SYNACTIVE

WEBINAR: Introducing NEW GuiXT Plant Maintenance (PM) and Material Management (MM) Solutions

DeeDee Kato – Director of Product Marketing
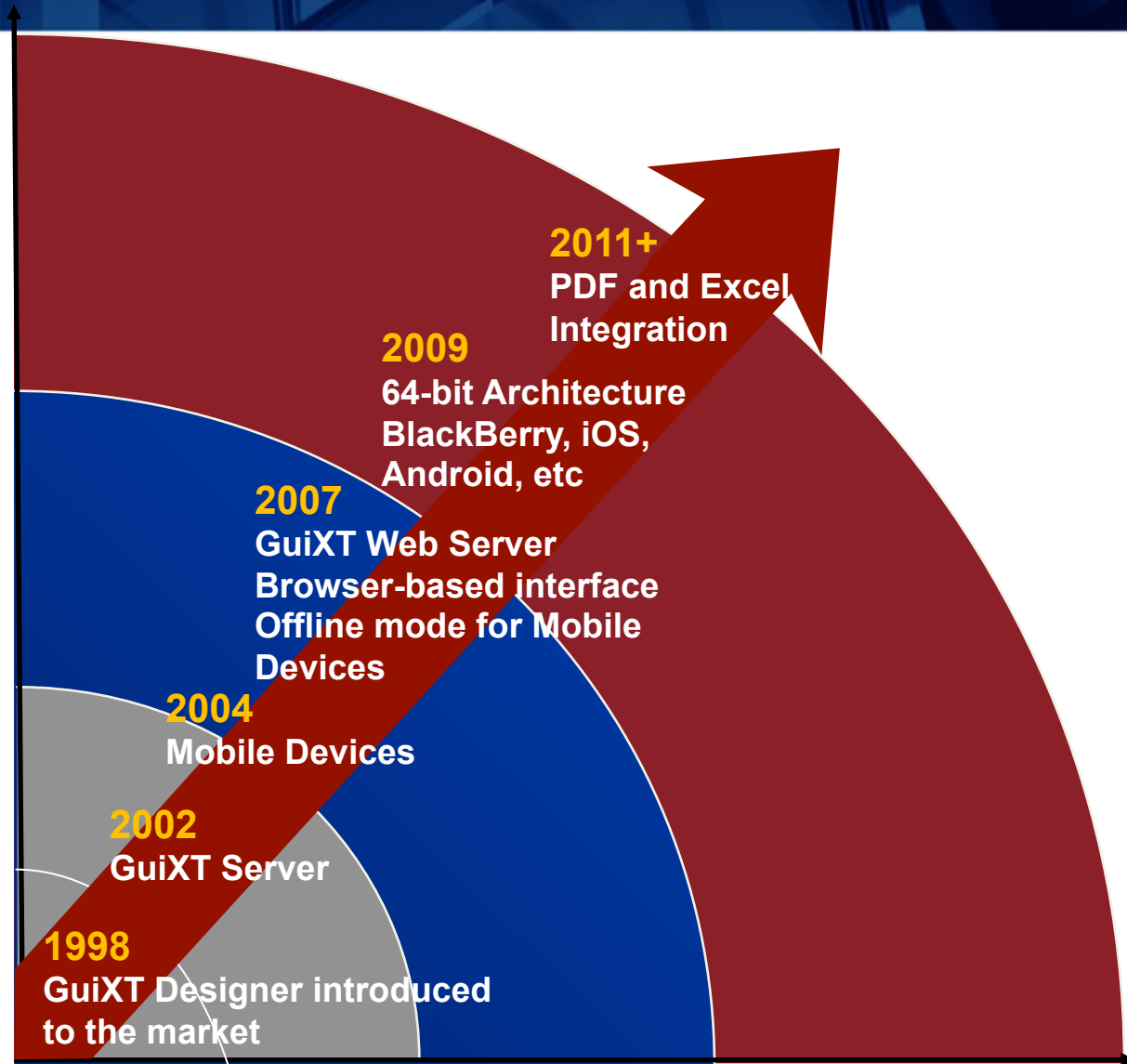Aparna Desai – Sr. Manager, Solution Engineering

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Agenda

- **Synactive Company Overview**
  - **Market drivers and business issues**
  - **GuiXT Product Overview**
- **Plant Maintenance Solutions**
  - **Planning and Scheduling Console**
  - **Plant Maintenance Optimization Package**
- **Material Management Solutions**
  - **Material Management Optimization Package**
  - **Material Management Decision Making Console**
- **Summary**
  - **Q&A**

Synactive At A Glance

- **Founded by**
  - **Thomas Ewe (developed JavaGui in SAP Labs)**
  - **Dr. Gerhard Rodé (Initiated and developed ABAP in SAP AG)**
- **GuiXT packaged with SAP since 1998**
- **GuiXT has SAP-certified integration with SAP NetWeaver**
- **900+ Customers / Thousands of Users**
- **In use by SAP Solution Engineers**

2011+
PDF and Excel Integration

2009
64-bit Architecture
BlackBerry, iOS, Android, etc

2007
GuiXT Web Server
Browser-based interface
Offline mode for Mobile Devices

2004
Mobile Devices

2002
GuiXT Server

1998
GuiXT Designer introduced to the market

Breadth of Customers

Over 900 Customers Across Multiple Industries

Poll Question #1: What is your role in the organization?

