# SCM Consulting Solutions

## Inventory Controlling Cockpit 2011.1

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Released for customer

**SAP**

# Agenda

**1. The Challenge: Transparent Stocks**

2. The Solution: SCM Consulting Solution Inventory Cockpit

3. Details of Inventory Cockpit

# The Challenge: Transparent Stocks

- Present stock-specific key figure situation for:
  - Slow-moving items
  - Dead stock
  - Range of coverage
  - Consumption fluctuation
  - …
- In addition to the snapshot, a transparent overview of the history over given periods is required.
- Bundle all stock information in a central evaluation transaction.
- Any degree of focus and detail, from individual materials to aggregated views for entire plants
- Clear overview of stock situation with suitable graphics and tables
- Summary and separate overview of particularly critical materials
- Determination of stock history on the basis of customer-specific consumption update procedures
- Full integration of ABC-XYZ classification in stock information

# Agenda

1. The Challenge: Transparent Stocks
2. **The Solution: SCM Consulting Solution Inventory Cockpit**
3. Details of Inventory Cockpit

# The Solution: SCM Consulting Solution Inventory Cockpit

▪Determination and presentation of stock-specific key figures in the course of user-definable comparison periods:

- Slow-moving items
- Dead stock
- Range of coverage
- Consumption fluctuation (among others)

▪Determination of key figures both material-specific and grouped according to material groups, MRP controller, procurement type, material status, plant, and so on

▪Consumption relevance of movement types to be evaluated can be freely adjusted for the evaluation, without affecting the SAP standard configuration

▪Evaluation on the basis of the standard consumption update, material documents, and info structures

▪Transparent presentation of the results in flexible graphical evaluations and as tables with the option to download

▪Direct access to critical materials through ranking lists for the individual key figures, presented in tables and graphics

▪Full integration of ABC-XYZ classification in stock information

Transparent overview of stock history in user-defined periods and levels of detail

# Agenda

1. The Challenge: Transparent Stocks
2. The Solution: SCM Consulting Solution Inventory Cockpit
3. **Details of Inventory Cockpit**

# Details of Inventory Cockpit

The Inventory Cockpit displays aggregated data based on consumption values from the past.

In addition to the standard consumption update, both info structures and material documents can be used as data sources.

Any movement types can be considered consumption-relevant without affecting the standard configuration.

The calculated

- Key figures
- Ranking lists
- Period comparisons
- Aggregations and
- Analysis graphics

are presented in the Inventory Cockpit as graphics and tables

Historical data from consumption update, material documents, info structures

Analysis of consumption, calculation of key figures, presentation in the
Inventory Cockpit

# Performing Analyses – Material Document Aggregation

Material document aggregation groups material documents into period consumptions that can be evaluated.

| Activities of analysis | | |
| --- | --- | --- |
| ● Process analysis | Package size | 5.000 |
| ○ Delete old results | | |

| Level of analysis | |
| --- | --- |
| ○ Material | |
| ● Material - Plant | |
| ○ Material - Plant - Storage | |
| Key for selection | STANDARD |

| Period of analyses | | | |
| --- | --- | --- | --- |
| Periode of analysis | 01.2003 | to | 09.2009 |
| Period | | to | |
| ● Months | | | |
| ○ Weeks | | | |
| ○ Periods | | Fiscal year variant | |

| Area of analysis | | | |
| --- | --- | --- | --- |
| Material | p-101 | to | p-104 |
| Plant | 1000 | to | |
| Storage Location | | to | |
| Single / coll. | | to | |

- Level of analysis: The analysis can be performed at the level of material, material - plant, or material - plant - storage.
- The analysis can cover a range of period types.
- In the area of analysis, the scope of the evaluation can be further restricted by specifying the relevant materials, plants, and storage locations.

