SCM 702: APO Renovation

SCM APO Development
April, 2011

SAP

Agenda

1. Introduction to SAP Business Suite and APO

2. UI Renovation in SAP APO 7.0 EhP 2

3. System demo

4. Beyond SAP APO 7.0 EhP 2

Introduction to SAP Business Suite and APO

SAP Business Suite in General

SAP Business Suite enables enterprises to perform **essential, industry-specific**, and **business-support processes** (e.g. finance, HR, manufacturing, procurement, marketing, sales, supply chain management) with modular solutions that are **designed to work with other** SAP and non-SAP **software**.
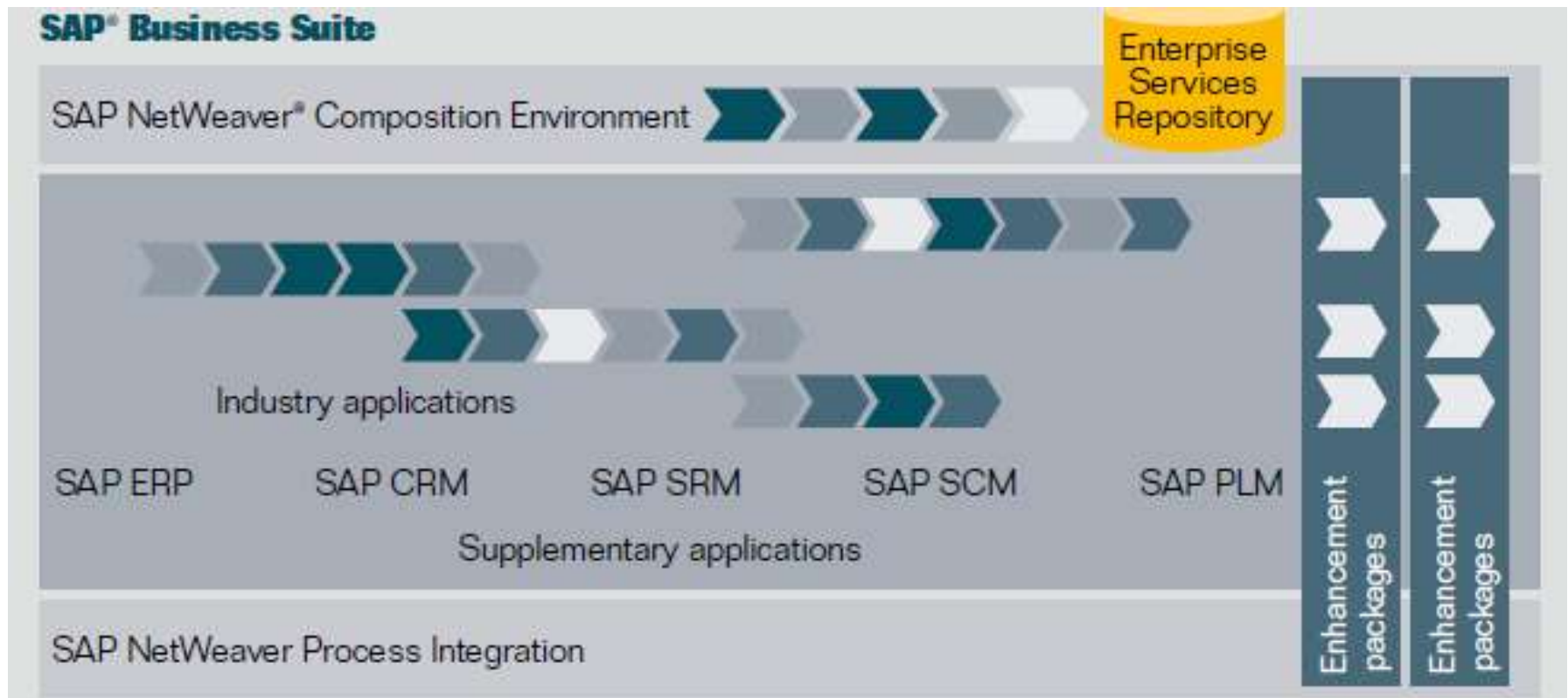
SAP Supply Chain Management

SAP SCM delivers a complete set of features and functions for building adaptive supply chain networks. The application enables:

- **Supply chain planning and collaboration** – Customers can model an existing supply chain; **set goals**; and **forecast**, **optimize**, and **schedule** time, materials, and other resources. Supply chain planning functionality enables planners to maximize return on assets and ensure a profitable match of supply and demand.

