



# **SYNACTIVE**

## **How Welch Allyn Streamlines SAP Transactions Using iOS Bar Coding**

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# Learning Points

- Case Study – Welch Allyn
  - Goal
  - Approach
  - Results
- How Liquid UI Can Help
  - Goods Receipt App
  - Case Study #1
  - Case Study #2
  - Cycle Count App
- 21-day Optimized Application Program
- Q&A

# What would the user like?

A simple interface,



using fun devices.



# What are we giving them with SAP?

A complex interface,



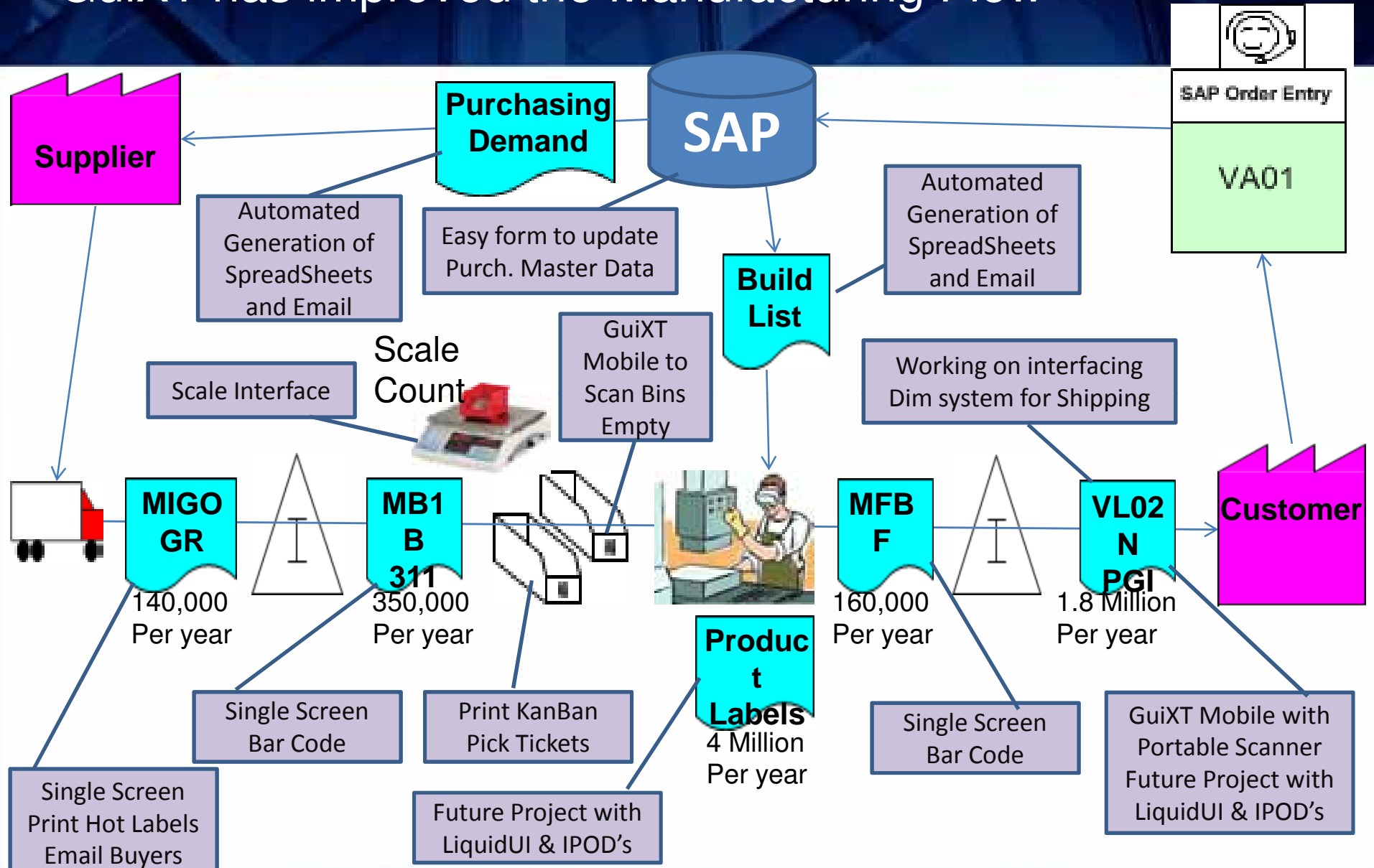
using old hardware.



# How can we use GuiXT to make SAP easier?

- **Simple - single - screen transactions.**
  - SAP is set up to do everything. Transactions can have hundreds of fields, multiple tabs, and require several screens to complete.
  - Most of the time we only need to update a handful of fields and ideally we'd like to do it in just one screen.
- **Bar Code enabled** the SAP screens with GuiXT.
  - You can put a fully functional bar code system in place with GuiXT, TalTech ActiveX, and a Scanner for less than \$2500.
- **Automation** – Why spend hours creating reports? Let GuiXT:
  - Down loading SAP information
  - Push the data into Excel
  - Automatically email the reports, before folks even wake up.
- **Interfaces** – use GuiXT to interface SAP to PC Systems and PC hardware.

# GuiXT has improved the Manufacturing Flow



# A Few Concepts

- Every SAP screen has a name with screen elements.
- GuiXT will execute a script when the SAP screen name and the script file name are the same; or when the user clicks a pushbutton.
- The flow of execution is not controlled by the program – but rather event driven by the screens appearing.
- GuiXT scripts can do amazing things. They can fill in data, select check boxes, add command buttons to run other scripts, hide screen elements, move elements, add pictures, read & write files, and lots of other stuff.
- GuiXT scripts can start PC applications.
- PC applications can start GuiXT scripts.

This enables us to  
create interfaces

# Simple - single screen - transactions.

GuiXT is used to put all the input fields on the first screen, and to create a Push button to fill out and process the subsequent screens.

For the MB1B we went from 2 Screens with 20 fields to 1 Screen with 8 fields.