- Process owner or line-of-business manager
- IT Developer, Architect
- Senior Management (not CIO)
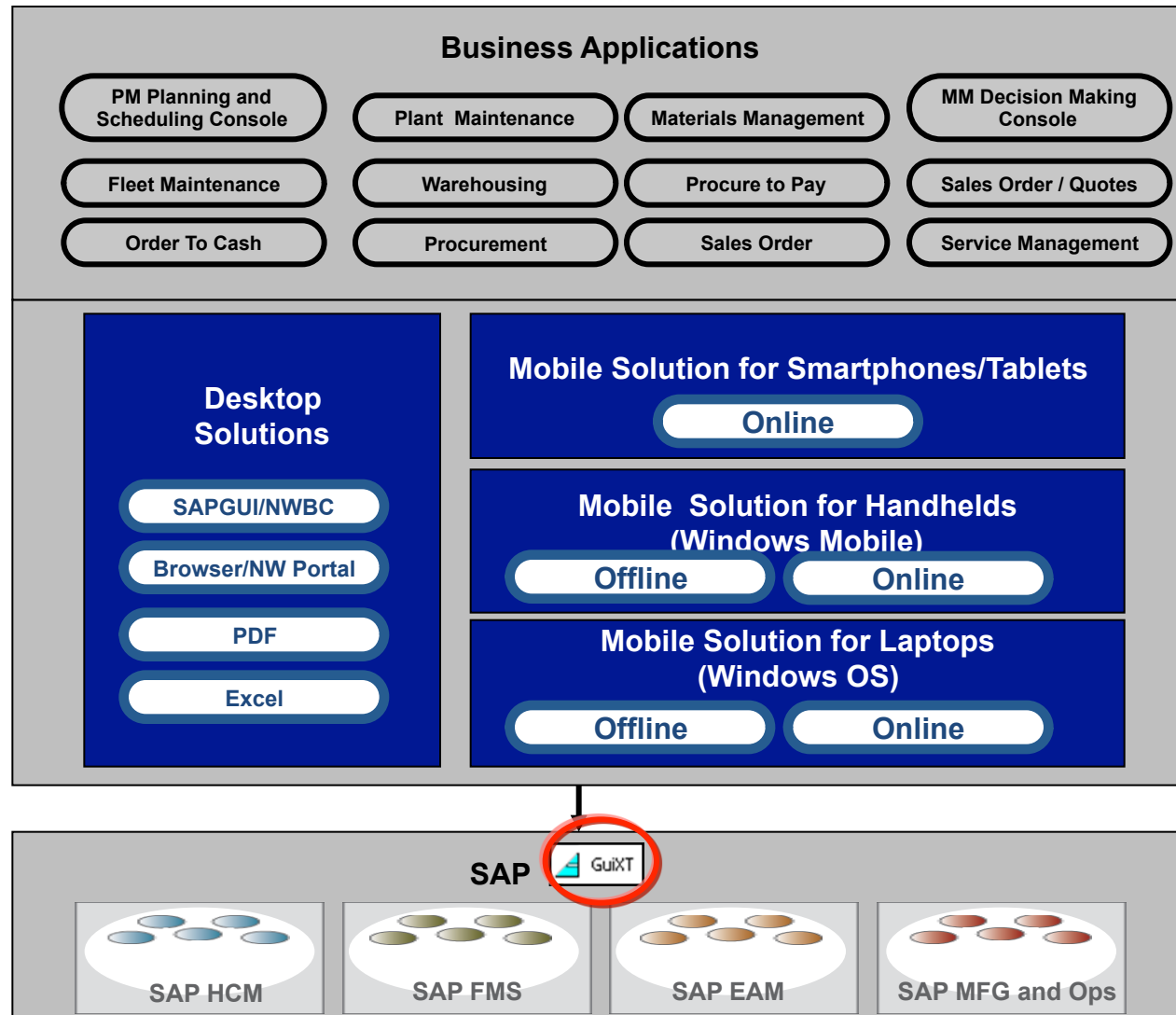- CIO or IT Executive
- Other

