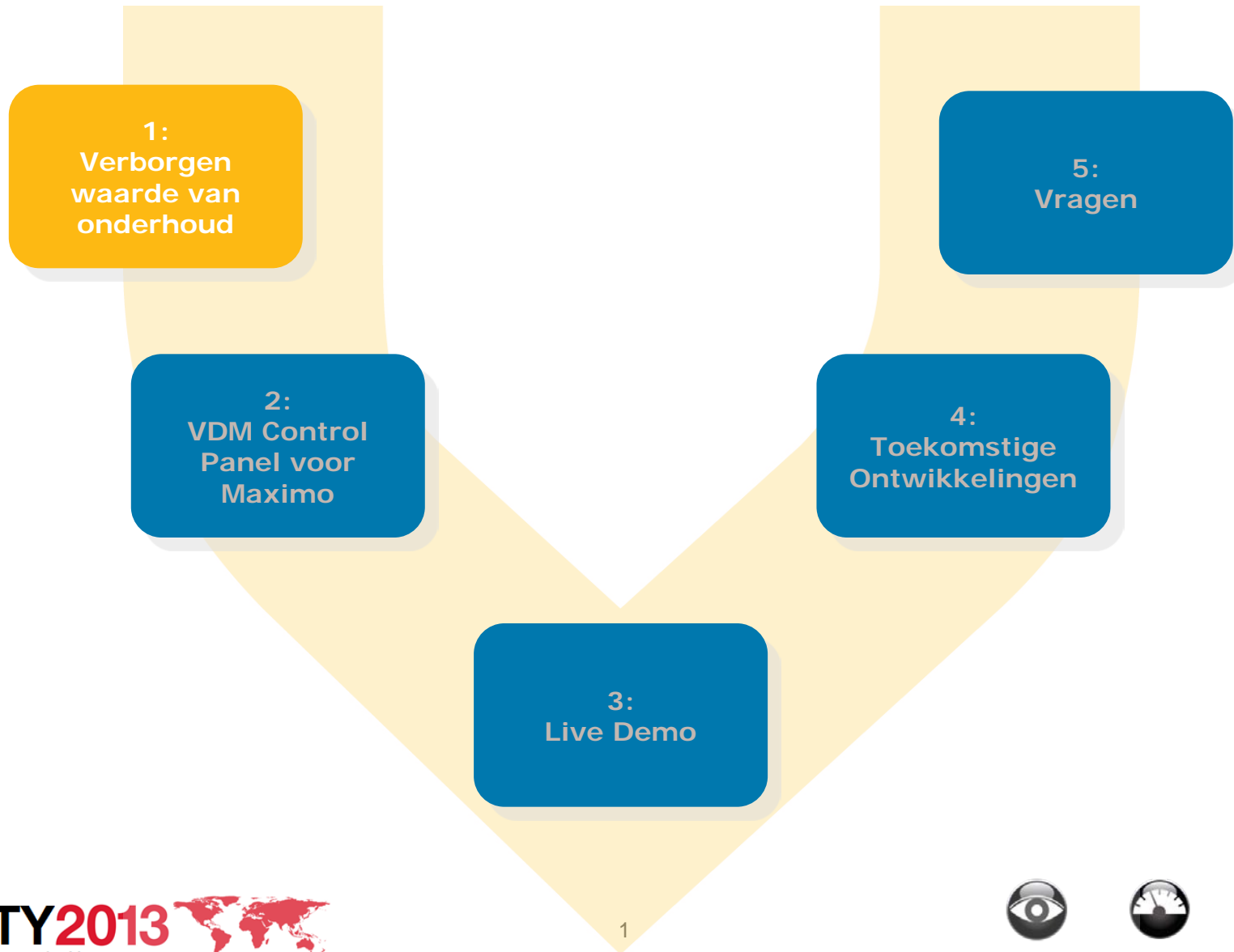
IBM Software >

## Cloud & Smarter Infrastructure

Visibility. Control. Automation.



# Agenda





# BP cost-cutting blamed for 'avoidable' Deepwater Horizon oil spill

- Disaster could have been prevented – White House
- Complacency 'could lead to another catastrophe'

Suzanne Goldenberg



The Guardian, Thursday 6 January 2011

Jump to comments (92)



Many of the poor decisions taken on the Deepwater Horizon drilling rig before the fatal blow-out on 20 April were taken to save time and money.

Fire crews battle the blazing remnants of the Deepwater Horizon oil rig, Gulf of Mexico, in April last year. Photograph: Gerald Herbert/AP

The oil spill in the Gulf of Mexico was an avoidable disaster caused in part by a series of cost-cutting decisions made by BP and its partners, the White House oil commission has concluded.

## Oil spill: safety valve was wrongly plumbed on rig, says BP executive

The safety valve that failed to prevent the Deepwater Horizon rig exploding in the Gulf of Mexico was wrongly plumbed, according to a senior BP official.



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Mr Thierens gave evidence from a log he kept at the time recording his surprise that the blowout preventer had been modified.

Image 1 of 3

Harry Thierens, BP executive vice president for drilling and completions, is sworn in during the Deepwater Horizon joint investigation hearings. Photo: AP

10:17PM BST 25 Aug 2010

21 Comments

Harry Thierens, BP's vice president for drilling and completions, told a US political hearing that the blowout preventer was connected to a test pipe, rather than the correct one.

"It would mean that the pipe rams could not be closed," Mr Thierens said in evidence to a federal panel on Wednesday. "I was frankly astonished that this could have happened."

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VISIBILITY



CONTROL



AUTOMATION

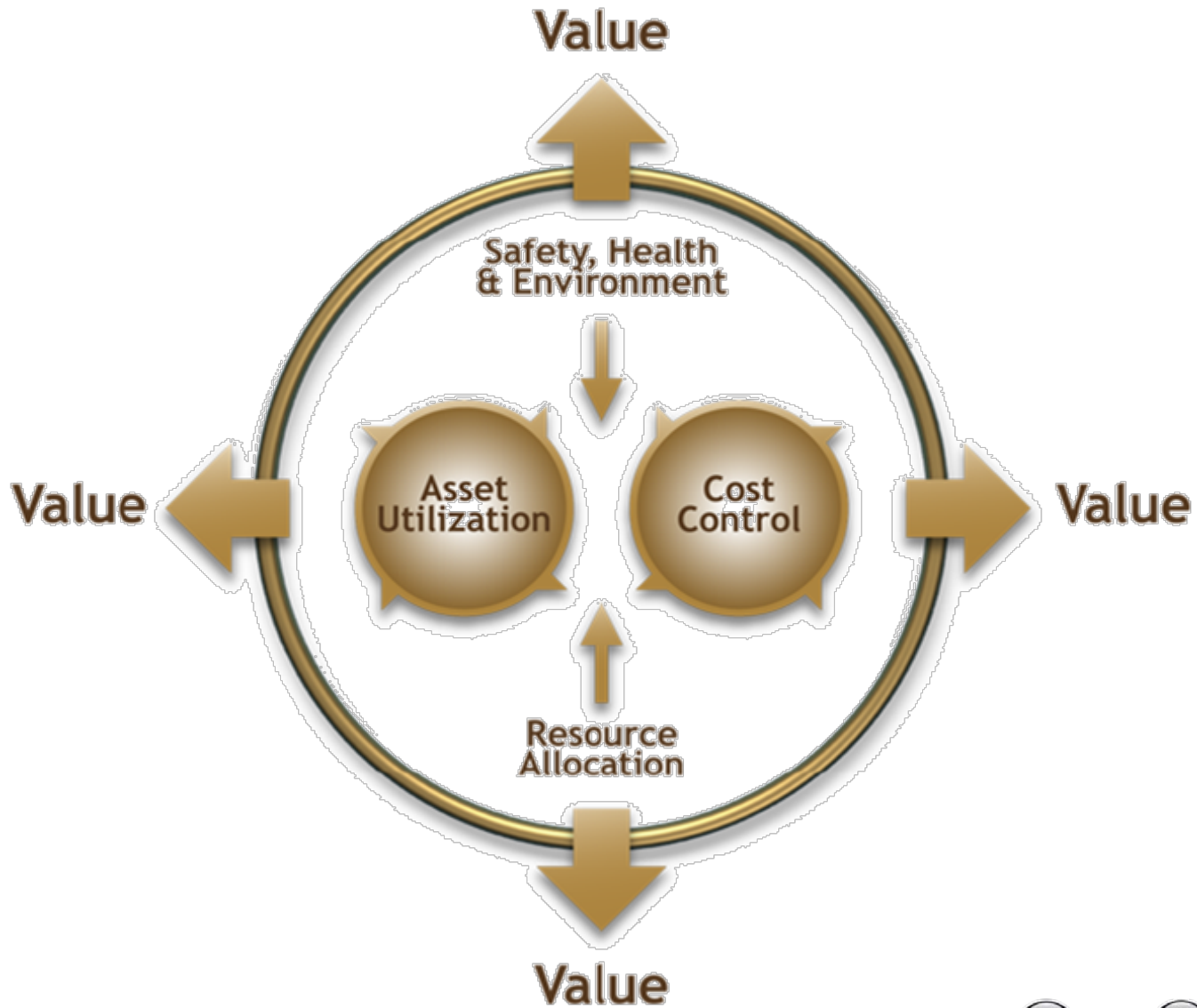
# Ook in de Nederland!