Enter Transfer Posting: Initial Screen

New Item To Reservation... To Purchase Order... WM Parameters...

MVT 311 PLNT 1041 Matl 11710 Qty 1 FROM stck TO prod SLIP test ms DLVR KB WC4101

Process

MB1B waira3 INS

This format is also nicely set up to allow barcoding.  
350K transaction a year



# Simple - Single screen transactions. How is it done?

// GuiXT script file C:\GUIXT\SCRIPTS\sapmm07m.0400.txt

## //Create input fields

InputField	(0,0)	"MVT"	(0,4)	Size="3"	Name="MVT"	Default="311"
InputField	(0,8)	"PLNT"	(0,13)	Size="4"	Name="PLNT"	Default="1041"
InputField	(0,18)	"Matl"	(0,23)	Size="18"	Name="IMATL"	Default="xxxxxx"
InputField	(0,42)	"Qty"	(0,46)	Size="8"	Name="IQTY"	Default="1"
InputField	(0,55)	"FROM"	(0,60)	Size="4"	Name="FRMLOC"	Default="stck"
InputField	(0,65)	"TO"	(0,68)	Size="4"	Name="TOLOC"	Default="prod"
InputField	(0,73)	"SLIP"	(0,78)	Size="10"	Name="MSLIP"	Default="test ms"
InputField	(0,89)	"DLVR"	(0,94)	Size="15"	Name="DLVR"	Default="KB WC4101"

MVT	311	PLNT	1041	Matl	11710	Qty	1	FROM	stck	TO	prod	SLIP	test ms	DLVR	KB WC4101
															Process

# Simple - Single screen transactions. How is it done?

// **Create a Push Button** – can also be run by hitting a function code

```
Pushbutton (1,92) "Process" "FCode=/11"  
Process="c:\DATA\MB1B_311\MB1B.txt"  
USING OIMATL = [IMATL]  
USING OIQTY = [IQTY]  
USING OTOLOC = [TOLOC]  
USING OFRMLOC = [FRMLOC]  
USING OMSLIP = [MSLIP]  
USING ODLVR = [DLVR]  
USING OMVT = [MVT]  
USING OPLNT = [PLNT]
```

// Move the cursor to the first input field.  
SETCURSOR (0,4)

MVT	311	PLNT	1041	Mat1	11710	Qty	1	FROM	stck	TO	prod	SLIP	test ms	DLVR	KB WC4101	Process
-----	-----	------	------	------	-------	-----	---	------	------	----	------	------	---------	------	-----------	---------

# Simple - Single screen transactions. How is it done?

**//C:\DATA\MB1B\_311\MB1B.txt called by process push button**

## **// Get the input fields**

PARAMETER OIMATL  
PARAMETER OIQTY  
PARAMETER OTOLOC  
PARAMETER OFRMLOC  
PARAMETER OMSLIP  
PARAMETER ODLVR  
PARAMETER OMVT  
PARAMETER OPLNT

## **// Fill out the fields on the first screen, and hit the F8**

Set F[RM07M-MTSNR]	&[OMSLIP]
Set F[MKPF-BKTXT]	&[ODLVR]
Set F[RM07M-BWARTWA]	&[OMVT]
Set F[RM07M-WERKS]	&[OPLNT]
Set F[RM07M-LGORT]	&[OFRMLOC]
Enter "/"8"	//Execute

## **// Fill out the fields on the second screen and save**

Screen SAPMM07M.0410

Set F[MSEG-MATNR]	&[OIMATL]
Set F[DM07R-MB_ERFMG]	&[OIQTY]
Set F[RM07M-TULGO]	&[OTOLOC]
Set F[MSEG-WEMPF]	&[ODLVR]
Enter "/"11"	//Save



*How easy is that?  
Cuts Transaction time  
in half!*

# Bar Code Enabled Screens with GuiXT.

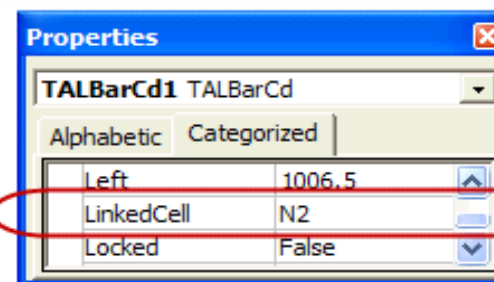
1. We put all the fields together and we enabled the push button with a function key.

MVT	311	PLNT	1041	Matl	11710	Qty	1	FROM	stck	TO	prod	SLIP	test ms	DLVR	KB WC4101	Process
-----	-----	------	------	------	-------	-----	---	------	------	----	------	------	---------	------	-----------	---------

2. Use Excel to print the labels, that we laminate, and put on Bins using Velcro.

	N					O	P	Q		R	S
1											
2	3111041405504	20	STCKPRODKB Line	KB WC4605	☐		Green Series	<b>PART: 405504</b>			
3								<b>WC: WC4605 QTY: 20 EA</b>			
4								STCK CTRL BOX FRONT MOULDING PRINTED KanBan			
											MB1B/311