Business Issues
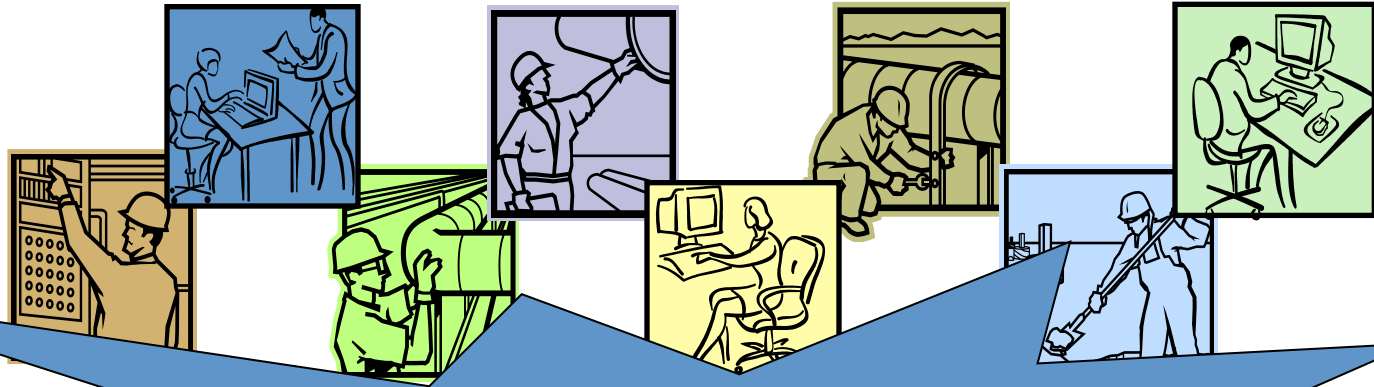
Non-Intuitive interface leads to user errors, data integrity issues, user adoption issues and additional training requirements!
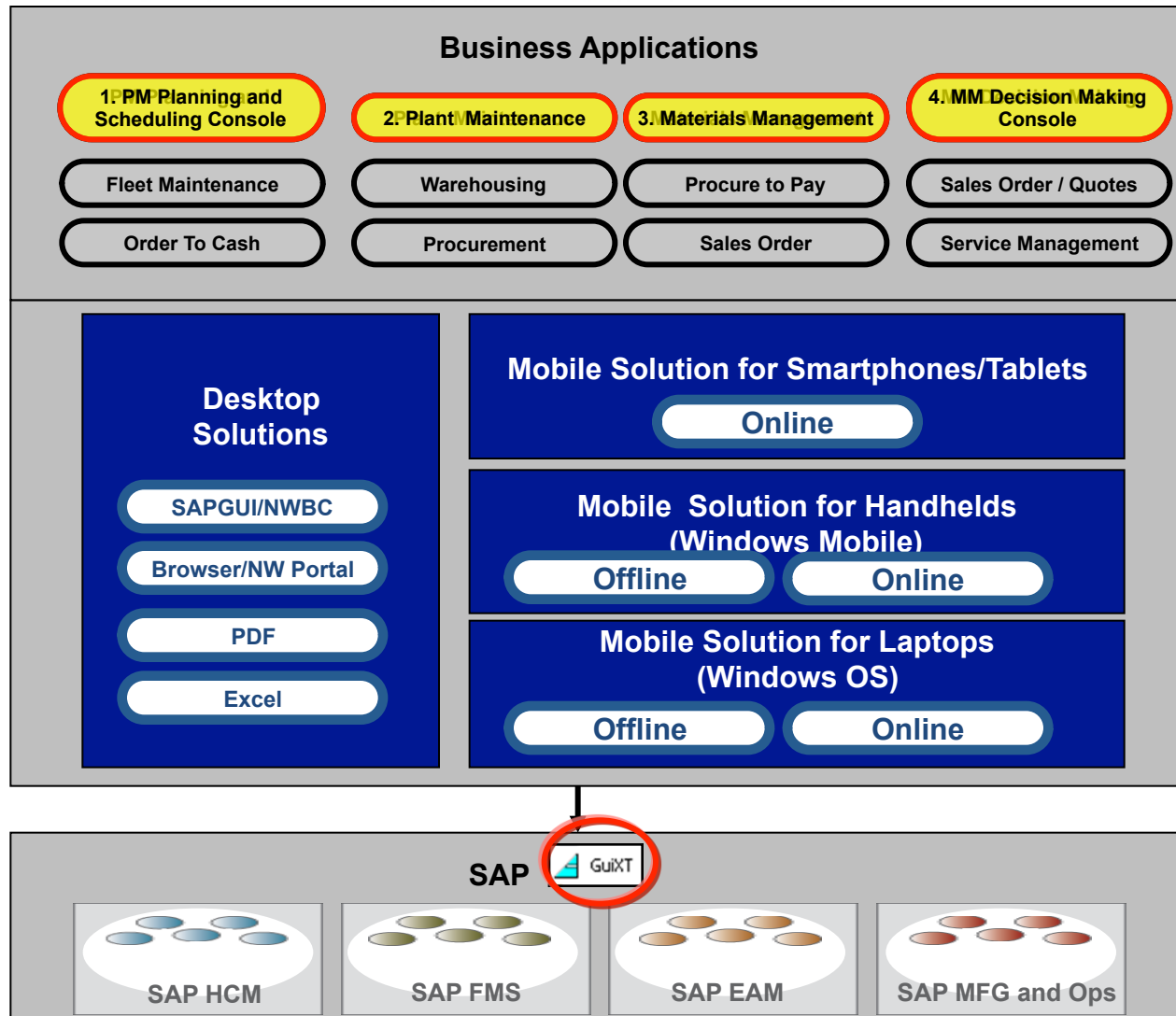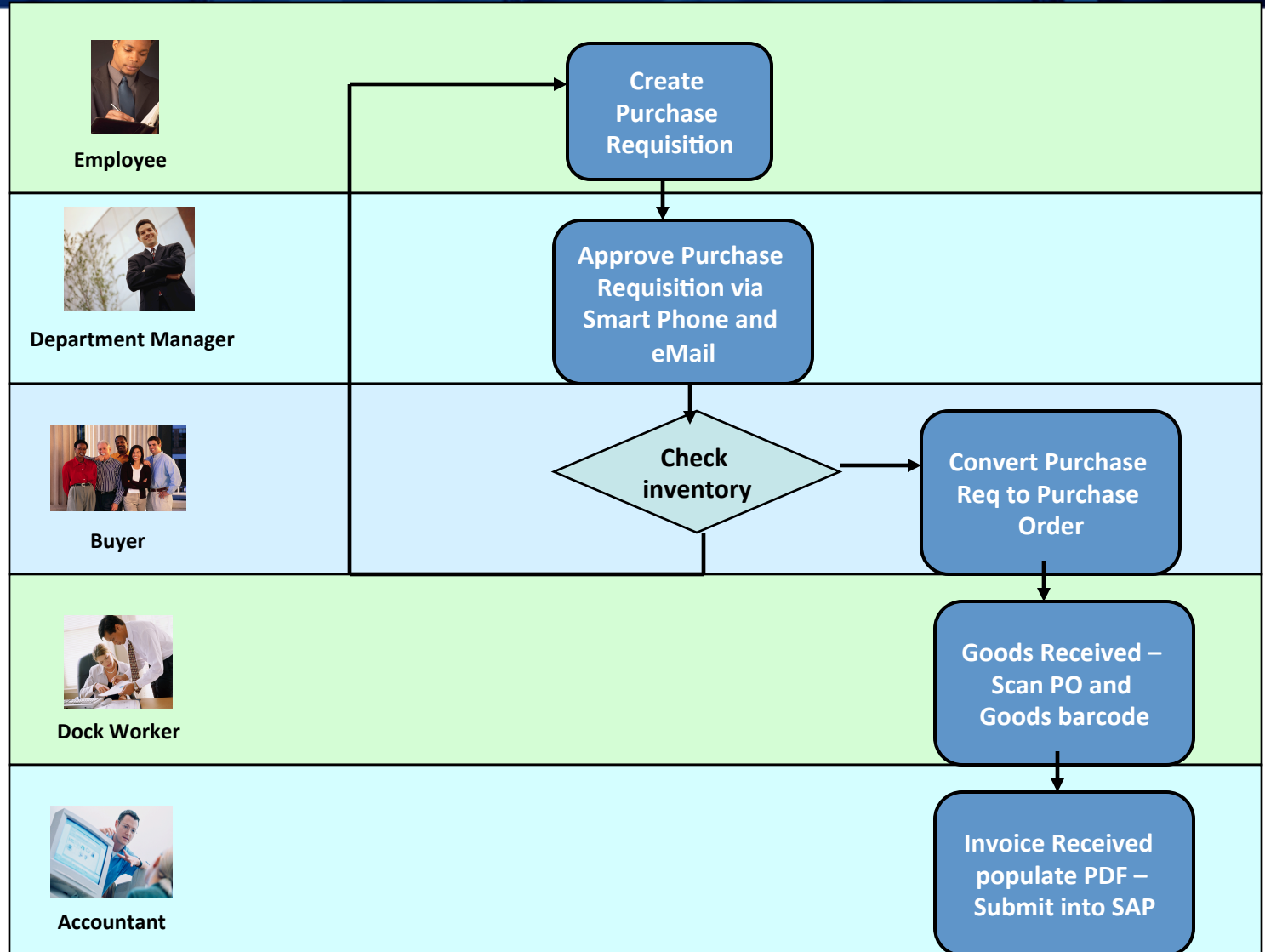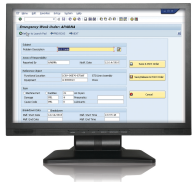
PA40