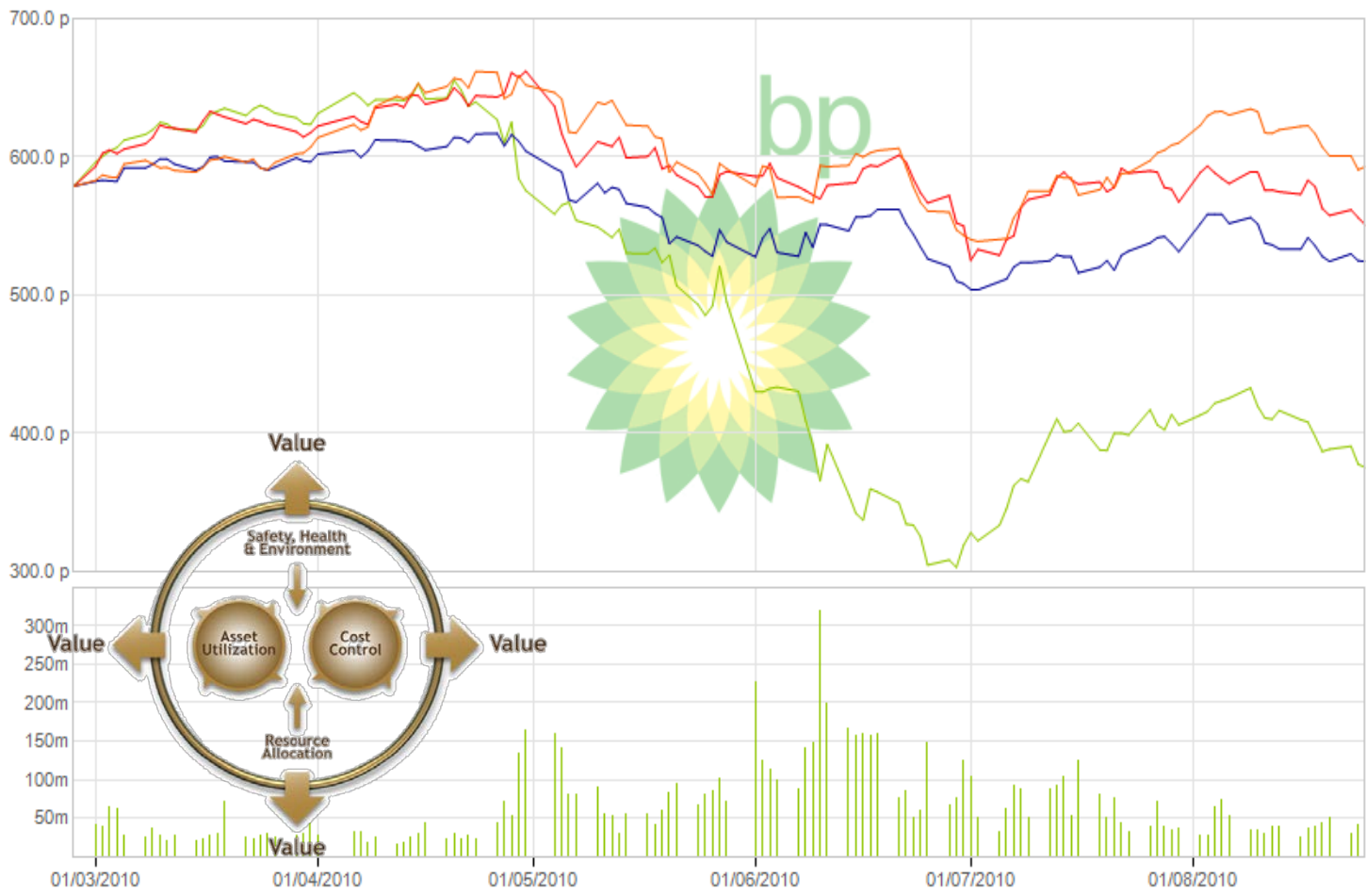


# Value Driven Maintenance



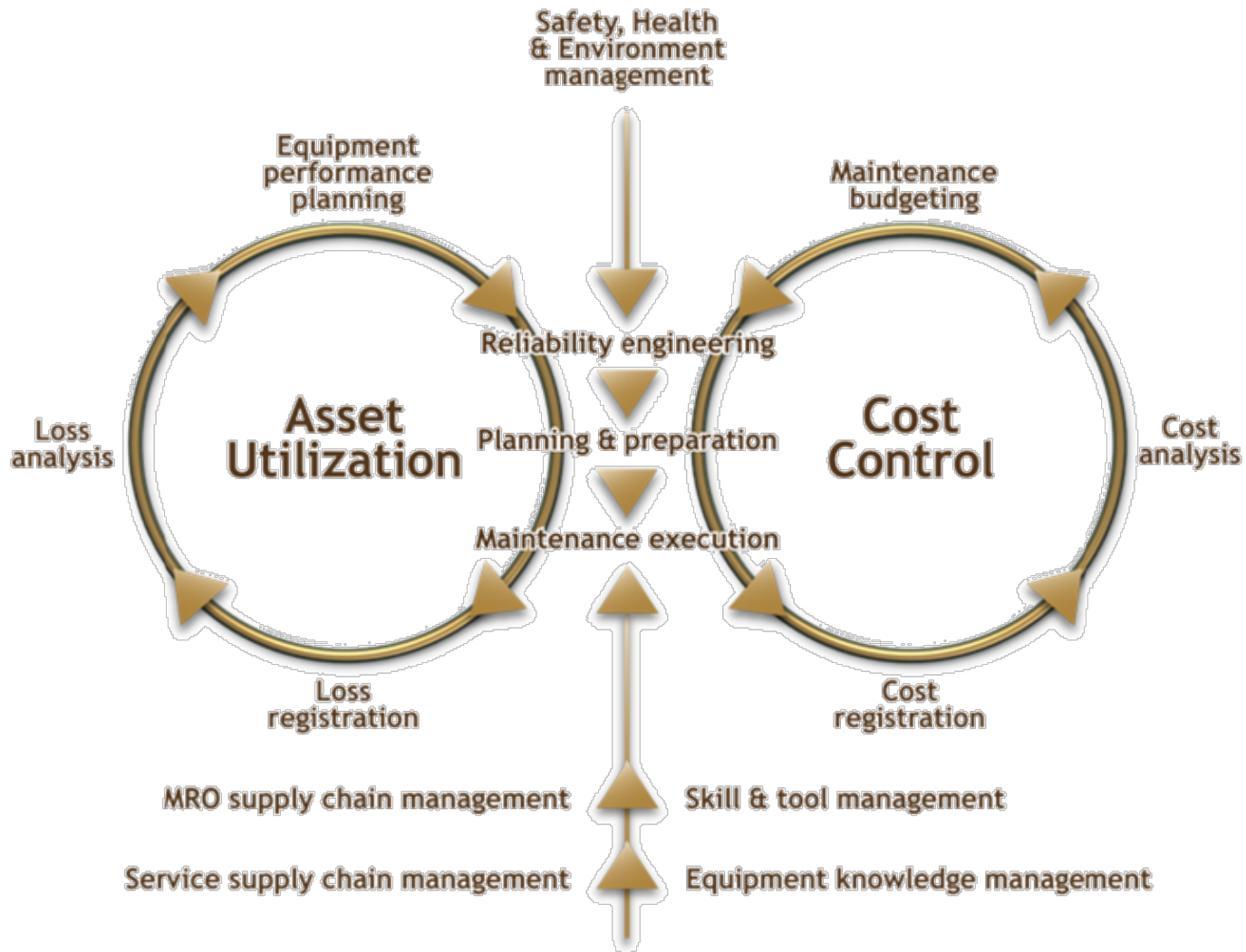
# Waarde van onderhoud



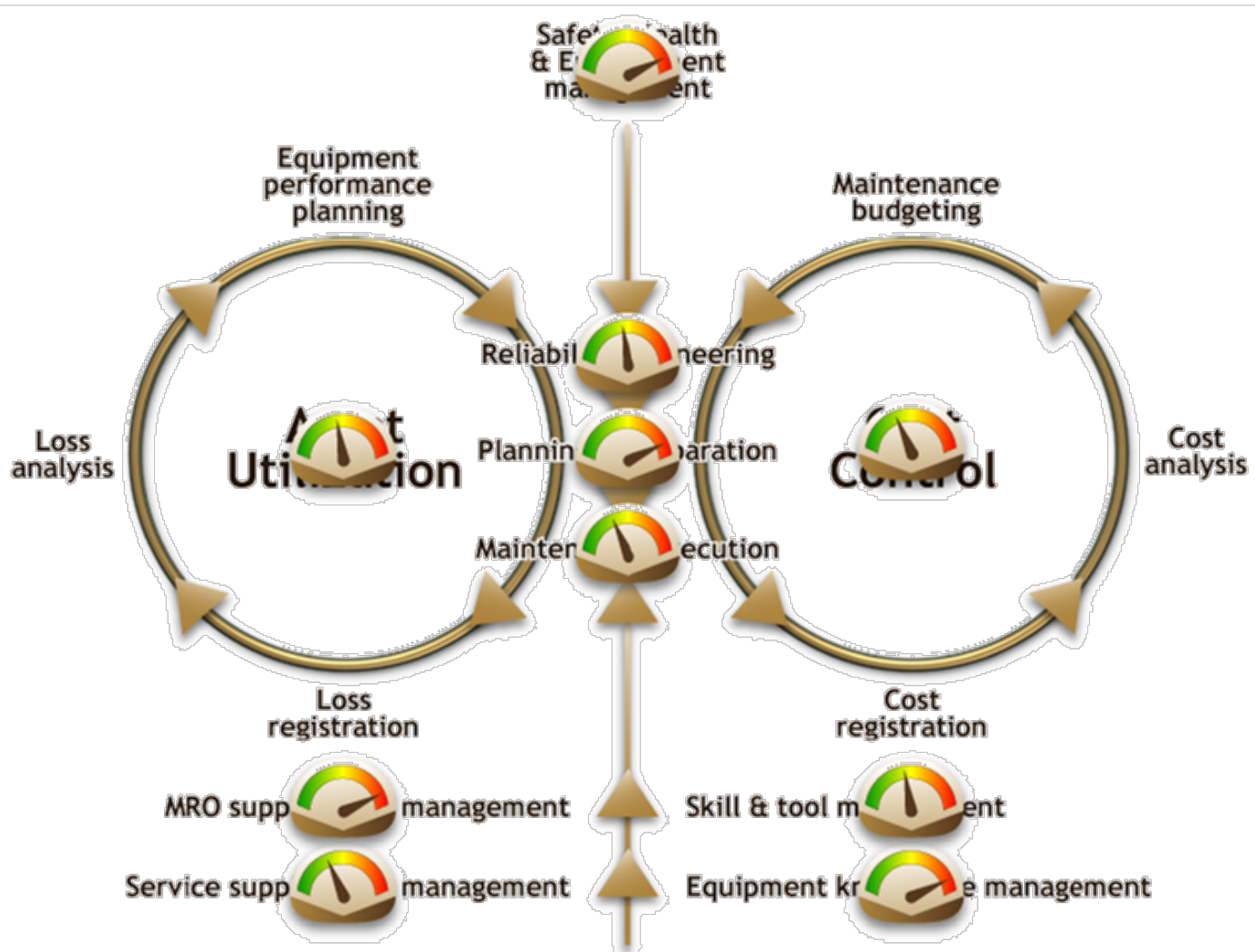




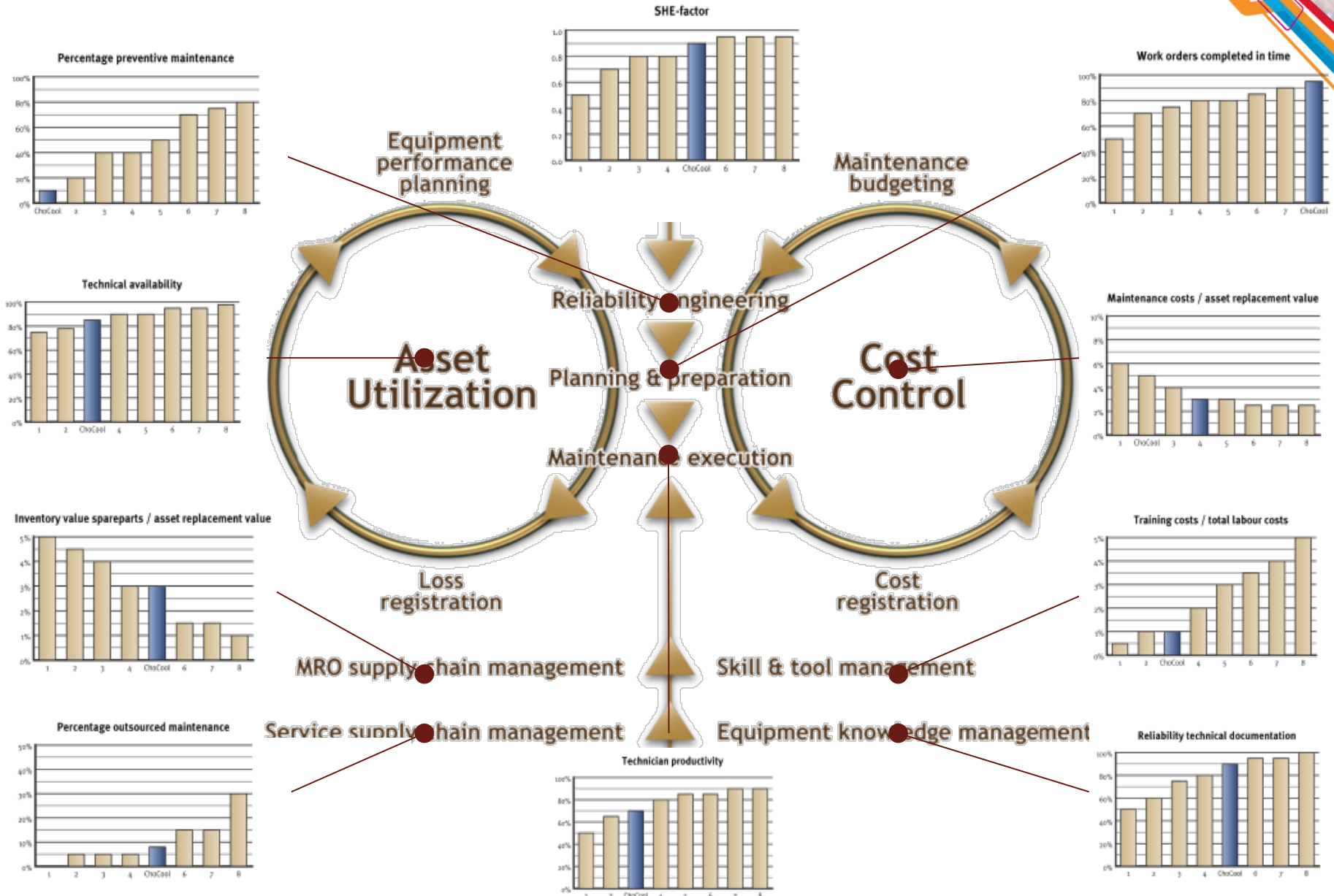
# Besturingsmodel



# Key Performance Indicatoren



# Benchmarking

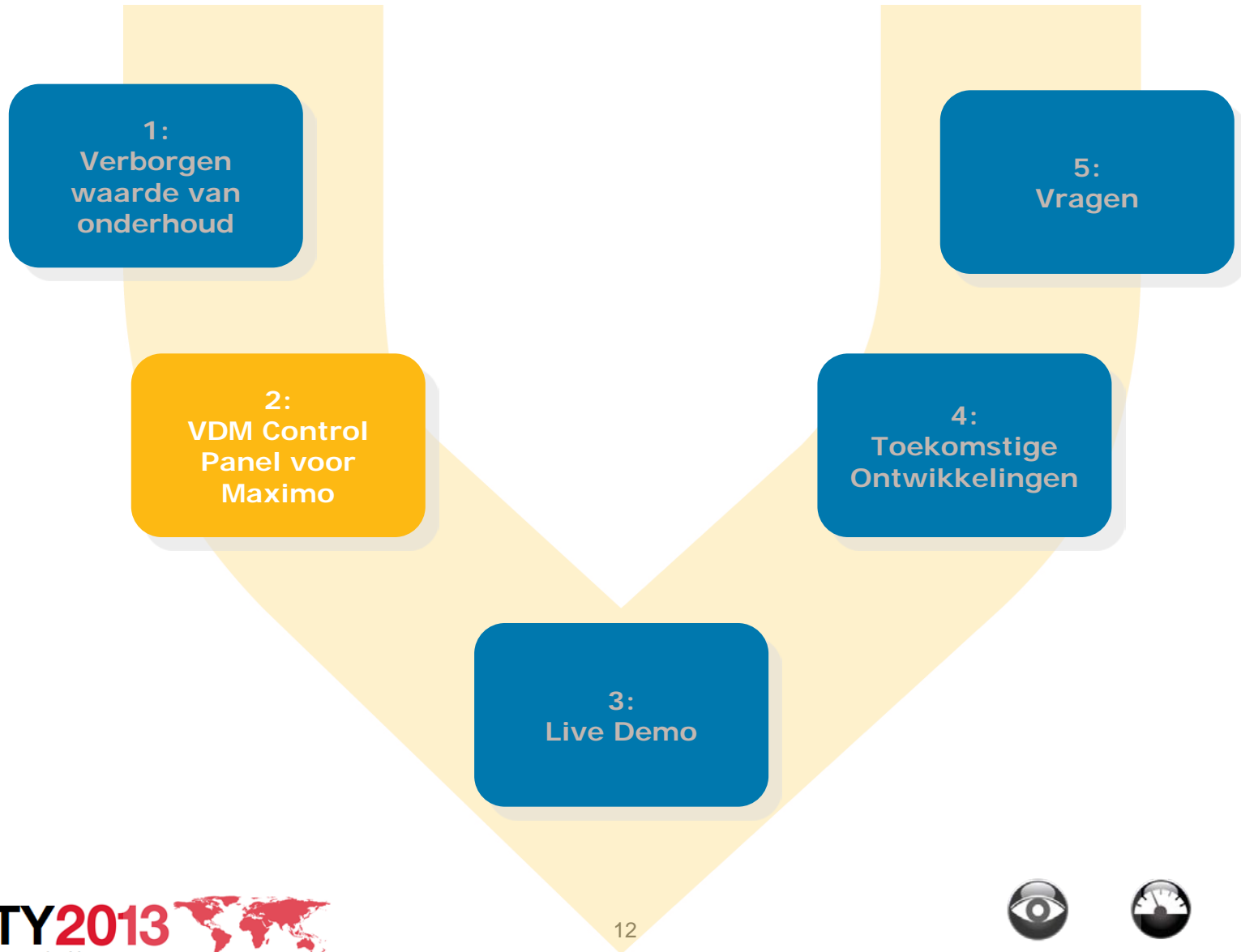


# Geautomatiseerd KPI Dashboard

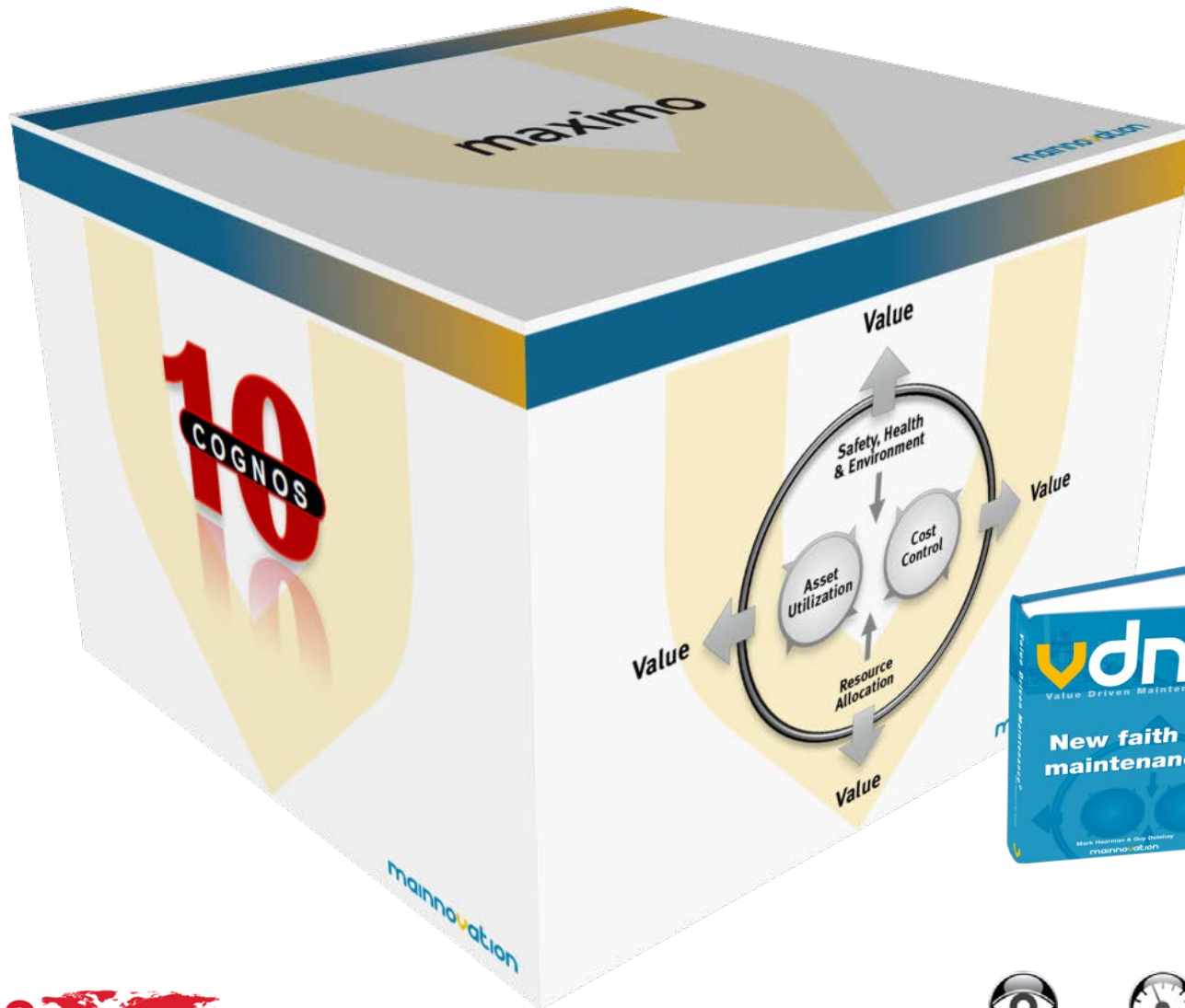


**vdm**  
Control Panel

# Agenda



# VDM Control Panel voor Maximo



# Wat zit in de doos?

**Out of the box Analytic Application**

Asset Utilization, Cost Control, Maintenance budgeting, Reliability engineering, Planning & preparation, Maintenance execution, Equipment performance planning, Safety, Health & Environment management, Loss analysis, Loss registration, MRO supply chain management, Service supply chain management, Skill & tool management, Equipment knowledge management, Cost analysis, Cost registration.