3. TalTech is an ActiveX that allows you to create Bar Codes from the contents of an Excel cell.

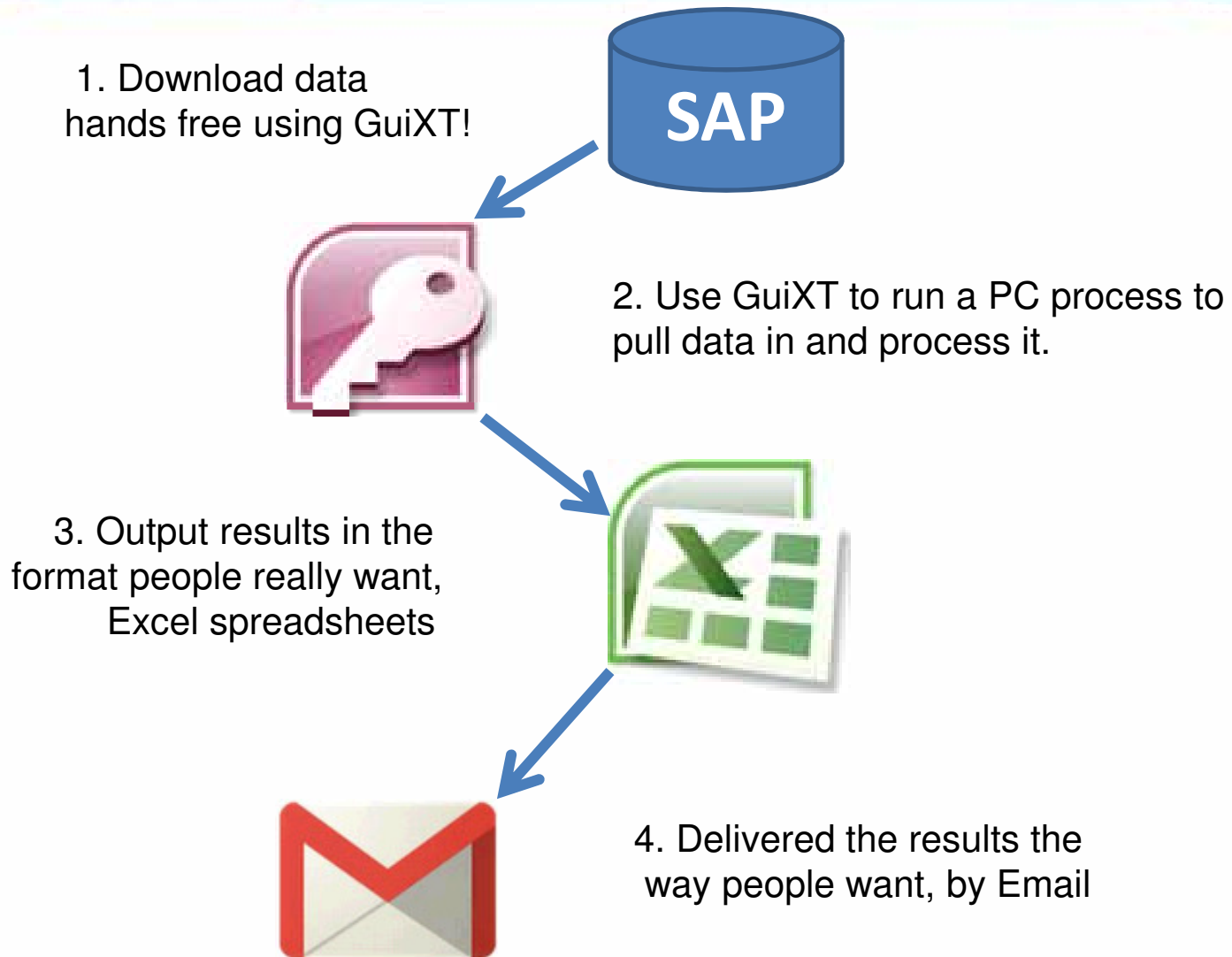


4. Then you just need a bar code scanner connected to the USB port.

**\$39.99**



# Automation



# Automation – How to do it.

- ' Set up an Access data base with an autoexec marco to run this code
- ' Use windows scheduler to run it at night.

Function Downloads\_from\_SAP()

' Kill SAP Logon

RetVal = **Shell("taskkill /IM saplogon.exe")**

Tries = 0 ' logon tries

Do ' Try to start SAP several times

RetVal = **Shell("C:\Prog~files\~~~\sapshcut.exe -sysname=WAP -client=900 -user=MySAPid -pw=MyPW")**

Tries = Tries + 1

Sleep 60000 'Sleep for 60 seconds

Loop Until isRunning("SAPlogon.exe") Or Tries > 6

'Failed to log on. Quit

If Tires > 6 Then

Print #1, "Failed to start SAP, quit. " & Now()

Exit Function

End If

**'The following Shell command runs the GuiXT script to download the information**

RetVal = **Shell("C:\Prog~files\~~~\guixt.exe Input=OK:process=c:\data\GuiXT\_script\_file.txt")**

Quit 'Close this application

End Function

# Automation – How to do it.

**// c:\data\BatchJobs\GuiXT\_DL\_Script.txt**

**// The Access data base runs this script after it logs on to SAP.**

**// This script then runs other scripts and PC processes.**

// Run the BenchMark scripts and Email right from SAP

Include "c:\data\BatchJobs\Script\_Email\_BenchMark.txt"

// Down load all the Material Master tables,

Include "C:\Data\SAP\_MMMM\_GuiXTscripts.txt"

//and run a batch file to put them in a data base on a shared drive

View "C:\Data\SAP MM\Get Data.ba"

// Run the Purchasing VMI scripts,

Include "C:\Data\purchasing\VMI\_SCRIPTS.txt"

// and then run the Access Database to send out emails to suppliers

View "C:\data\purchasing\VMI\_Reports.mdb"

// Log off SAP

Enter "/nex"

# Automation – How to do it.

- This spread sheet, which is used to examine safety stock levels, is equivalent to ~ 85,000 SAP screens!