PA2

CAT2

PT50

PPPM

SAP HCM

E-13

MIRO

SAP FMS

ML81

MIGO

MB31

MF51N

MM

SAP EAM

IW21

PM

VA03

VA01

SD

SAP MFG and Ops

GuiXT Solutions

GuiXT Solutions

Business Applications

1. PM Planning and Scheduling Console	**2. Plant Maintenance**	**3. Materials Management**	**4. MM Decision Making Console**
Fleet Maintenance	Warehousing	Procure to Pay	Sales Order / Quotes
Order To Cash	Procurement	Sales Order	Service Management

Developer Toolkit

Desktop Solutions

- SAPGUI/NWBC
- Browser/NW Portal
- PDF
- Excel

Mobile Solution for Smartphones/Tablets
- Online

Mobile Solution for Handhelds (Windows Mobile)
- Offline
- Online

Mobile Solution for Laptops (Windows OS)
- Offline
- Online

SAP | GuiXT

SAP HCM	SAP FMS	SAP EAM	SAP MFG and Ops

360° User-Friendly SAP Experience

Purchase Requisition Example

Employee

Create Purchase Requisition

Department Manager

Approve Purchase Requisition via Smart Phone and eMail

Buyer

Check inventory

Convert Purchase Req to Purchase Order

Dock Worker

Goods Received – Scan PO and Goods barcode

Accountant

Invoice Received populate PDF – Submit into SAP

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SAPGUI User-Friendly Interface
Purchase Requisition Example (from 7 screens to 1!)

Smartphone/Tablet User-Friendly Interface
Purchase Requisition Example

Netweaver Business Client Integration

Windows Handheld User-Friendly Interface
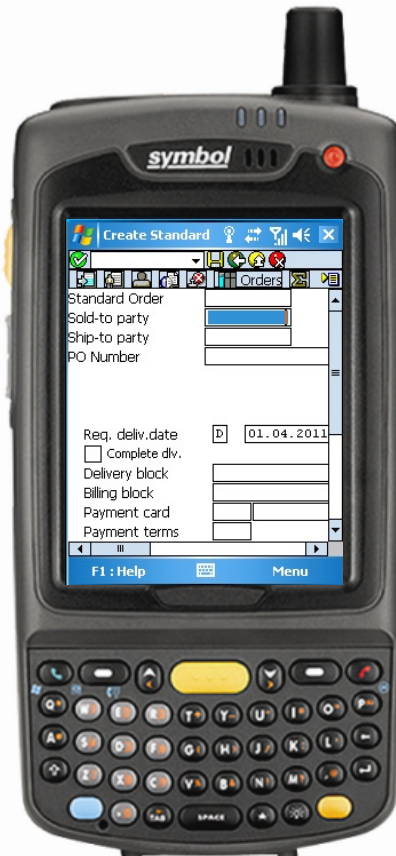
PDF and Excel User-Friendly Interface
Purchase Requisition Example

360° User-Friendly SAP Experience
Turn IT Into A Business Driver!

- **Direct connection to SAP to leverage all SAP security, authorizations and validations**
  - No recoding or reproducing data outside of SAP
- **No 3rd party application server required**
  - Reduce the heavy burden of Bloatware
- **Start from SAP and use Javascript to change the front-end**
  - Rapid ROI
  - Implement the capabilities you need now; then add more as your requirements grow over time

Unified UI Strategy with GuiXT

SAPGUI	Browser	PDF/ Excel	Smart- Phones/ Tablets	Handhelds	Offline

GuiXT

SAP
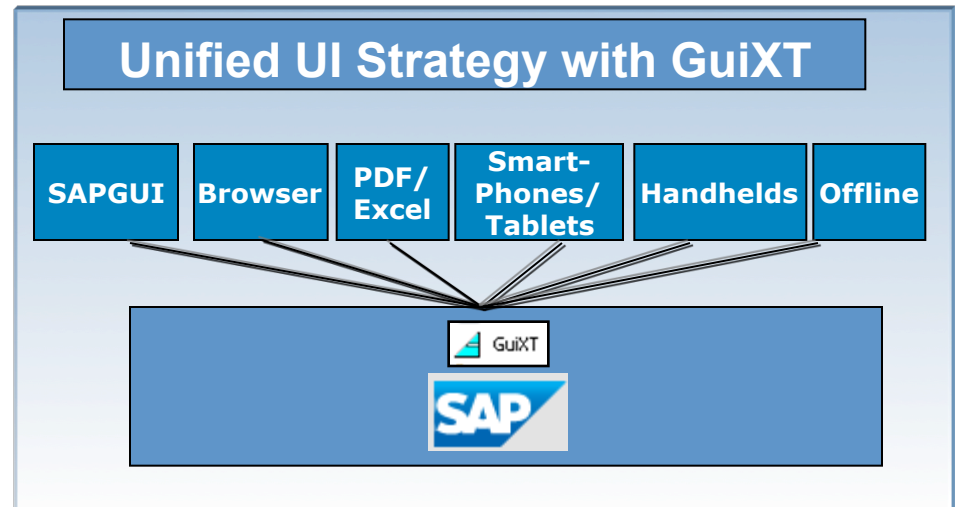
Bridge the gap between the Business and IT
Quick Wins, Strategic Advantage

Poll Question #2: Do you have the SAP Plant Maintenance Module?

- Yes, my organization has the SAP PM Module
- We do not have the SAP PM Module

Poll Question #3: Do you have the SAP Material Management Module?

- Yes, my organization has the SAP MM Module
- We do not have the SAP MM Module

Plant Maintenance Planning and Scheduling Console
Easily monitor and manage all work orders from one screen

Challenges
- *Preventative maintenance process inefficiencies as planners were overwhelmed with corrective maintenance scheduling and rescheduling.*
- *Complex SAP screens caused user errors and data integrity issues*
- *No centralized view for management to gain insight into the company's overall operations*
- *Cluttered screens reduced productivity trying to complete daily tasks including printing work order and changing statuses for individual work orders.*
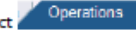
Planners and Schedulers have everything they need on one screen, instead of using Quick Reference Cards for the multiple screens and countless hours required to navigate native SAP PM gathering data on multiple work orders.

With approximately 8,000 work orders in various stages, an average of 5 mins per work order was reduced to 30 secs, increasing productivity by 90%.