# Performing Analyses – Determination of Key Figures in the MRP Monitor

The MRP Monitor calculates the key figure basis that the Inventory Cockpit depends on

- The

**MRP Monitor**

| Datenbasis | Strategy 1 | Strategy 2 | Safety stock | Result |

**Periods for Analysis**

Months   01.2009   to   06.2009

**Data source**
- ○ Material Consumption Table
- ⦿ Material documents   STANDARD
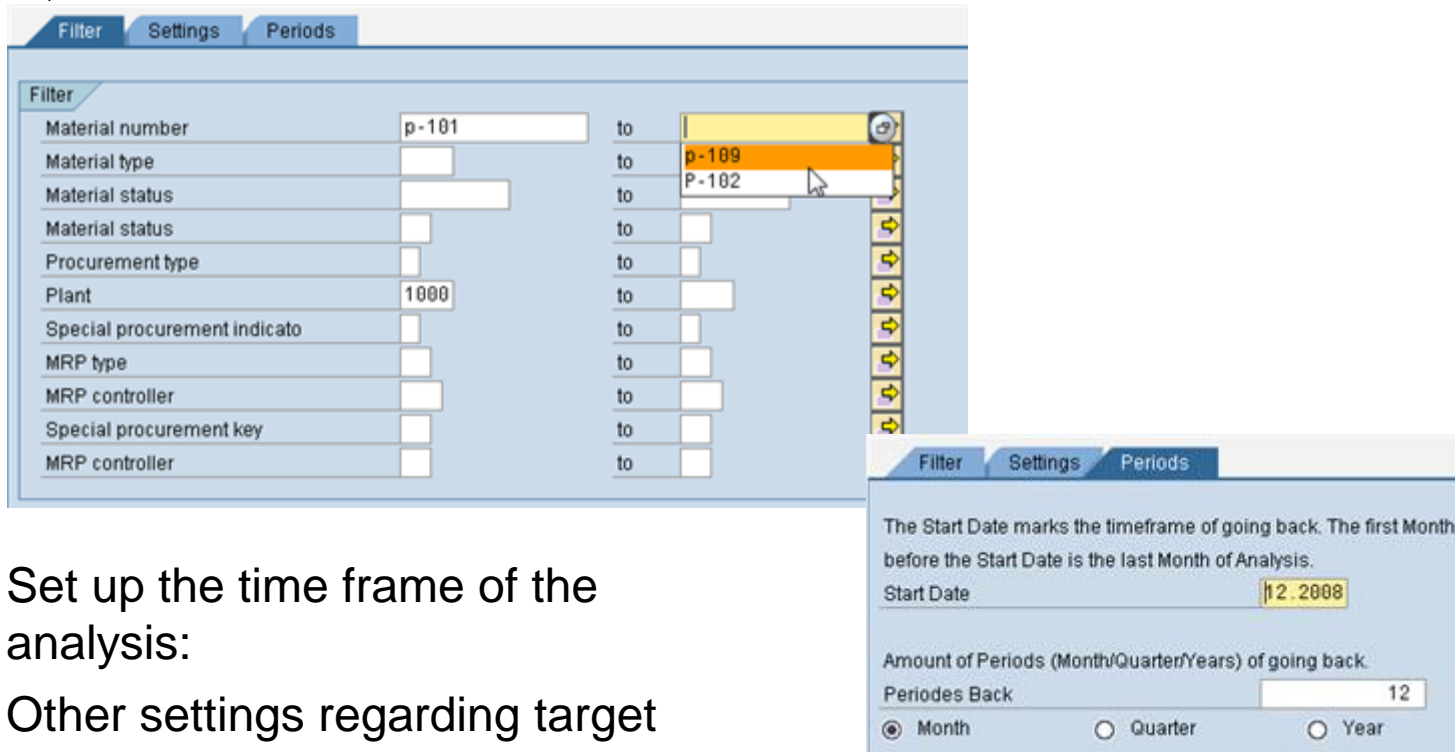
- In the area of analysis, the selection is restricted by material, plant, material type, and so on.