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	X	Y	Z	AD	AE	AF	AG	AH
	Material description	Material	Plant	MRP Cn	MS Type	Proc	Min lot size	Rou ndn g val	PO Open Qty	Kan Ban Bins	Kan Ban Qty	Avg Wkly Dem	Std Dev	Data Points	Lead Time in Wks	Safety stock	Calc Safety	Dem Chg 13wk	Usage Chart									
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
487	SCREW 3-56 .250 PAN PHILLIPS	106100-1	1000	JLI	QU	F	0	100	90380	2	100	42	20	42	0	200	18	-7%										
488	PHIL 4-40 X .312	106100-11	1000	JLI	QU	F	0	50	97700	2	50	16	13	6	0	100	10	0%										
489	SCREW 6-32 .500 PAN PHILLIPS OTHER	106100-13	1000	JLI	QU	F	0	0	657005	4	1000	1389	470	46	0	2500	1293	15%										
490	SCREW 8-32 .375 PAN PHILLIPS	106100-14	1000	JLI	QU	F	0	100	98500			1	0	1	0	100	1	0%										
491	SCREW 4-40 .750 PAN PHILLIPS	106100-16	1000	JLI	QU	F	0	20	997240	2	40	23	20	34	0	120	18	0%										
492	SCREW 3-56 .312 PAN PHILLIPS	106100-17	1000	JLI	QU	F	0	100	97700	2	100	21	15	7	0	200	15	0%										
493	SCREW 3-56 .187 PAN PHILLIPS	106100-2	1000	JLI	QU	F	0	100	72000	2	100	119	77	44	0	400	101	-10%										
495	PHIL 8-40 X .250 BLK OXIDE PLT	106100-29	1000	JLI	QU	F	0	160	75655	2	160	76	60	41	0	320	59	-8%										
496	SCREW 4-40 .500 PAN PHILLIPS	106100-3	1000	JLI	QU	F	0	100	90500	2	80	46	36	39	0	160	37	-8%										



# Automation – How to do it.

- And with GuiXT and a little VBA, you can click on a row in the spread sheet and have Excel pull up MD04 in SAP for that part!

```
Private Sub Worksheet_SelectionChange(ByVal Target As Range)
```

```
' runs when a user changes a selection.
```

```
'See if user has clicked on a row
```

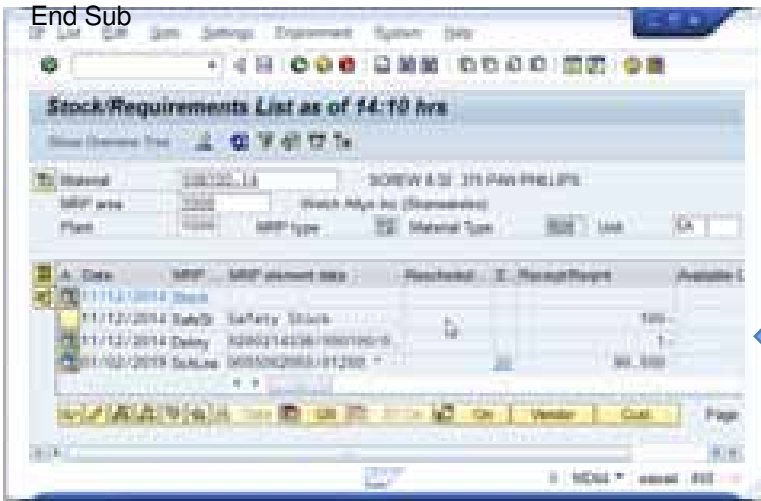
```
If (Selection.Count = 16384 And Selection.Rows.Count = 1)  
Then
```

```
'run excel MD04 function
```

```
Run_MD04
```

```
End If
```

```
End Sub
```



```
Public Sub Run_MD04()
```

```
Dim fso As Object
```

```
Set fso = CreateObject("Scripting.FileSystemObject")
```

```
Dim oFile As Object
```

```
'Write out a GuiXT script file
```

```
Set oFile = fso.CreateTextFile("c:\md04.txt")
```

```
oFile.WriteLine "Screen *"
```

```
oFile.WriteLine "Enter ""03""
```

```
oFile.WriteLine "Screen *"
```

```
oFile.WriteLine "Enter ""/nmd04""
```

```
oFile.WriteLine "Screen SAPMM61R.0300"
```

```
' pass the material and plant from the selected Excel row
```

```
oFile.WriteLine "Set F[RM61R-MATNR]  "" & Range("b" & ActiveCell.Row).Value & ""
```

```
oFile.WriteLine "Set F[RM61R-WERKS]  "" & Range("c" & ActiveCell.Row).Value & ""
```

```
oFile.WriteLine "Set C[RM61R-DFILT]  "" ""
```

```
oFile.WriteLine "Set C[RM61R-BERID]  "" ""
```

```
oFile.WriteLine "Enter ""=FILT""
```

```
oFile.WriteLine "Screen SAPMM61R.0300"
```

```
oFile.WriteLine "Enter"
```

```
oFile.Close
```

```
'run the GuiXT Script just created
```

```
retv = Shell("c:\program files\SAP\FrontEnd\SAPgui\guixt.exe
```

```
Input=OK:process=c:\md04.txt")
```

```
Set fso = Nothing
```

```
Set oFile = Nothing
```