Steps Required by Planners and Schedulers before using GuiXT

Plant Maintenance Quick Reference Card
Change Work Order by Operations List (IW37N)

Process

Use this procedure to search for maintenance orders by various criteria. Supervisors and work request center clerks would use this transaction to find a group of maintenance orders that meet the required criteria.

Getting Started

In the command field, enter the Transaction Code IW37N and click ✓

Field	Follow these steps
Order Status	Select **In Process (REL)** to change Work order operations within a Release Work Order.
Order Type	Enter appropriate order type. Example: 18
Functional location	Enter appropriate functional location. Use the drop down button on the functional location field to select appropriate function. (**Note:** In order to view all work orders in the desired building you <u>must</u> put the next number in the "to" field, even if it does not exist. If not the system will only show work orders written at the building level.)
Work Center	Enter appropriate work center. Example: Zone3
Plant	4000 (defaults)
Planner group	Enter appropriate planner group. Example: 243
Period	Enter in date or date range
Execute search	Click 🔎 to execute the search
Select work order(s)	Click ☐ on the far left side to select one or more work orders from the listing
	Click 📇 to view the work order details
Operations tab	Select **Operations** tab to change work centers and to add tasks to the work order
Work ctr column	Change the current work center or add more tasks
Operations short text	Enter a short description of the work to be completed by this work center
Save your changes	Click 💾 to save your changes

Other transactions:

- **IR02 (change work center)**
- **IW38 (displays a listing of service and maintenance orders that satisfy a search criteria)**
- **IW32 (change work order)**
- **IW33 (see details of the PM Work Order)**

Order Matrix and Details table

Operations, Components and Cost table display (IW33)

Capacity display and update

Order details for selected filter (Scheduler View)

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Order details based on additional filters

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Mass Change Status for Selected Orders

Material Availability Check for Selected Orders

The Planning and Scheduling Console Features

- Common transactions accessible in a **launchpad** on the main screen
- **Segregation of duties** so users see only the information required for their roles
- Provides a list count of all orders **by priority and status**
- **Allows filtering** based on Start and End times and dates, Functional Location, and/or Work Center

- **Drill down** into individual work orders and jobs, showing only the information important to the user on the main screen
- **Mass change** with one click (change the status of multiple work orders, mass print, availability checks and permit checks)

Data collection and decision-making is faster and easier, improving efficiencies, and ensuring more value from your SAP investment.

Plant Maintenance Optimization Package
Technician Launch Pad

Challenges

- *SAP screens too cluttered for maintenance operators*

- *On-going quality and mean-time-to-repair improvements to ensure reliability of equipment and uptime goals*

- *Need accurate, near realtime data and validation at each place with time and date stamp for compliance to regulatory boards*

- *Equipment Downtime causing production problems*
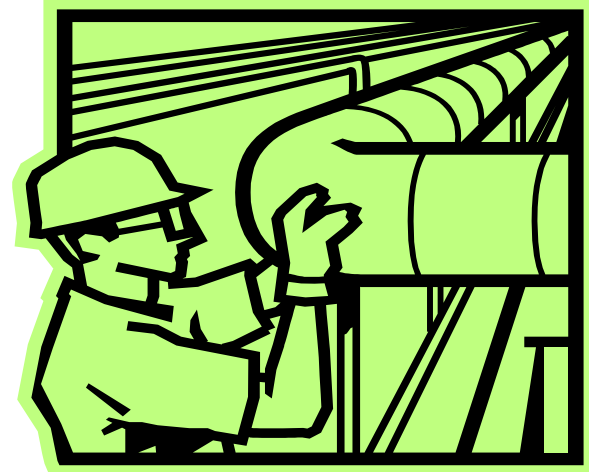
Enter work orders, create notifications and time confirmation were simplified for SAPGUI on the desktop making it easy to report on faults and complete compliance checks.

Create Work Order was reduced from 8 minutes to 4 minutes. Improved workflow and reduced error rate by 50%. Reduced training from 2 hours to 30 minutes.
Total Saving of $90k Per Year

Plant Maintenance
Technician Launch Pad

Plant Maintenance Before GuiXT: Notification & Work Order (10 Screens!)
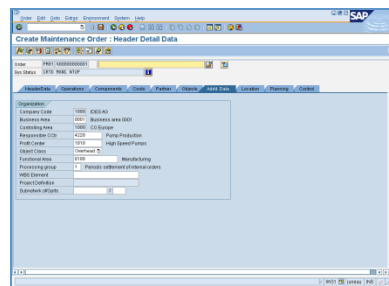
Plant Maintenance Technician Launch Pad

Plant Maintenance After GuiXT: Launch Pad
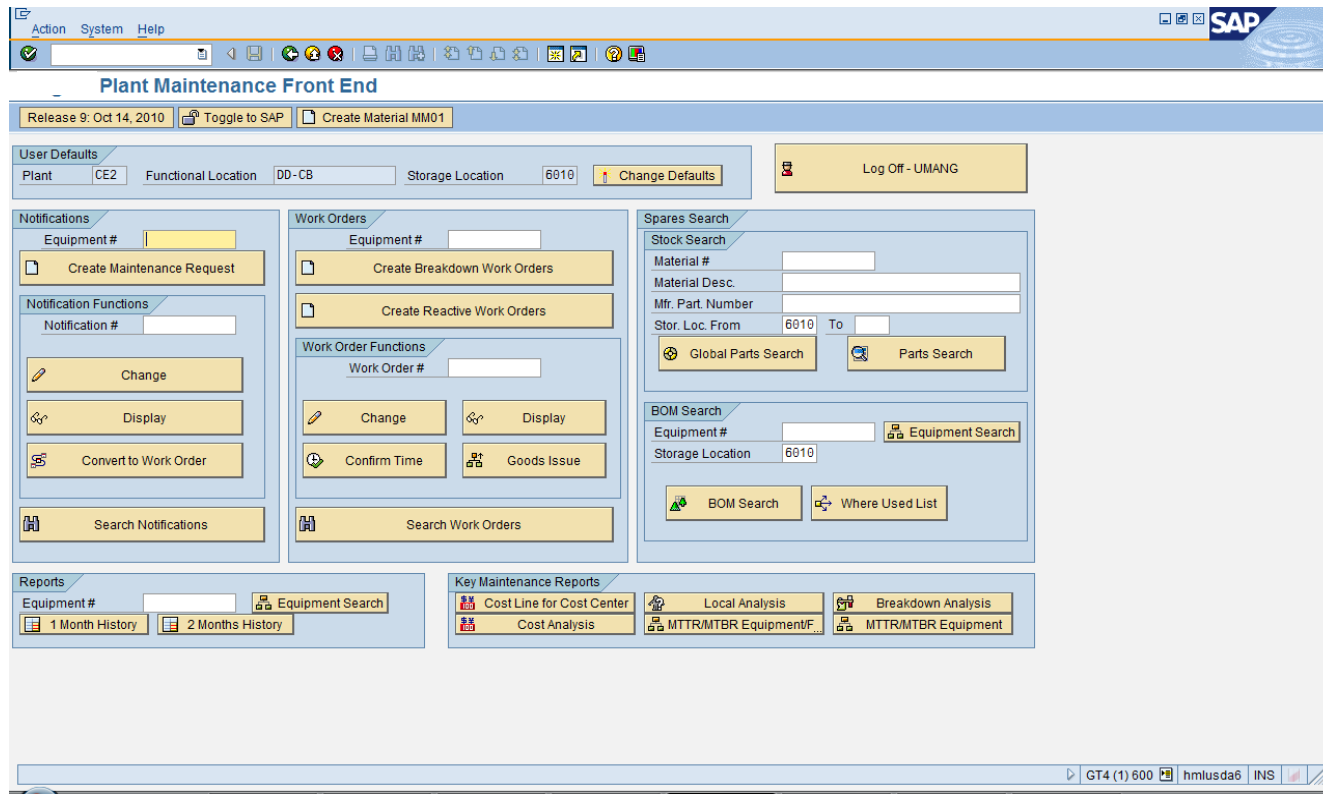
GuiXT Screens:

Notif_convertWO_timeConf.exe

Create_WorkOrder.exe

Poll Question #4: How many of you create materials using Excel?

- Yes, I use Excel
- No, I do not use Excel but create materials directly with SAP
- Other

Materials Management Optimization Package Creation of Material

Challenges

- *Updating a single material or article master record creation in SAP MM typically involves a large team of people entering data into at least 100 fields in over 20 different screens*

- *Figuring out which fields to enter data, took a lot of time to create a material and it was a difficult process.*

- *Errors can lead to failed orders or shipments*

- *Due to complex Material master SAP screens users use other applications like Excel for data entry which leads to redundant data entry and errors*

Streamlined the process of creating a material into 1 with a different interface for different material types.

Training time reduced by 75%, standardizing the process, making the users 66% more efficient and also helped in minimizing the errors.

Materials Management
Creation of Material

Materials Management Before GuiXT: Create Material 25 screens
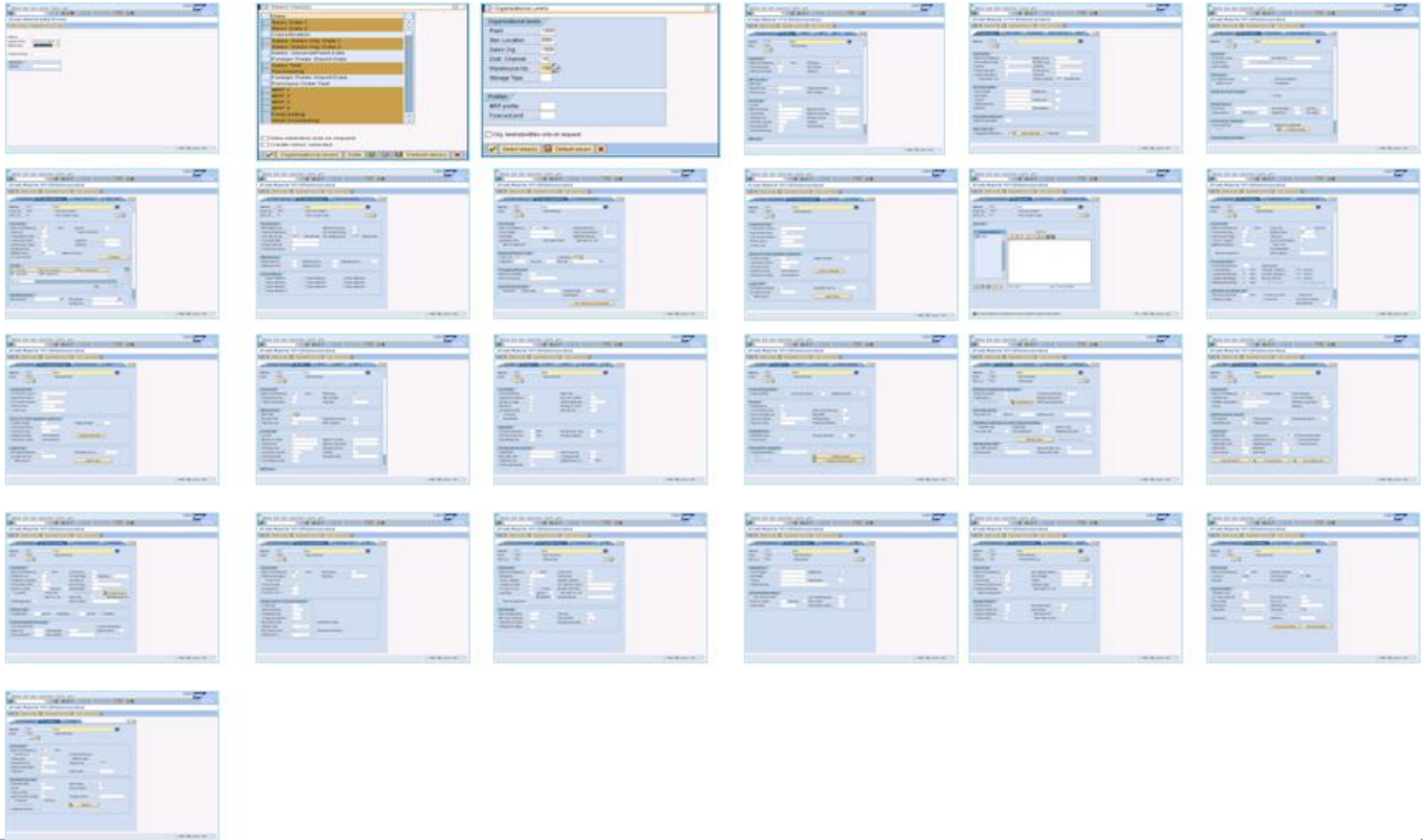
Materials Management
Creation of Material

Materials Management After GuiXT: Create Material

Native Screens:
CL01_MM01_create_class_mat_Native.exe

GuiXT Screens:
CL01_MM01_create_class_mat_GuiXT.exe

Materials Management
Creation of Material

Solution for Excel Users

GuiXT Solution:

ExcelIntegration_MM01

Materials Management
Extend Material

GuiXT Solution:

ExtendMaterial_MM01

Material Management Decision Making Console
Easily view and analyze material data from one screen

Challenges

- *Needed to improve the parts purchasing process*
- *Complex SAP screens caused sourcing of parts to be inefficient as Sales Reps had to dig through multiple screens to retrieve information on a certain material*
- *Restrictions on the length of the material notes requiring navigation to a different transaction (MM03) to view them.*
- *They also needed a web service link to an outside vendor with the ability to create a Vendor RFQ*

The goal was to make buying surplus as easy as buying new. All the data they needed to see and the actions they need to perform are all on the same screen.