- **Supply chain execution** – Enables customers to **carry out supply chain planning** and generate high efficiency at the lowest possible cost. They can **sense and respond to demand** through an adaptive supply chain network in which distribution, transportation, and logistics are integrated into real-time planning processes.

- **Supply chain visibility design and analytics** – Gives customers network-wide **visibility** across your extended supply chain to perform **strategic** as well as **day-to-day planning**. The application also enables collaboration and analytics, so it is possible to **monitor** and **analyze** the performance of the extended supply chain using predefined key performance indicators (KPIs).
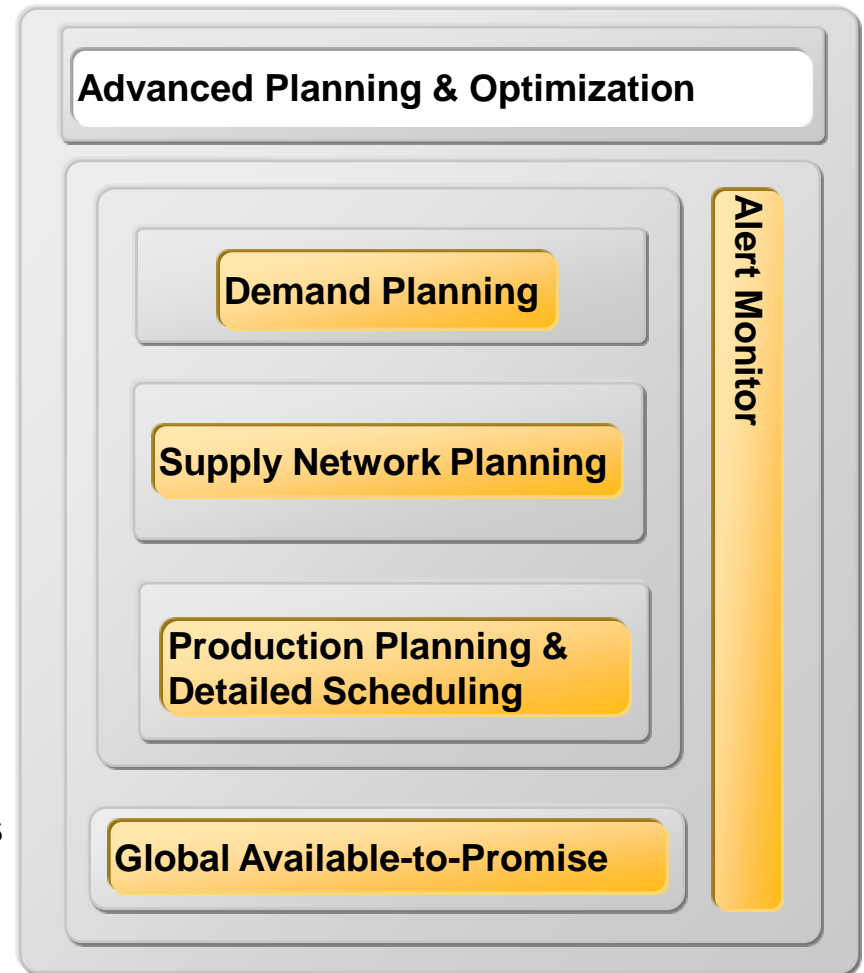
SAP Supply Chain Management

The main components of the SAP SCM solution:

- **SAP APO:** Provides forecasting, planning and optimization over the whole supply chain.
- **Duet:** Enables users to easily and quickly interact with SAP business processes and data via their familiar Microsoft Office environment
- **SAP Supply Network Collaboration:** Supports collaborative work with partners across the supply network. Applies collaboration features that improve visibility into supply and demand in order to reduce inventory buffers, increase the velocity of raw materials and finished goods through the pipeline, improve customer service, and increase revenues.
- **SAP Extended Warehouse Management:** Reconciles open purchase orders with incoming shipments, supports a put-away system that remembers where goods are stored, and optimizes employee picking assignments.
- **SAP Transportation Management:** Plans, consolidates, and optimizes inbound and outbound shipments – while considering real-world constraints, costs, and penalties.