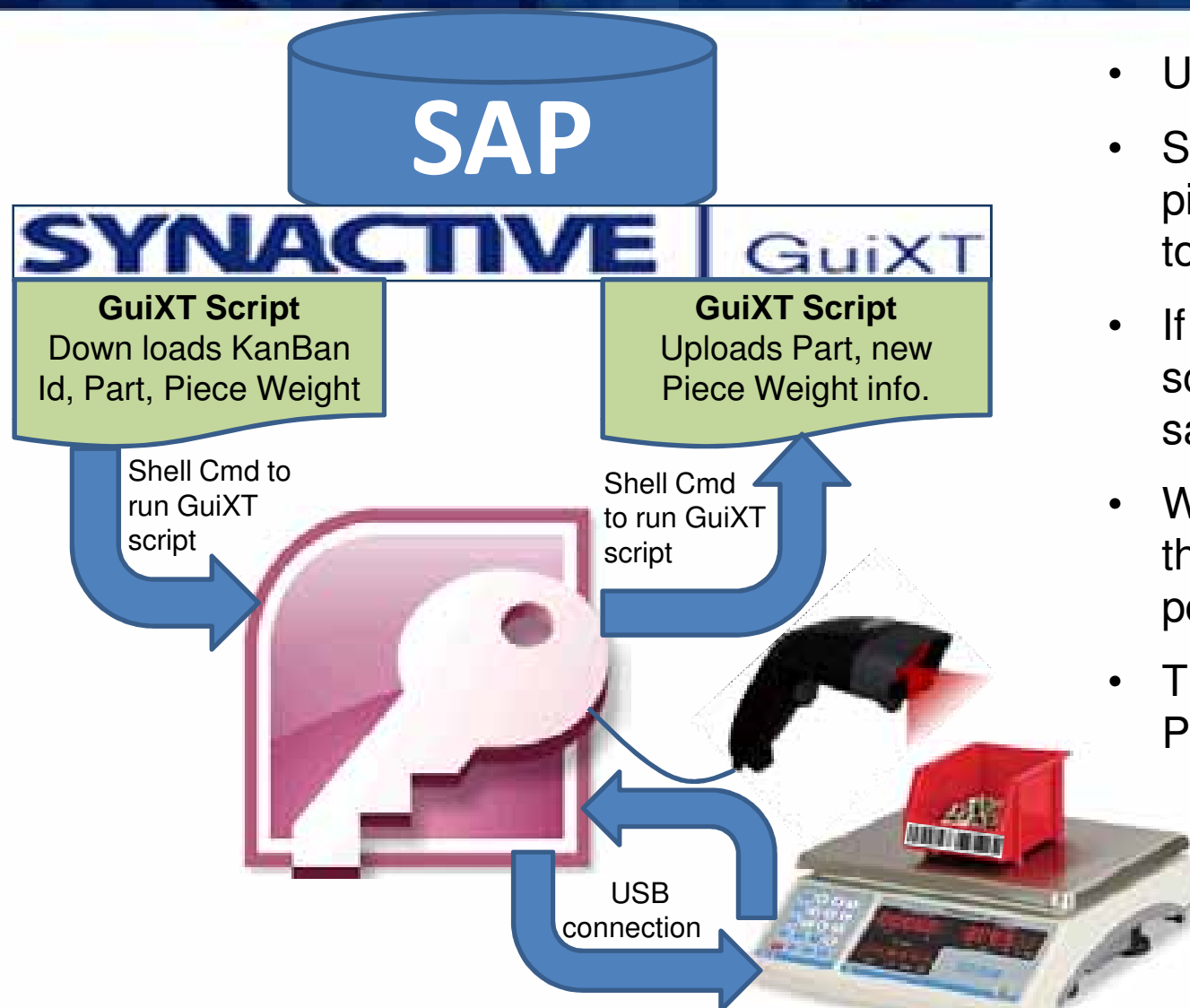
```
End Sub
```

# Automation – Process the data

Typically use Microsoft Access with an auto-execute macro to:

- Pull in the text files down loaded from SAP.
- Clean them up.
- Perform any joins, calculations, processing
- Output to Excel
- Email using Google Mail
- Post on the internet using Google Drive

# Interfaces – a typical one.



- User scans KanBan Id
- System looks up the parts piece weight and sends it to the scale.
- If there is no pc.wgt, the scale is set to do a sample.
- When the sample is done, the scale sends the pc.wgt to system.
- The system updates the Part's pc.wgt. in SAP .

# Interfaces – How's it work?

Microsoft Access data base has a form with two buttons.

These buttons execute shell commands to run GuiXT scripts.

**Download SAP Piece Weights**  
Shell ("C:\Program Files\SAP\Frontend\sapgui\guixt.exe  
Input=OK:process=C:\data\AvgPCwgt\Get\_SAP\_Wgt.txt")

**Update SAP PcWgt from Scale**  
Shell ("C:\Program Files\SAP\Frontend\sapgui\guixt.exe  
Input=OK:process=C:\data\AvgPCwgt\Upd\_SAP\_Wgt.txt")

**SYNACTIVE** | **GuiXT**

**GuiXT Script**  
Down loads KanBan Id,  
Part, Piece Weight

**SAP**

**GuiXT Script**  
Uploads Part, new  
Piece Weight info.

# Interfaces – How's it work?

```
// Access writes the updates to a text file and then runs this script
// SAP Easy Access
Screen SAPLSMTR_NAVIGATION.0100
Enter "/nMM02"
```

```
// set up files
Parameter UpFr_file "c:\junk\WgtUpdfile.txt" Delimiter=","
```

```
// open files
OpenFile "&[UpFr_file]"
```

**label Read\_File** ←

```
// Read input file.
ReadFile "&[UpFr_file]" u_part u_gwgt u_nwgt u_wum
```

```
Message "Read &[u_part]" -StatusLine
```

```
// if end of the input file, close the files, and Quit
if not V[u_part]
```

```
Screen SAPLSMTR_NAVIGATION.0100
Enter "mm03"
CloseFile "&[UpFr_file]"
CloseFile "&[UpFr_Log_file]"
Return "Finished Updating"
```

```
Endif
```

```
// Change Material
Screen SAPLMGMM.0060
Set F[Material] &[u_part]
Enter
```

```
// Select View(s)
Screen SAPLMGMM.0070
Enter
```