**Predefined Library of Graphs...**

Table of Contents

- Asset Utilization - Dashboard
- Asset Utilization - Cost Control
- Asset Utilization - Asset Utilization
- Asset Utilization - Reliability Engineering
- Asset Utilization - Performance Dashboard
- Asset Utilization - Maintenance Dashboard
- Asset Utilization - Service Dashboard

Asset Utilization - MRO Issues - Reliability Engineering

- RE 0000 S - Dashboard
- RE 0000 S.1 - Dashboard
- RE 0001 S - Preventive maintenance costs / total maintenance costs per month
- RE 0001 S.1 - % Preventive maintenance costs per month
- RE 0001 S.2 - % Preventive maintenance costs per location
- RE 0001 S.3 - % Preventive maintenance costs per location
- RE 0002 S - PM work orders not completed in time per month
- RE 0002 S.1 - % PM work orders overdue per month
- RE 0002 S.2 - % PM work orders overdue per location
- RE 0002 S.3 - % PM work orders overdue per location
- RE 0003 S - PM preparation precision per month
- RE 0003 S.1 - PM Preparation Precision
- RE 0003 S.2 - PM Preparation Precision by location
- RE 0004 S - Breakdown costs versus PM costs
- RE 0004 S.1 - Breakdown costs versus PM costs by location
- RE 0004 S.2 - Breakdown costs versus PM costs per month
- RE 0004 S.3 - Breakdown costs versus PM costs per month
- RE 0005 S - Failure rate versus PM frequency
- RE 0005 S.1 - Failure rate and PM frequency per location
- RE 0005 S.2 - Failure rate and PM frequency per month
- RE 0006 S - Preventive work order costs per month
- RE 0006 S.1 - Preventive work order costs per month