SAP Advanced Planner and Optimizer

- **Demand planning and forecasting** – Forecast and plan anticipated demand for products or product characteristics.

- **Supply network planning** – Integrate purchasing, manufacturing, distribution, and transportation plans into an overall supply picture. It applies heuristics, optimization, and multilevel supply and demand matching.

- **Manufacturing execution** – Supports all production processes (e.g. make-to-order, make-to-stock) and generates optimized production schedules that take into account real-time material and capacity constraints.

- **Order promising** – Receives queries from order management or CRM systems, and determines when a product is available across a fulfillment network. It also shows how much the product will cost, and how long it will take to deliver.

Advanced Planning & Optimization

Demand Planning

Supply Network Planning

Production Planning & Detailed Scheduling

Global Available-to-Promise

Alert Monitor

UI Renovation in SAP APO 7.0 EhP 2

Goals of UI Renovation

The existing SAPGUI screens lack of many features of a modern UI. The users need:

- Easier navigation/fewer clicks
- Simpler planning user interface
- More intuitive user interface
- More modern UI technology
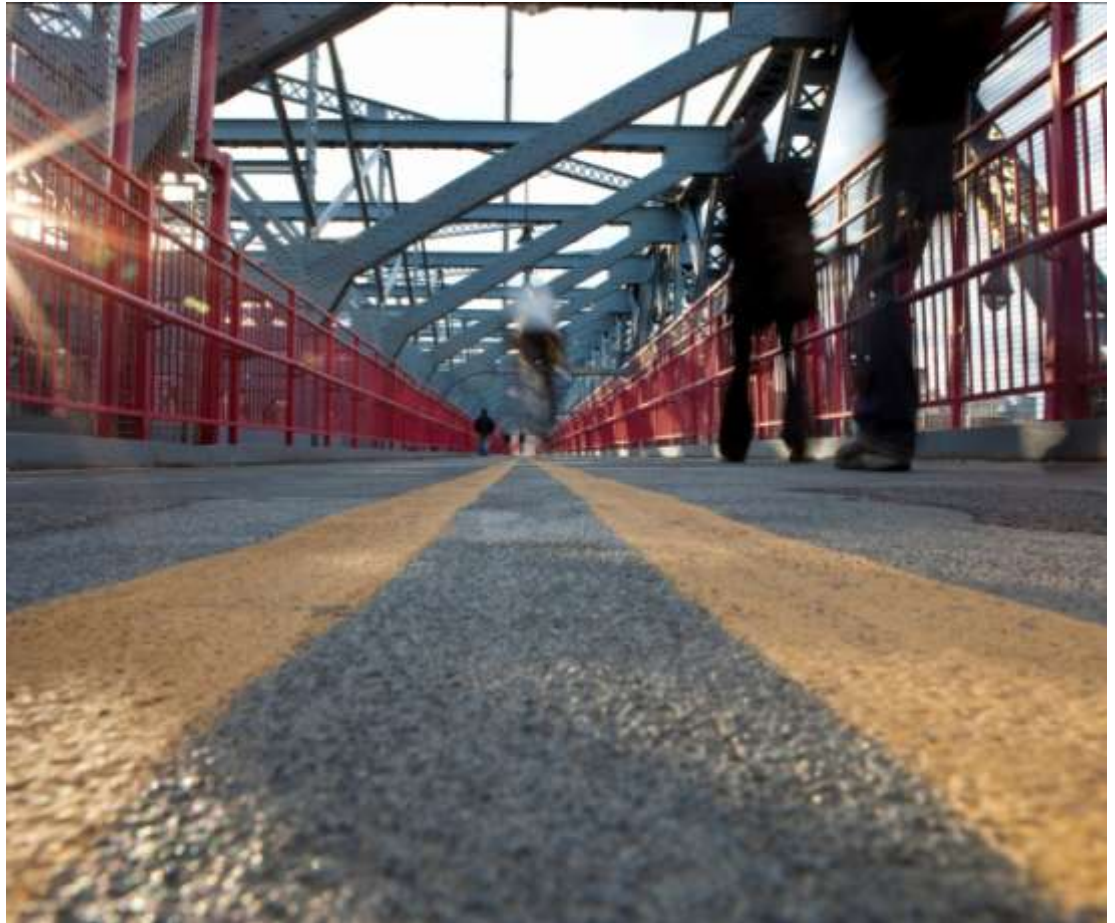
APO UI Re-Design