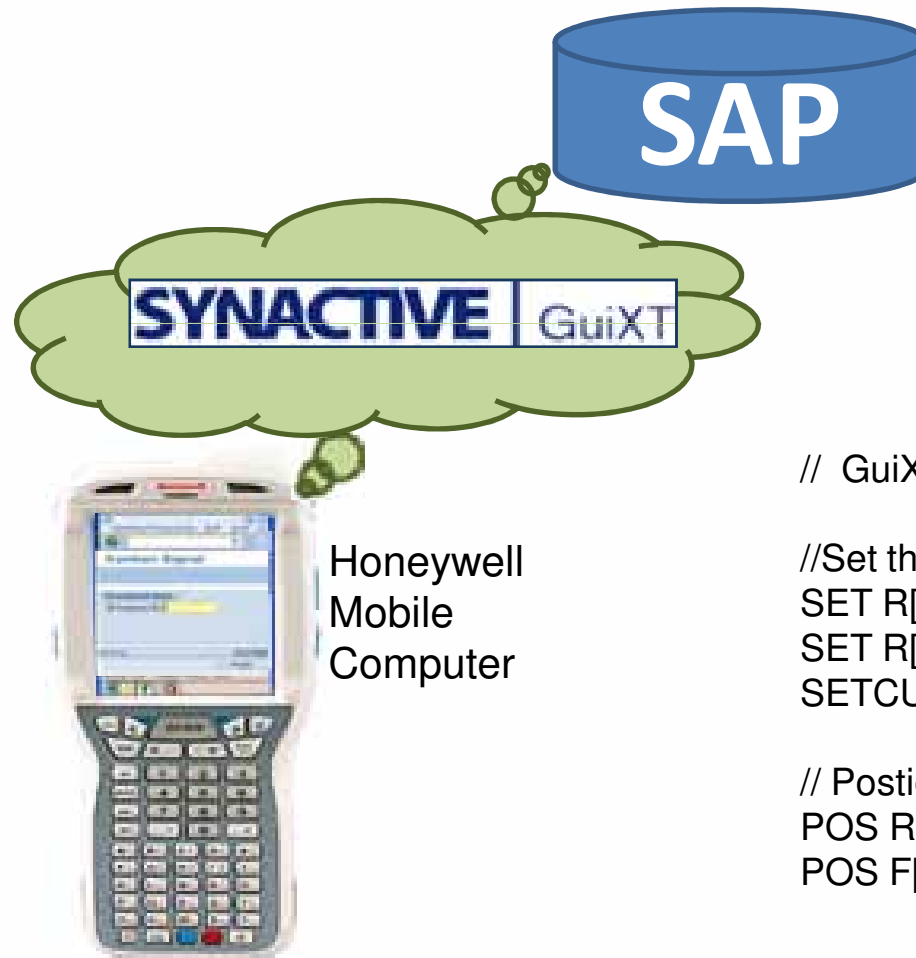
```
// Change Material (2nd Screen)
Screen SAPLMGMM.4004
```

```
// Update New Material Values
Set F[Gross weight] &[u_gwgt]
Set F[Weight unit] &[u_wum]
Set F[Net weight] &[u_nwgt]
Enter "/11" //SAVE
```

**GOTO Read\_File**

# Interfacing to a Mobile Device

- Material mover can go all over the production floor and scan the Kan Ban Bins empty.



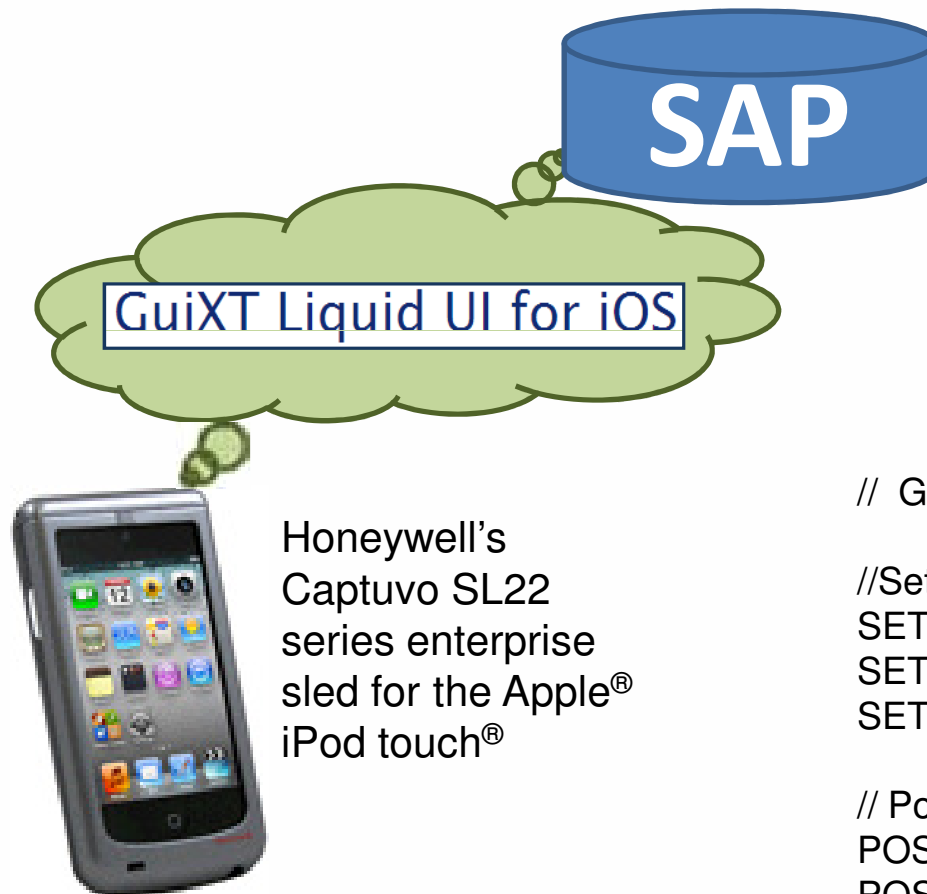
// GuiXT script for PKBC to move fields

```
//Set the default status  
SET R[RMPKB-FLEER] "x"  
SET R[RMPKB-PKINR] "X"  
SETCURSOR F[RMPKB-PKKEY]
```

```
// Position the Kanban Id fields to the top Left  
POS R[RMPKB-PKINR] (1,1)  
POS F[RMPKB-PKKEY] (1,12)
```

# Interfacing to an iPod Touch

- We're working on replacing the Mobile Computers with iPod's



Honeywell's  
Captuvo SL22  
series enterprise  
sled for the Apple®  
iPod touch®

- Liquid UI doesn't lose SAP connection.
- iPod is a fraction of the cost. It's lighter and has more functions. Email, imessage
- Honeywell SLED provides fast bar code reading, more rugged, security.

// GuiXT script for PKBC to move fields

```
//Set the default status  
SET R[RMPKB-FLEER] "x"  
SET R[RMPKB-PKINR] "X"  
SETCURSOR F[RMPKB-PKKEY]
```

```
// Position the Kanban Id fields to the top Left  
POS R[RMPKB-PKINR] (1,1)  
POS F[RMPKB-PKKEY] (1,12)
```

# Interfacing to an iPod Touch

I have PKBC running on the iPod touch.