**Area of Analysis**

| Material | | to | |
| Material Type | | to | |
| Material Group | | to | |
| Product hierarchy | | to | |
| X-plant matl status | | to | |
| Plant | | to | |

# Inventory Cockpit Settings

Settings before you launch the Inventory Cockpit

- On the Filter tab you restrict the scope of the analysis as required on the basis of material, plant, and so on:



- ■ Set up the time frame of the analysis:

- ■ Other settings regarding target stock, ranking list, graphical display, graphic Customizing, and exponential smoothing are
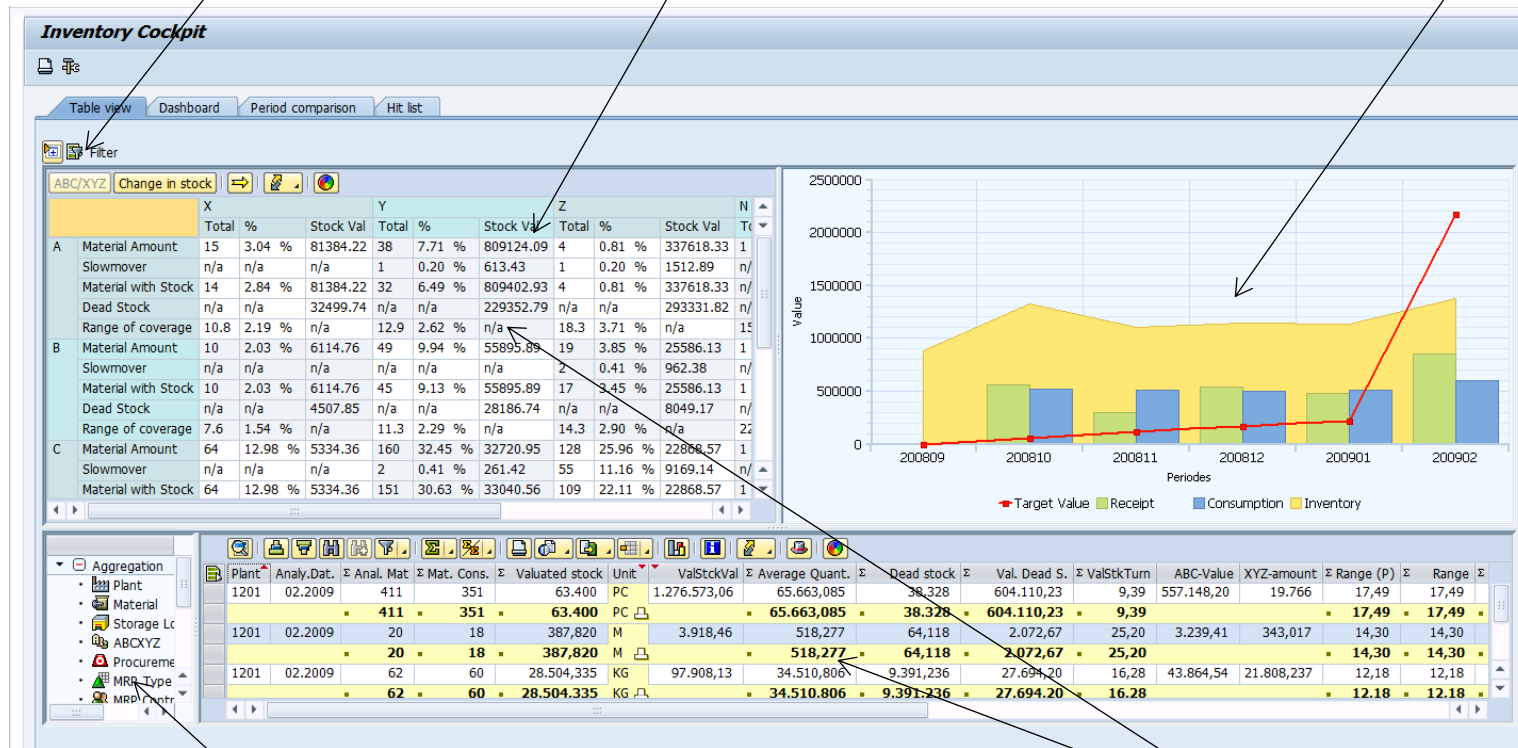
# Inventory cockpit result screen