**Ad Hoc Analysis**

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VISIBILITY



CONTROL



AUTOMATION

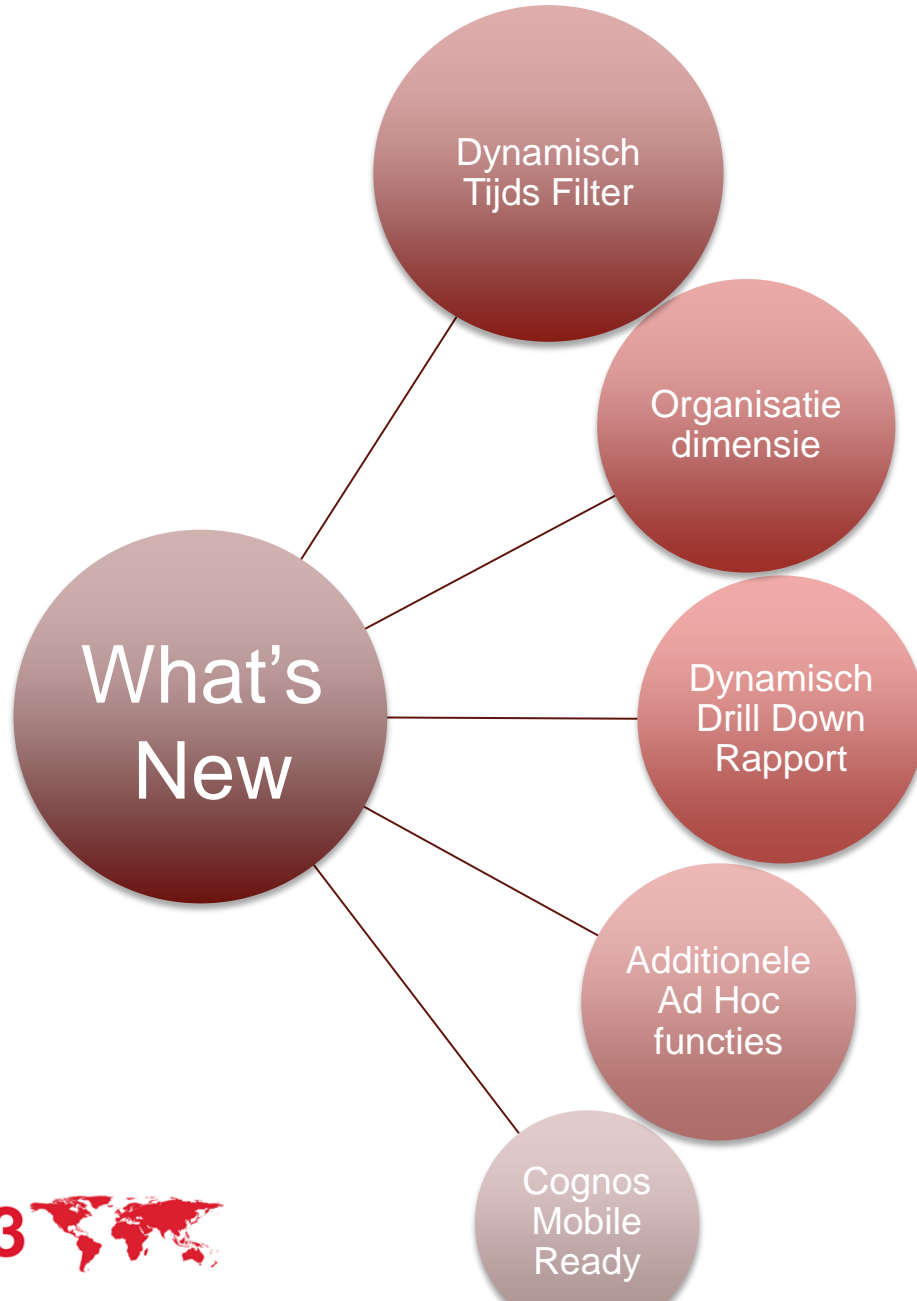
# Wat zit in de doos?

- IBM en Mainnovation hebben een analytische applicatie voor Maximo gebruikers gelanceerd: VDM Control Panel voor Maximo
- Het VDM Control Panel is gebouwd in IBM Cognos en volledig geïntegreerd met Maximo
- Het bevat meer dan 100 KPI's, PI's en drill down analyses
- Het is gebaseerd op de VDM methodologie en helpt u om:
  - Actuals versus targets op te volgen
  - Performantie afwijkingen op te sporen
  - Root cause analyses uit te voeren
- Het VDM Control Panel bevat ook:
  - Asset based budgeting module
  - Samenwerkingsmodule om acties op te volgen
  - Industrie specifieke benchmarks (uit myVDM.com)