Very cool, but I need smaller fingers :-)



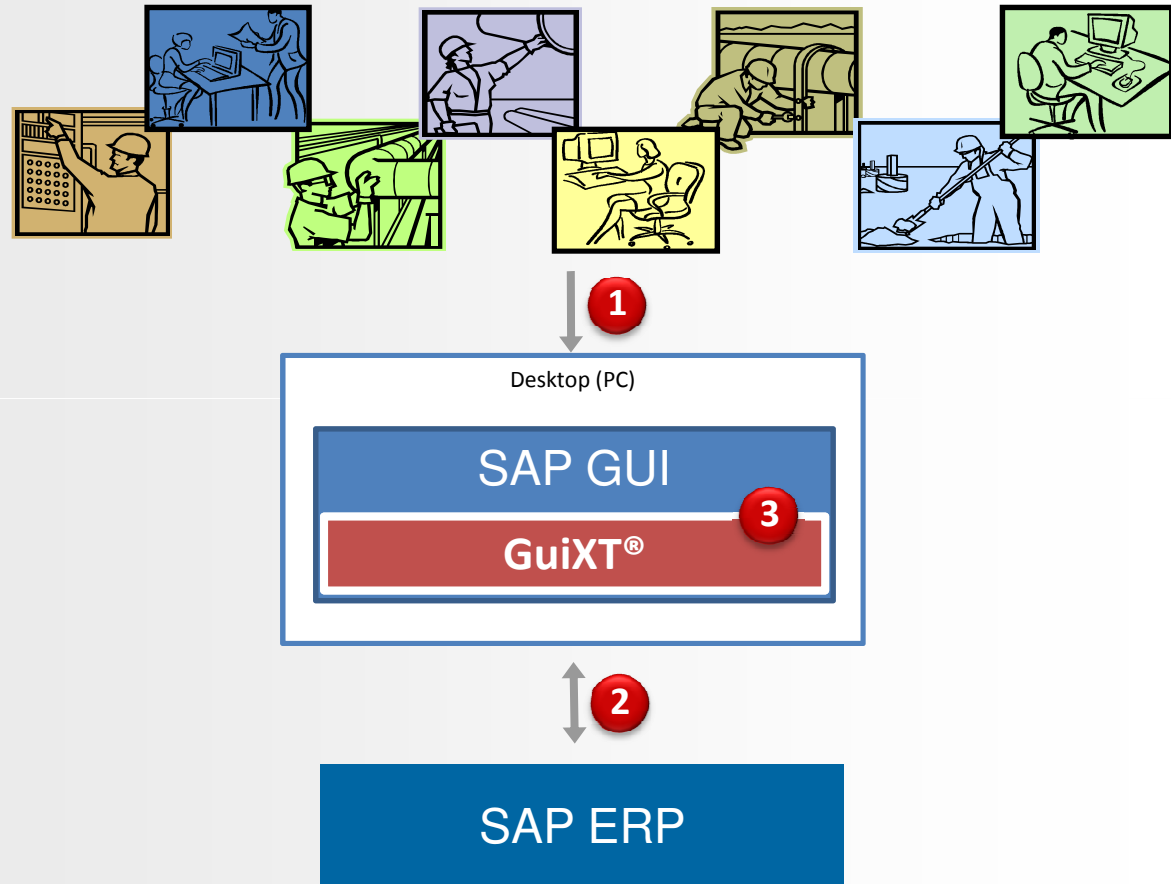


# How can we use GuiXT to make SAP easier?

- **Simple - Single screen transactions.**
  - Very easy to do and can cut transaction times in half
  - Great ROI's
- **Bar Code enabled** the SAP screens with GuiXT.
  - Increase transaction speed Ten fold with less errors.
  - Minimal investment.
- **Automation**
  - Great way to send management / supplier / operation reports
  - Schedule them to run at midnight.
  - In you inbox ready to process
- **Interfaces**
  - Connect iPod to SAP. How cool is that!
  - Interface SAP to PC hardware and PC Systems.

# 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



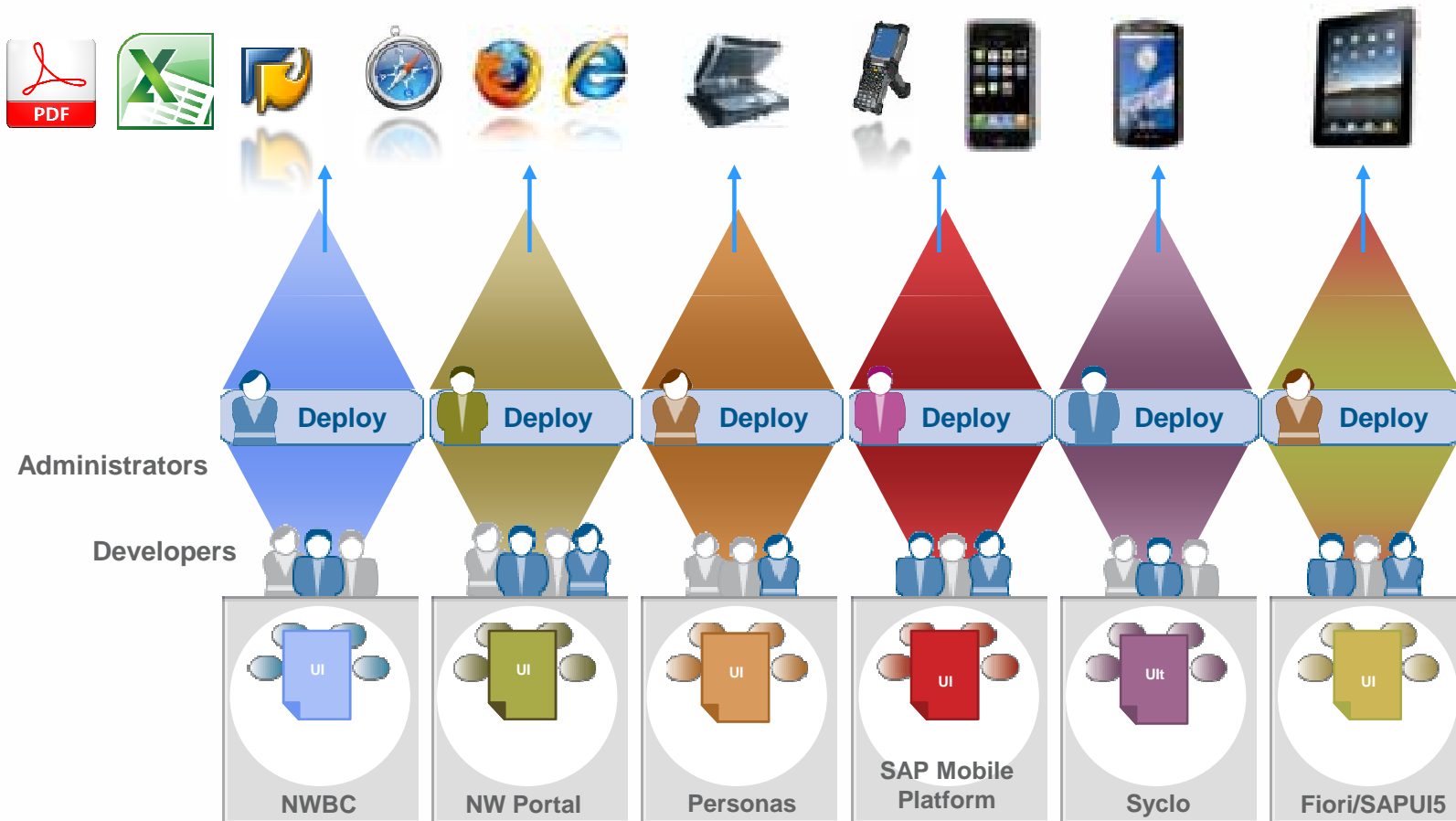
GuiXT Developer Toolkit used to generate GuiXT screens