The overall processing time for RFQs reduced from 15-20 mins to 1-5 mins.

Purchasing Process to Create a Quote (Before GuiXT)

Check Inventory
Check existing Customer Orders
Check existing Quotes
Check existing Purchase Orders
Check existing RFQs
If material not available, search Industry site
Request a Quote for the material
Submit PO

Material Stock Overview - MMBE

Material Stock Overview Screencam

dmc_webinar_exe.exe

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Benefits To Business Users

Make SAP Easier to Use

Dramatically cut the number of screens needed for virtually every operation in SAP. Make SAP screens simpler and more job specific using your business terminology,

Improve Productivity

Combine screens and transactions while eliminating screen clutter, keystrokes and mouse clicks.

Reduce Errors

Focus the power of SAP on your task. Display only what someone needs to do the job eliminates confusion.

Speed Training

Simpler job specific screens get new employees up-to-speed faster.

Benefits To IT – Non-Disruptive

Better Quality of Service

No need for expensive development resources so IT can focus on **higher value initiatives**. Start with SAP and build upon it instead of starting from scratch.

Better Agility

Screen modifications are completed **without touching the backend.** Extend SAP to multiple touch points without recoding or reproducing data and business logic outside of SAP. Using Javascript for front end changes eliminates the edit, compile, debug cycle.

Lower Risk

New releases of SAP have minimal impact and therefore reduced maintenance.

Lower Operating Costs

Lower costs from less UI complexity and therefore, lower support costs.

Benefits To C-Level Executives (ROI, ROI, ROI)
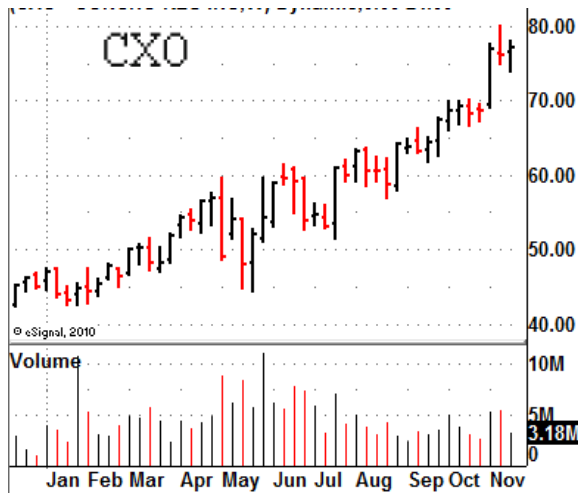
Plant Maintenance Planning and Scheduling Console

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Plant Maintenance Optimization Package

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Material Management Decision Making Console

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Material Management Optimization Package

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Upcoming Events

ASUG Pacific NW Chapter Meeting
When: July 26, 2012
Where: Portland, OR

ASUG NC/SC/VA Joint Chapter Meeting
When: August 16-17, 2012
Where: Wilmington, NC

ASUG Southern CA Chapter Meeting
When: August 17, 2012
Where: San Diego, CA

ASUG WI Chapter Meeting
When: August 24, 2012
Where: Milwaukee, WI

SAP for Utilities
When: September 9-12, 2012
Where: Hollywood, FL

TechEd
When: October 15-19, 2012
Where: Las Vegas, NV

Best Practice for Oil and Gas
When: October 21-24, 2012
Where: San Antonio, TX

SAP Projects, Reporting & Analytics
When: October 29-31, 2012
Where: Las Vegas, NV

Stop by our booth or attend a technical or business session at any of the events above and learn more about our innovative products and solutions.

Registration and details at: http://www.guixt.com/events/tradeshows.php

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THANK YOU!

For more information about
GuiXT Solutions:

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How Does GuiXT Work?

1) **User makes a request via SAPGUI (e.g. VA01)**

2) **SAP responds with VA01 screen**

3) **GuiXT screen modifications are applied and SAPGUI draws new screen for VA01**

SAPGUI

GuiXT ③

Desktop (PC)