SCM 7.0 EhP2 delivers the first step of a new SAP APO user experience

Solution Enhancements

- Start on a roadmap to re-design the most relevant interactive screens in SAP APO based on latest UI technology and user experience research
- In EhP2 focus is on re-designing interactive Backorder Processing, Alert Monitoring and introducing a Planner's Home Page

Key Benefits

- Improved usability and user efficiency
- Based on latest SAP UI technology
- Homogeneous end user experience between APO applications
- Enhanced built-in personalization features
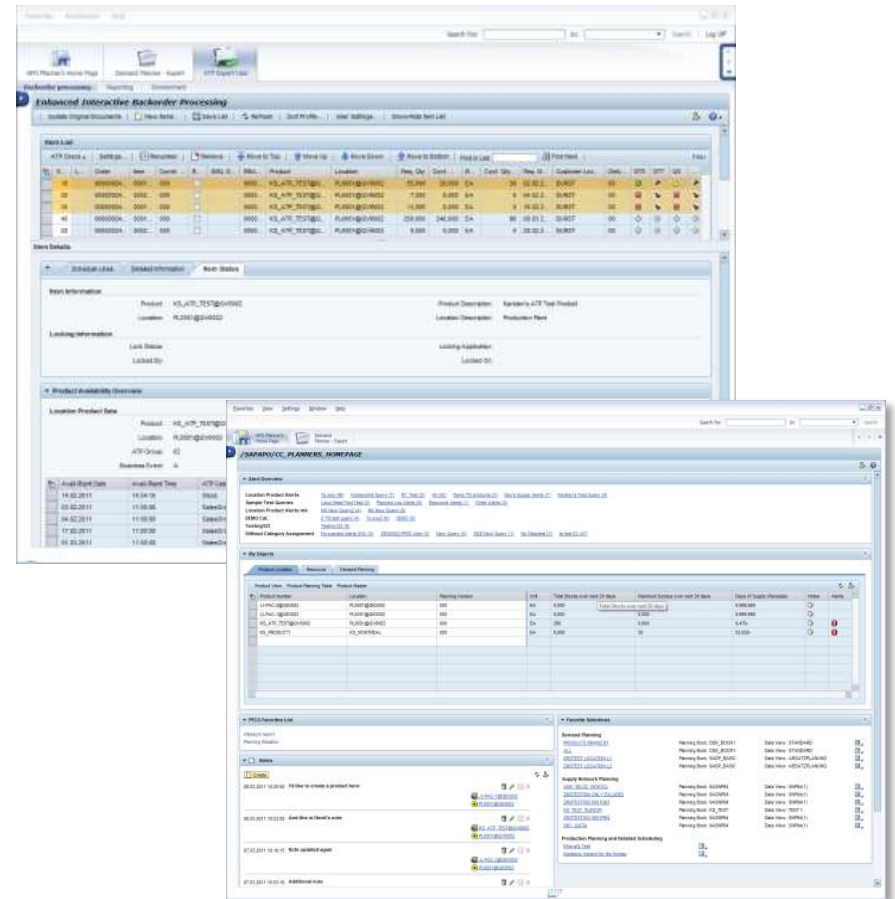
APO UI Re-Design – Technology Information

- Use of new interactive planning screens requires NetWeaver Business Client 3.5 (NWBC 3.5), either as front-end client or as HTML client

- NWBC follows the role paradigm. Planner's Home Page requires defined user roles e.g. for navigation