KPI aggregation using filters
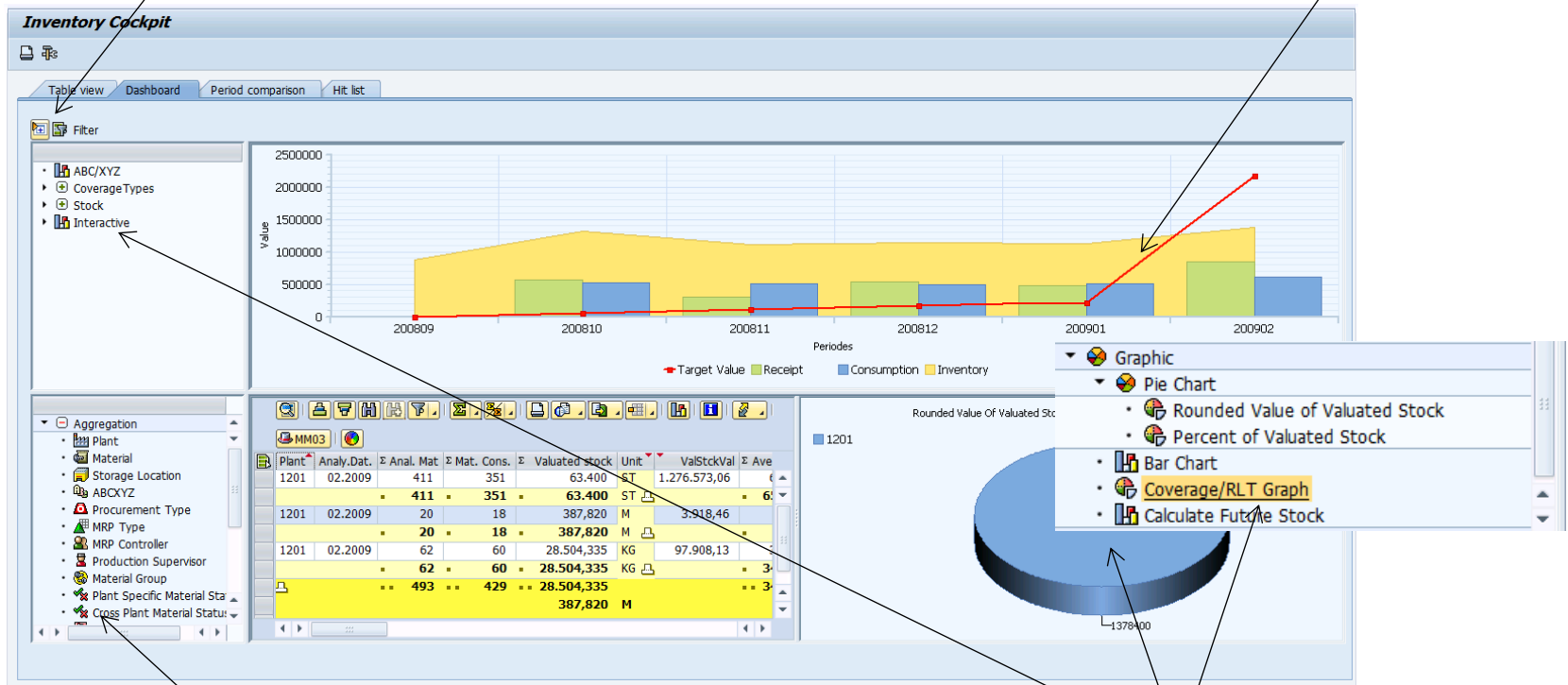
Classification data