# VDM Control Panel 3.0 – What's New



VISIBILITY



CONTROL



AUTOMATION

# Cognos Mobile Ready



VISIBILITY

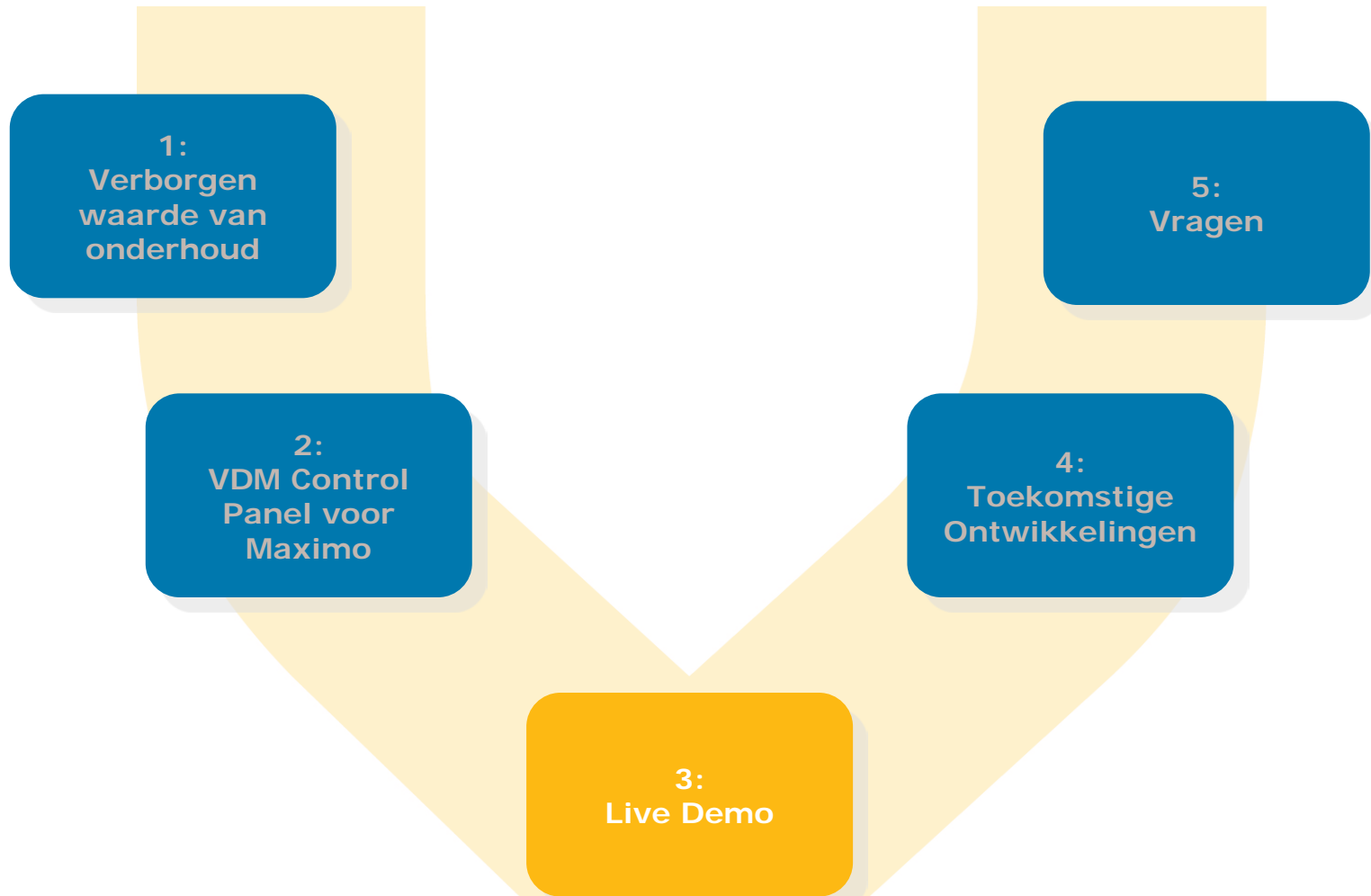


CONTROL



AUTOMATION

# Agenda



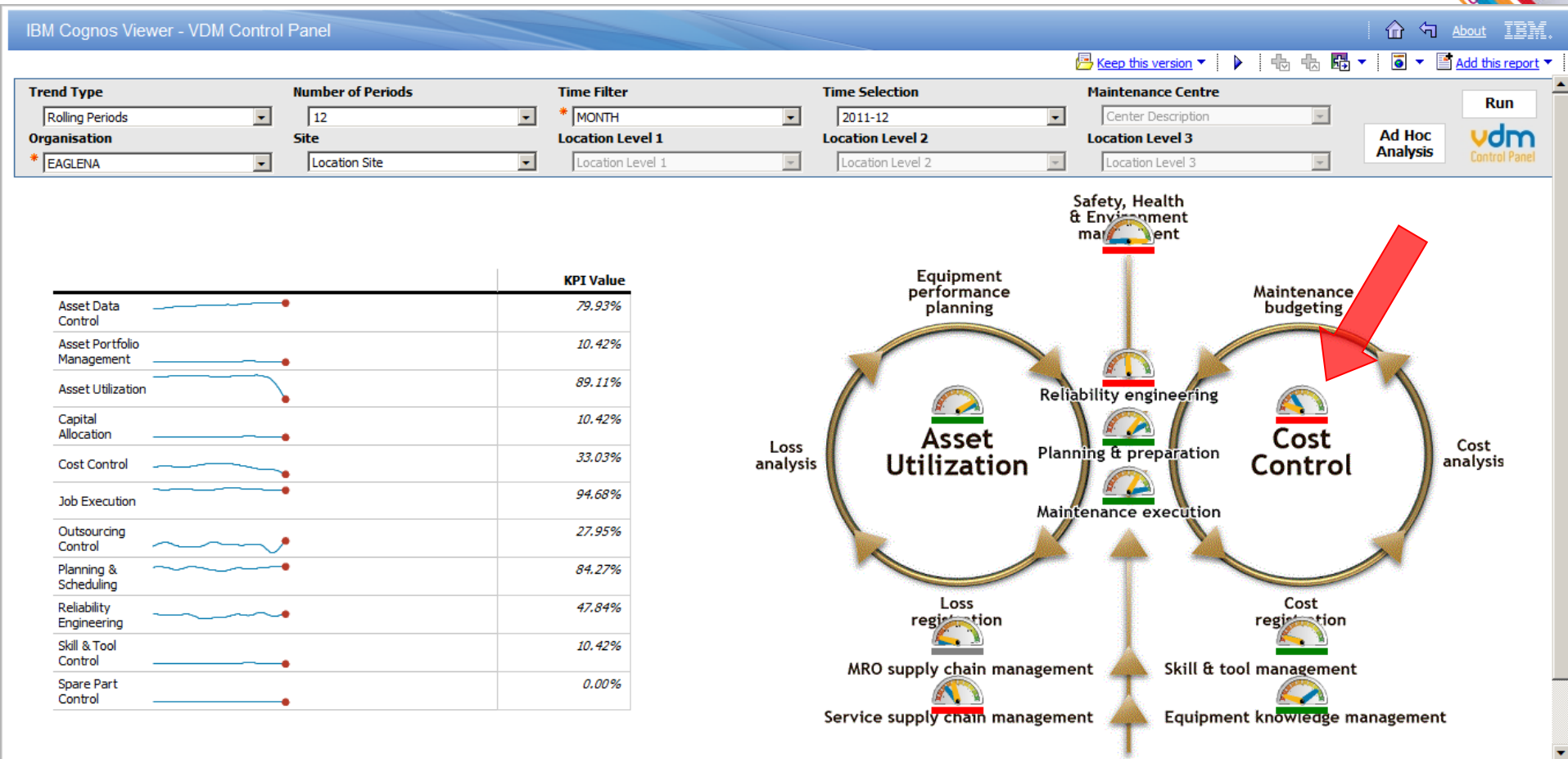
# Demo VDM Control Panel voor Maximo



<http://www.mainnovation.com/vdm-control-panel.html>



# VDM Control Panel – Competence Model



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The VDM Competence Model as the entry point of VDM Control Panel. Click on a gauge to drill down to the underlying dashboard.

# VDM Control Panel – Cost Control

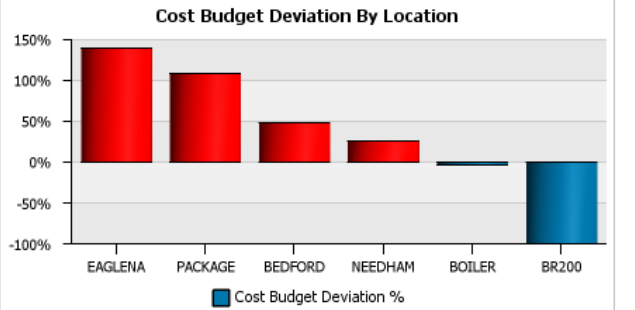
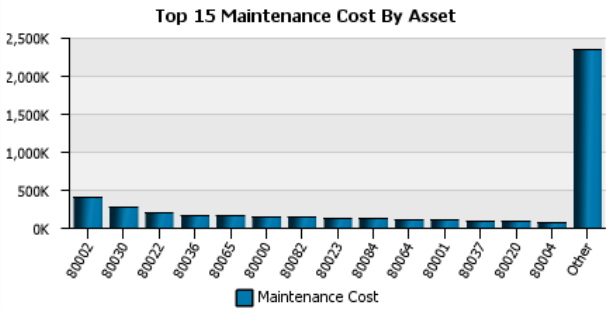
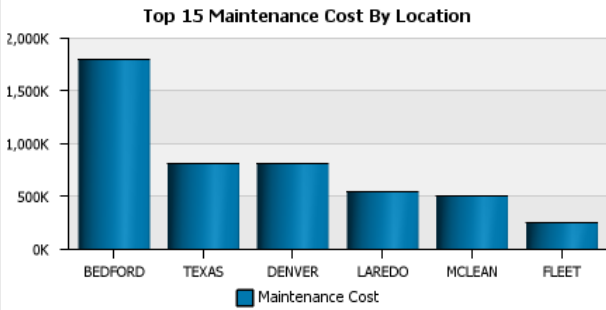
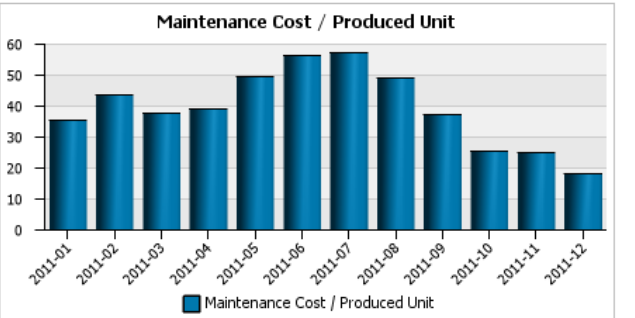
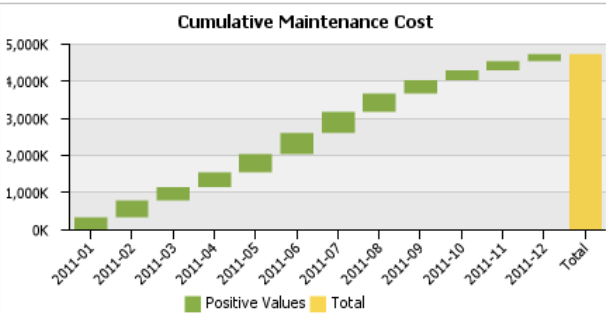
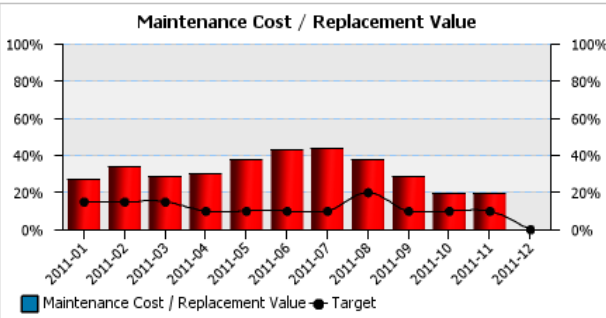
IBM Cognos Viewer - CC 0000 S 1 - Dashboard

About IBM

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**Trend Type**: \* Rolling Periods  
**Number of Periods**: \* 12  
**Time Filter**: \* MONTH  
**Time Selection**: 2011-12  
**Organisation**: \* EAGLENA  
**Site**: Location Site  
**Location Level 1**: Location Level 1  
**Location Level 2**: Location Level 2  
**Maintenance Centre**: Center Description  
**Location Level 3**: Location Level 3