- New user interfaces are based on SAP NetWeaver WebDynpro UI Technology

- Greatly improved personalization functionality in NetWeaver WebDynpro screens allows the user to customize content, structure as well as the overall layout of the screens
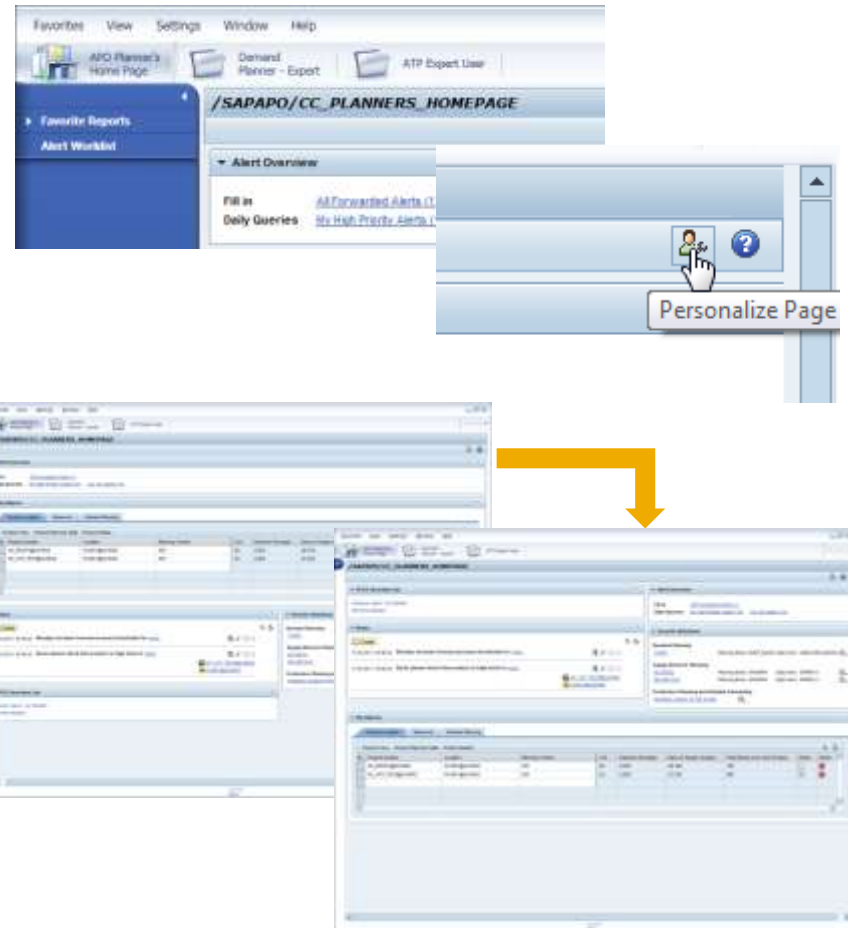
Planner's Home Page and Alert Worklist

New UI experience for APO users using the Planner's Home Page

Solution Enhancements

- Personalized UI building blocks (CHIPs) (Add/Remove/Resize/Move)
- Better alert overview via user defined Alert Queries – re-designed Alert Monitor
- Easy check of KPIs for Location Products, Resources, Characteristic Value Combinations
- Link favorite reports, notes, and launch favorite selections and applications

Key Benefits

- Single APO entry point for planners
- Improved user efficiency
- Quick access to both APO internal and external information
- Improved usability accessing Alerts via Planner's Home Page
- Based on latest SAP UI technology
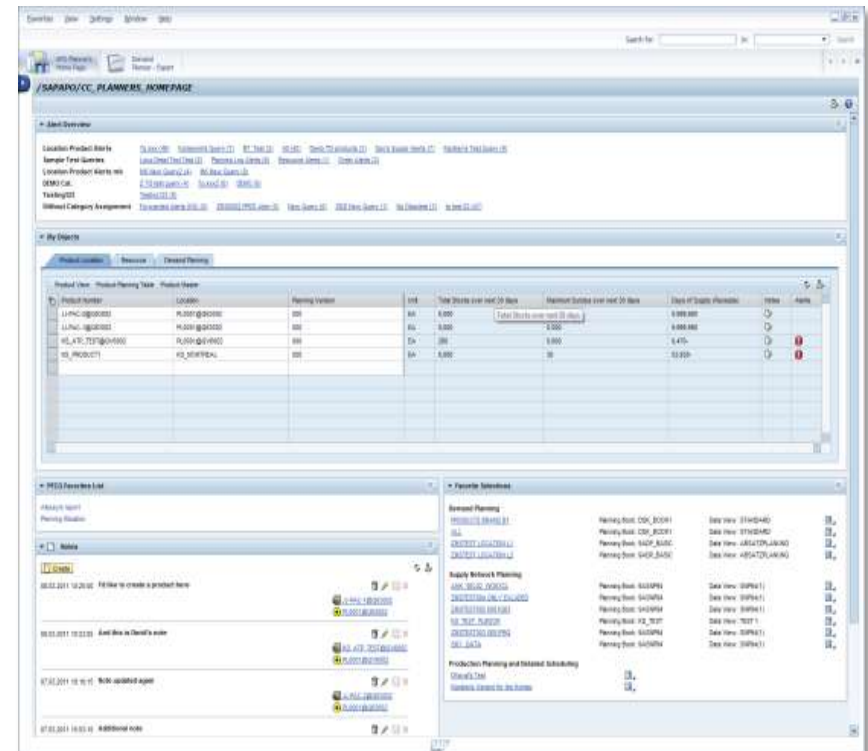
Planner's Home Page and Alert Worklist