Downloadable grafics

Aggregation objects

Several KPIs

# Inventory cockpit result screen

KPI aggregation using filters
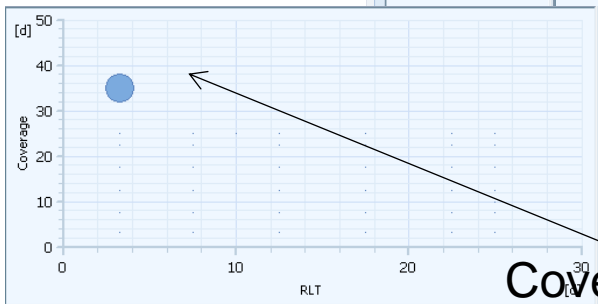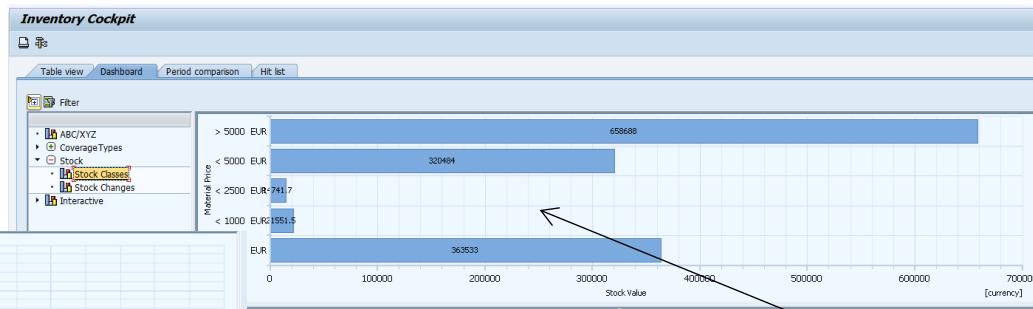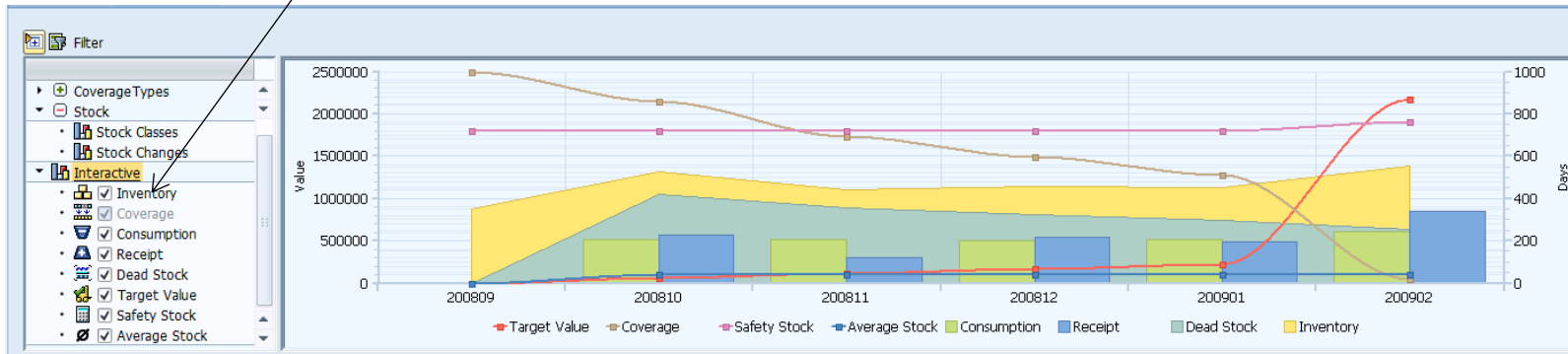
Downloadable grafics



Aggregation objects

Several diagrams

# Inventory cockpit result screen

KPI aggregation using filters



Stock and coverage classes

Coverage vs. lead times

# Inventory cockpit result screen

KPI aggregation using filters          Periodic comparison

**Inventory Cockpit**

Table view | Dashboard | Period comparison | Hit list

Filter

**Aggregation**
- Plant
- Material
- Storage Location
- ABCXYZ
- Procurement Type
- MRP Type
- MRP Controller
- Production Supervisor
- Material Group
- Plant Specific Material Status
- Cross Plant Material Status
- Material Type