①

②

SAP ERP
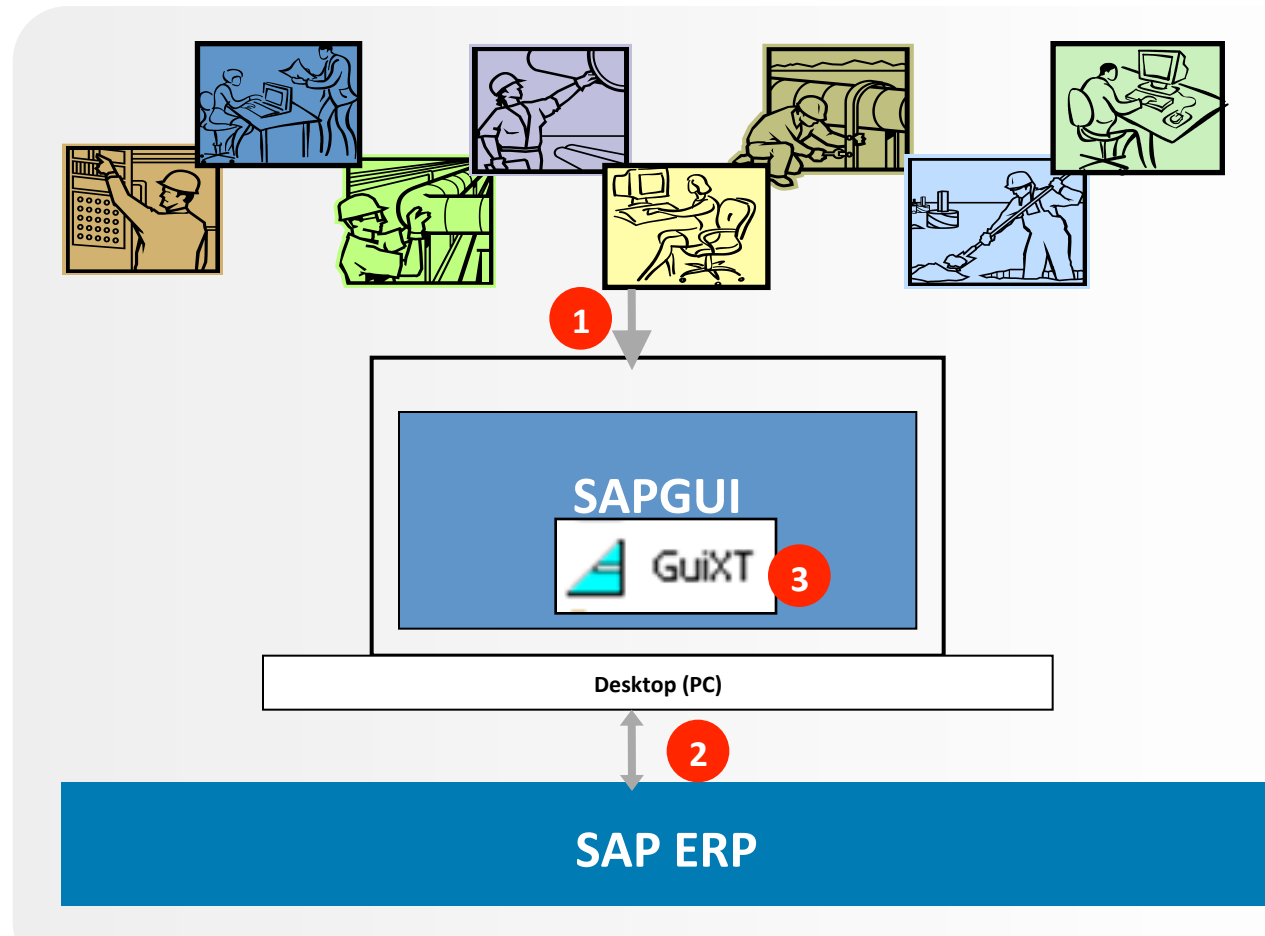
Use GuiXT Developer Toolkit to generate GuiXT screens

GuiXT Developer Kit – Workbench

Workbench maximizes ROI with faster customizations and implementations of SAP front ends.

- Record multiple screens, multiple transactions
- Generates SAPGUI, Excel, PDF or Smartphone/ Tablet front-ends, automatically mapped to SAP

Process Owner/ Business Teams → **Record the Process** → **Choose Your Front End** → **Automap**

GuiXT Developer Kit - Designer

Make Changes to the SAP Interface Quickly and Easily

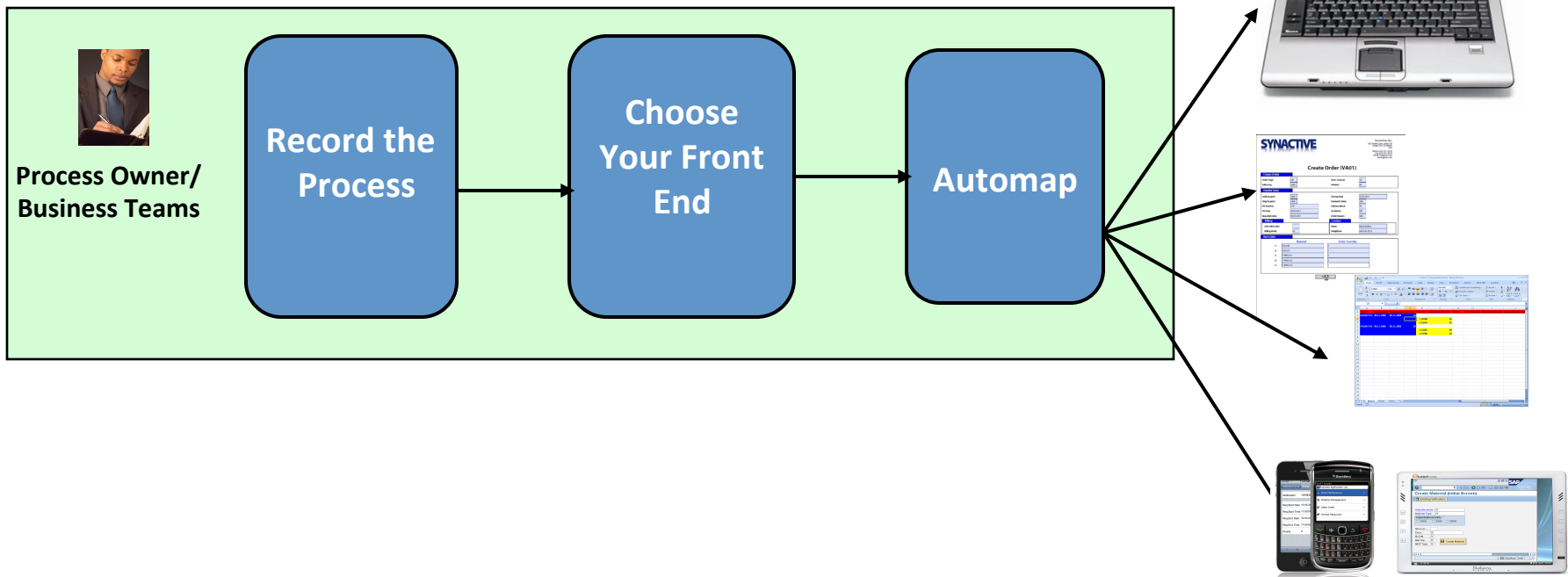- Design the screen layout with the WYSIWYG editor powered by industry standard ECMA Javascript
- Enables personalized applications **based on roles and functions**
- **Start with any SAP transaction** and record a flow for your business, then tailor it to suit your needs
- Shift or delete fields, add new elements such as images, buttons, texts, or group boxes
- Sift out the relevant fields from deep within a transaction, and **bring it forward to the front screen**
- **Automatic Javascript generation**
- Integrated, syntax colored **script editor**
- **No new APIs**, no layers of additional software to slow your system down.
- **No lengthy edit, compile, debug development cycle**