One-click navigation from Planner's Home Page to alert details or interactive planning transactions

Enhanced Interactive Backorder Processing

Improve flexible and efficient handling of backorders

Solution Enhancements

- Flexible selection of requirements worklist for interactive backorder processing
- Multi-item backorder processing and true availability checks (including rules-based ATP) for requirements
- Precise and user-driven definition of requirements priorities through flexible sequence definition

Key Benefits

- Higher efficiency in re-assigning order confirmations
- Display of relevant items in new requirements worklist can be personalized
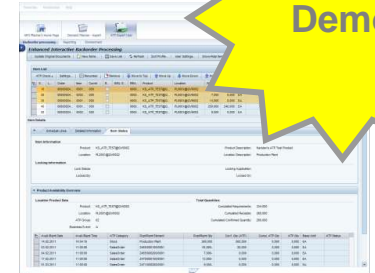- Better control of re-assignment results

System demo

SAP APO Enhancements
in Enhancement Package 2 for SAP APO 7.0

Demo

Usability

- Improved usability for Interactive Backorder Processing and Alert Monitor
- New Planner's Home Page as entry point for supply chain planners
- Re-designed user interface adopting latest SAP UI technology

Simulation

- Enhanced flexibility in managing supply chain scenarios and production plans
- Improved version management

Functional Enhancements

- Improved handling of outliers, events & causal effects in Demand Planning
- Classification and forecast optimization
- Enable availability check during planning runs
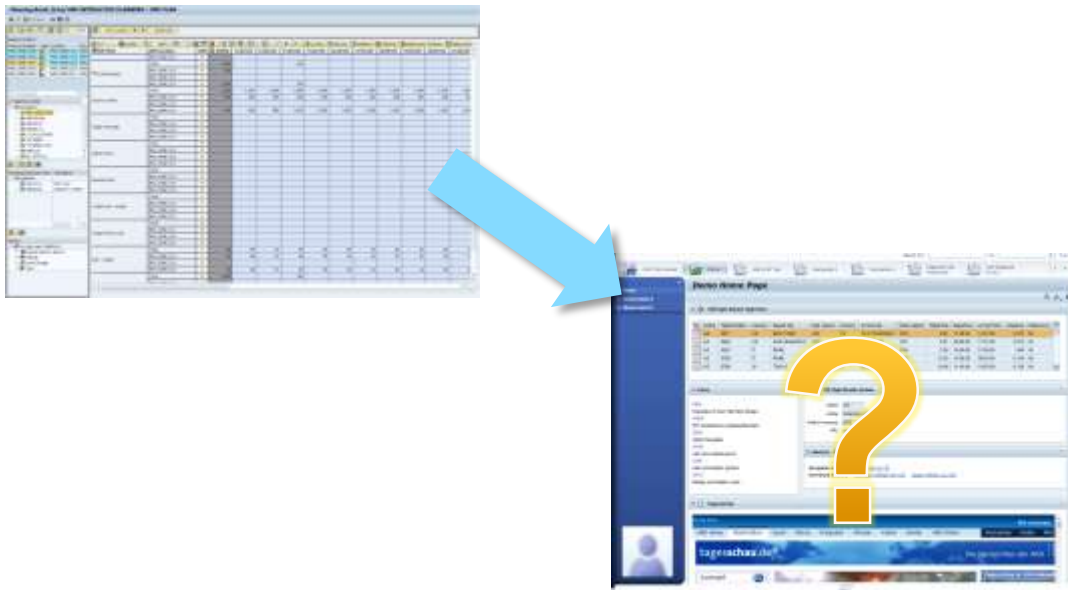- Enhanced capabilities for process industries in PP/DS

Beyond SAP APO 7.0 EhP 2

What comes next?

The Planner's Home Page was only the first step, now we are investigating the renovation of interactive planning tools:

- Demand Planning
- Supply Network Planning
- Production Planning

Thank You!

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