| Plant | Analy.Dat. | Σ Anal. Mat | Σ Mat. Cons. | Σ | Valuated stock | Unit | ValStckVal | Σ Average Quantity | Σ | Dead stock | Σ Value Dead Stock | Σ ValStkTurn | ABC-Value | XYZ-amount | Σ | R |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1201 | 02.2009 | 411 | 351 | | 63.400 | PC | 1.276.573,06 | 65.663,085 | | 38.328 | 604.110,23 | 9,39 | 557.148,20 | 19.766 | | |
| | 10.2008 | 409 | 226 | | 66.176 | | 1.193.374,72 | 64.643,109 | | 51.957 | 921.237,02 | 2,07 | 488.987,16 | 20.764 | | |
| | 01.2009 | 409 | 335 | | 64.972 | | 1.056.601,70 | 65.892,338 | | 40.439 | 705.643,91 | 8,09 | 392.499,07 | 22.471 | | |
| | 12.2008 | 409 | 316 | | 66.466 | | 1.012.309,30 | 64.910,700 | | 41.883 | 743.475,98 | 6,43 | 446.149,17 | 21.280 | | |
| | 11.2008 | 409 | 287 | | 62.702 | | 1.011.754,76 | 64.627,293 | | 44.573 | 804.950,69 | 3,94 | 441.051,95 | 26.086 | | |
| | 09.2008 | 411 | 0 | | 58.872 | | 828.283,06 | 0 | | 0 | 0,00 | 0,00 | 0,00 | 0 | | |
| | | 2.458 | 1.515 | | 382.588 | PC | | 325.736,525 | | 217.180 | 3.779.417,83 | 29,92 | | | | 2. |
| 1201 | 01.2009 | 20 | 18 | | 474,217 | M | 5.330,20 | 541,279 | | 78,585 | 2.270,46 | 20,98 | 4.650,47 | 445,600 | | |
| | 09.2008 | 20 | 0 | | 437,860 | | 4.209,56 | 0 | | 0 | 0,00 | 0,00 | 0,00 | 0 | | |
| | 02.2009 | 20 | 18 | | 387,820 | | 3.918,46 | 518,277 | | 64,118 | 2.072,67 | 25,20 | 3.239,41 | 343,017 | | |
| | 11.2008 | 20 | 17 | | 540,697 | | 3.757,11 | 427,239 | | 210,785 | 3.049,42 | 12,55 | 3.530,52 | 361,368 | | |
| | 12.2008 | 20 | 17 | | 377,807 | | 2.920,55 | 414,871 | | 142,865 | 2.710,28 | 16,74 | 2.395,92 | 236,570 | | |
| | 10.2008 | 20 | 16 | | 391,045 | | 2.880,66 | 469,099 | | 487,265 | 5.713,74 | 8,35 | 2.219,66 | 230,750 | | |
| | | 120 | 86 | | 2.609,446 | M | | 2.370,765 | | 983,618 | 15.816,57 | 83,82 | | | | 1. |
| 1201 | 10.2008 | 62 | 40 | | 36.438,384 | KG | 127.047,28 | 41.776,118 | | 33.104,725 | 121.957,71 | 2,71 | 25.227,77 | 13.085,121 | | |
| | 12.2008 | 62 | 57 | | 32.391,310 | | 126.812,62 | 37.078,176 | | 18.906,757 | 63.547,72 | 8,14 | 51.364,65 | 14.041,407 | | |
| | 02.2009 | 62 | 60 | | 28.504,335 | | 97.908,13 | 34.510,806 | | 9.391,236 | 27.694,20 | 16,28 | 43.864,54 | 21.808,237 | | |
| | 11.2008 | 62 | 55 | | 33.277,722 | | 92.236,03 | 39.167,308 | | 24.436,613 | 75.118,96 | 5,42 | 67.831,55 | 17.091,263 | | |
| | 01.2009 | 62 | 60 | | 26.495,655 | | 67.787,83 | 35.733,519 | | 12.746,415 | 34.312,06 | 12,22 | 110.967,43 | 24.353,403 | | |
| | 09.2008 | 62 | 0 | | 17.056,376 | | 45.025,14 | 0 | | 0 | 0,00 | 0,00 | 0,00 | 0 | | |
| | | 372 | 272 | | 174.163,782 | KG | | 188.265,927 | | 98.585,746 | 322.630,65 | 44,77 | | | | 1. |
| | | 2.950 | 1.873 | | 174.163,782 | | | 188.265,927 | | 98.585,746 | 4.117.865,05 | 158,51 | | | | 6. |
| | | | | | 2.609,446 | M | | 2.370,765 | | 983,618 | | | | | | |
| | | | | | 382.588 | PC | | 325.736,525 | | 217.180 | | | | | | |

# Inventory cockpit result screen

Hitlists for important KPIs

Filter