Run



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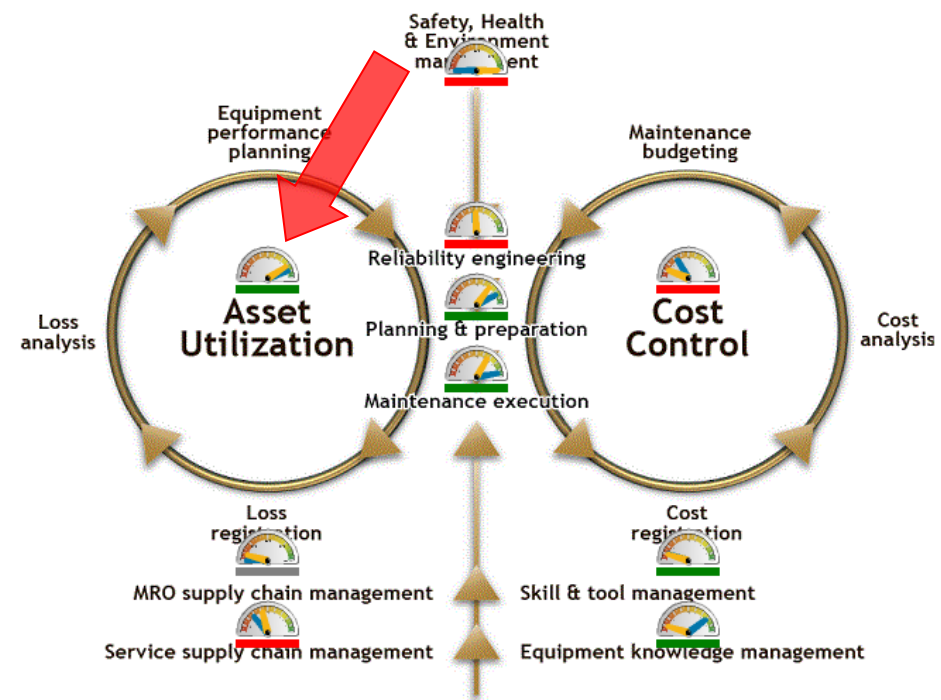
A dashboard per competence shows the relevant information to explain the trend of the main KPI  
Click on a graph part to start the detailed analysis

# VDM Control Panel – Competence Model

IBM Cognos Viewer - VDM Control Panel

**Trend Type**: Rolling Periods | **Number of Periods**: 12 | **Time Filter**: \* MONTH | **Time Selection**: 2011-12 | **Maintenance Centre**: Center Description  
**Organisation**: \* EAGLENA | **Site**: Location Site | **Location Level 1**: Location Level 1 | **Location Level 2**: Location Level 2 | **Location Level 3**: Location Level 3

	KPI Value
Asset Data Control	79.93%
Asset Portfolio Management	10.42%
Asset Utilization	89.11%
Capital Allocation	10.42%
Cost Control	33.03%
Job Execution	94.68%
Outsourcing Control	27.95%
Planning & Scheduling	84.27%
Reliability Engineering	47.84%
Skill & Tool Control	10.42%
Spare Part Control	0.00%



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The VDM Competence Model as the entry point of VDM Control Panel. Click on a gauge to drill down to the underlying dashboard.

# VDM Control Panel – Asset Utilisation

IBM Cognos Viewer - AU 0000 S - Dashboard

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**Trend Type**  
 \* Rolling Periods  
**Organisation**  
 \* EAGLENA

**Number of Periods**  
 \* 12  
**Site**  
 Location Site

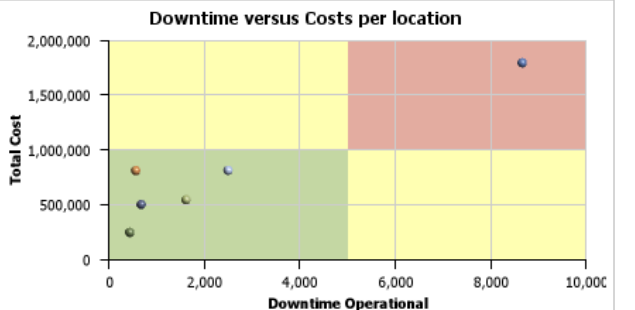
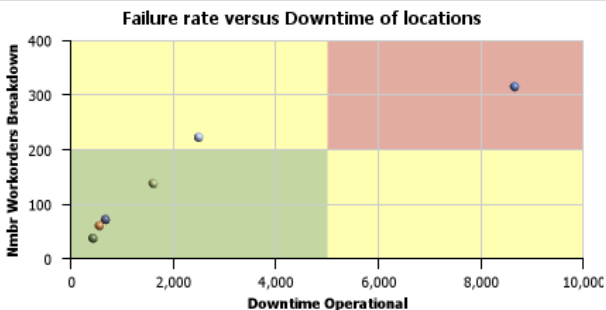
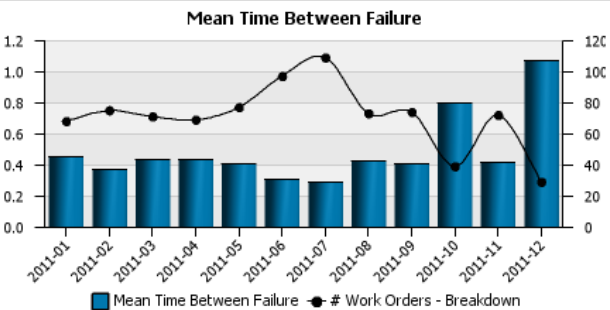
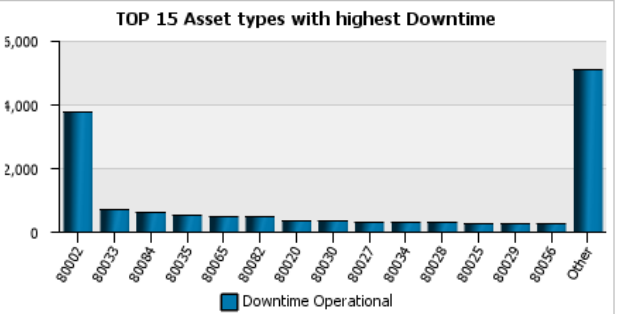
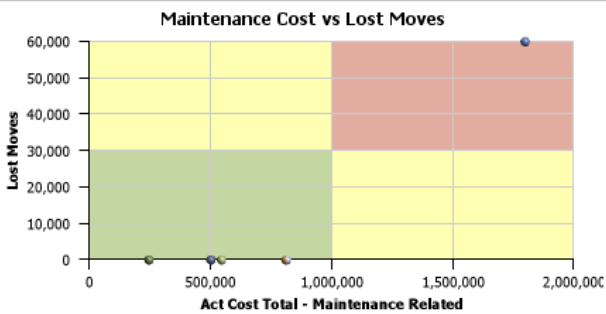
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**Location Level 1**  
 Location Level 1

**Time Selection**  
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**Location Level 2**  
 Location Level 2

**Maintenance Centre**  
 Center Description  
**Location Level 3**  
 Location Level 3

Run

vdm Control Panel



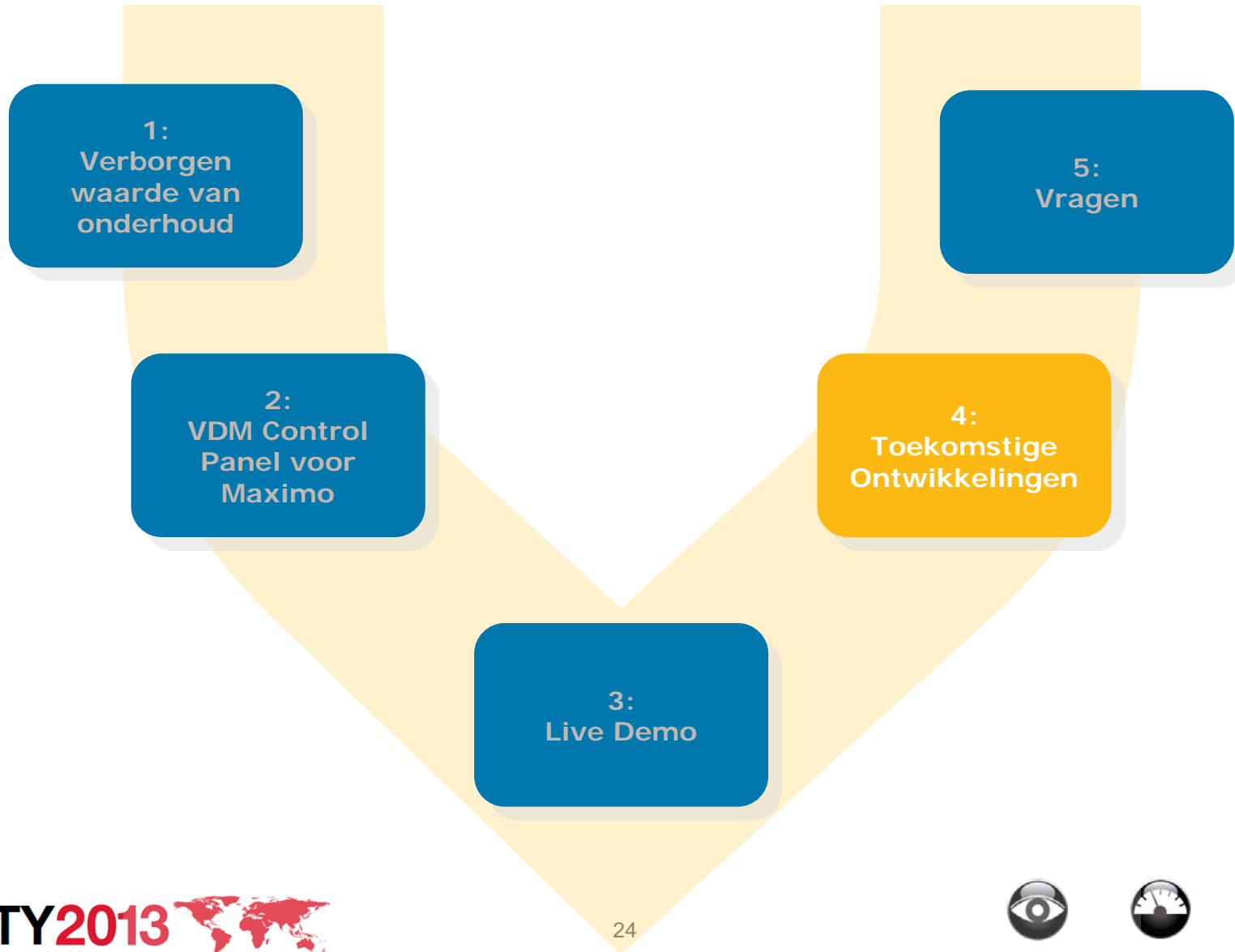
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Click on a graph part to start the detailed analysis



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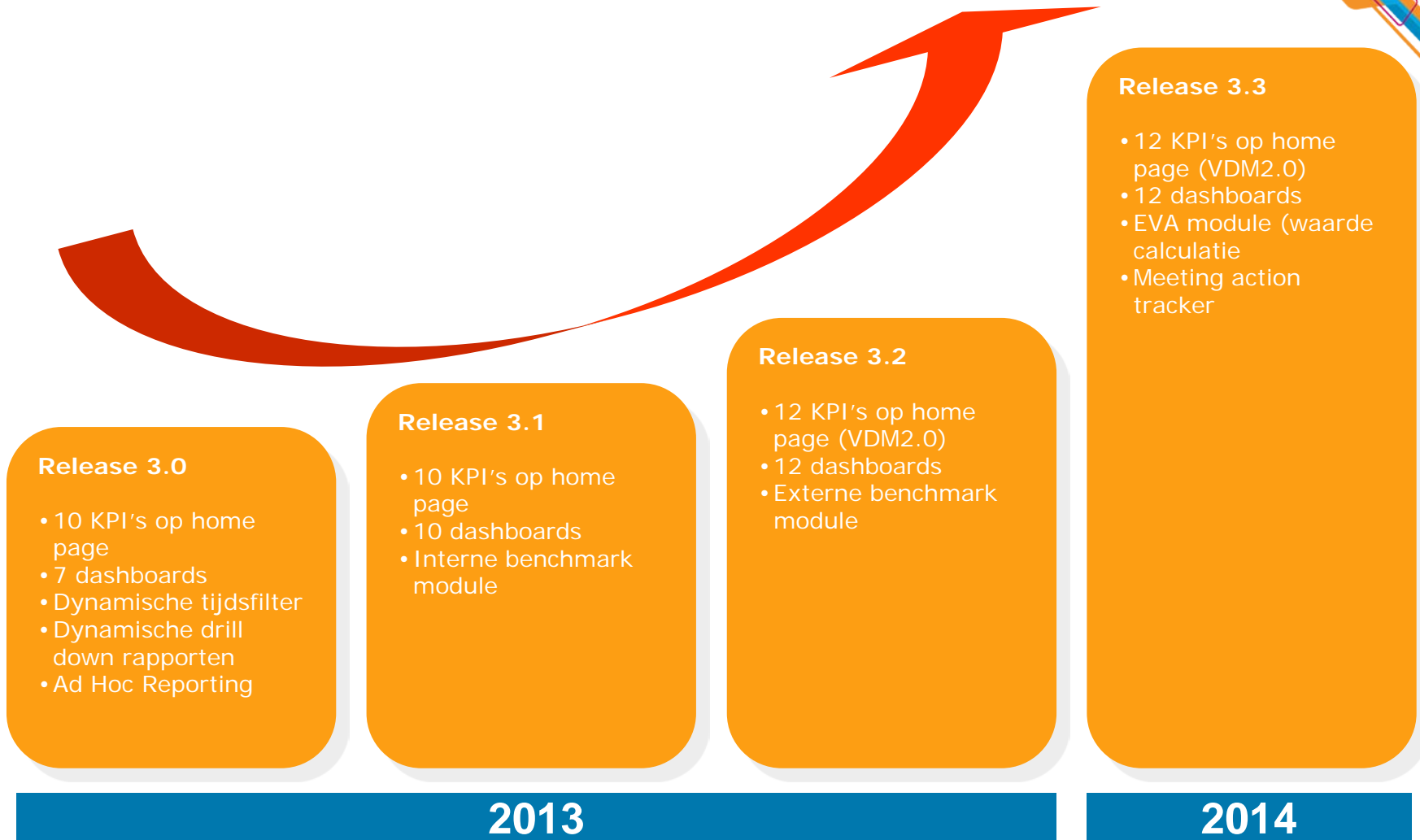
# Samenvatting VDM Control Panel



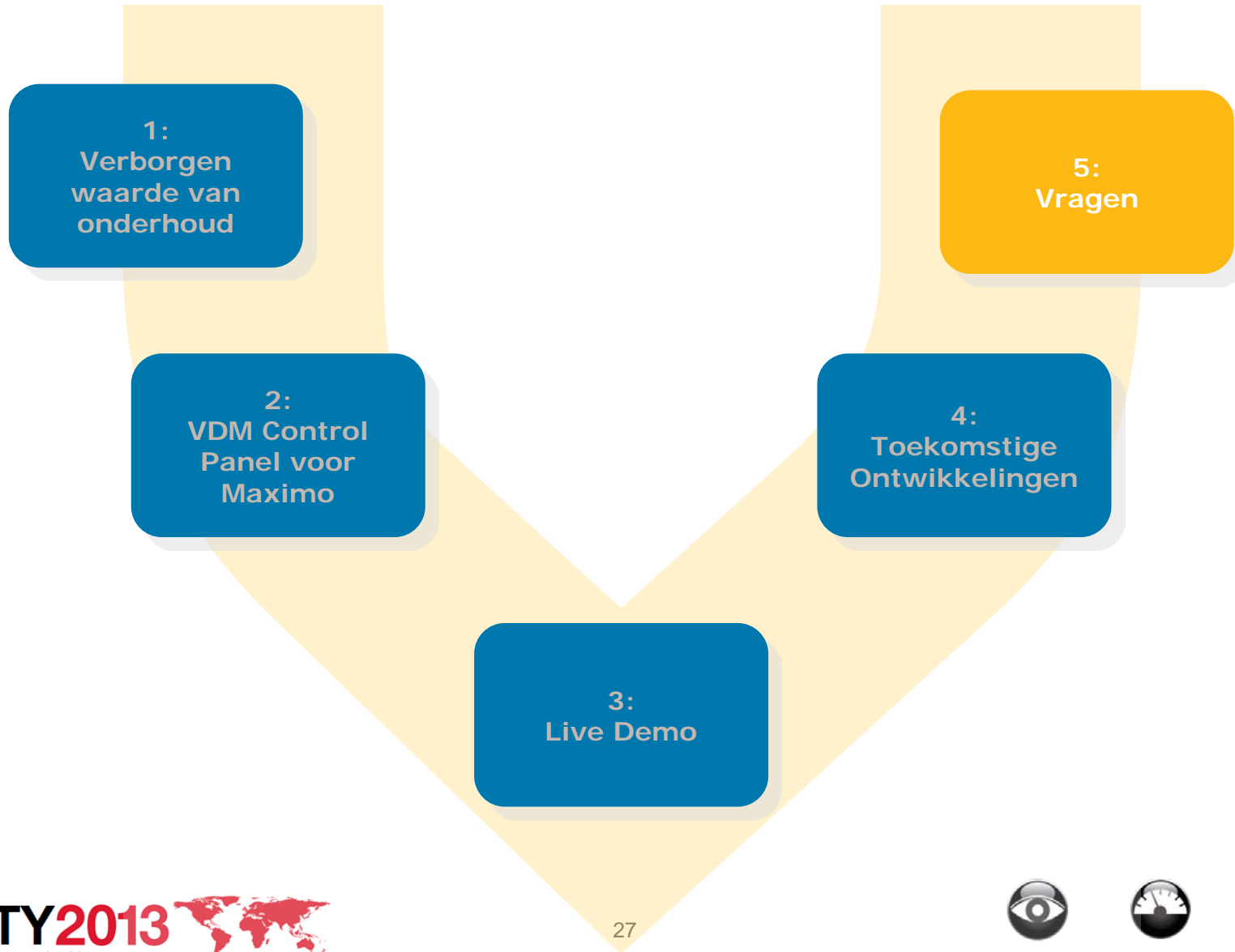
# vdm Control Panel



# Release Planning



# Agenda





Discover the hidden treasure in maintenance

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*Dank voor uw aandacht!*

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