# What is included with SAP GUI?

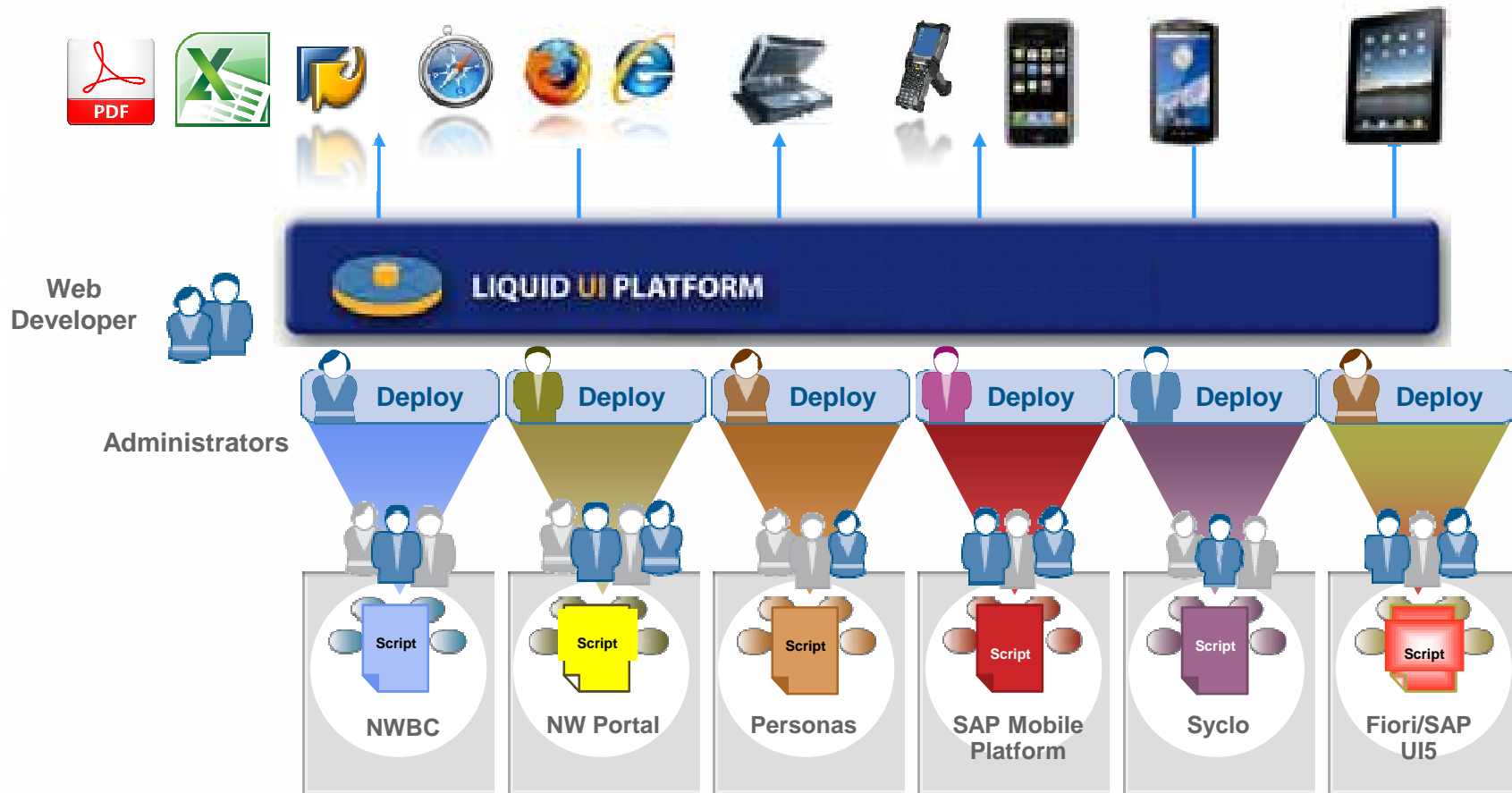


- Single screen modifications only
- No screen aggregation

# Improving the User Experience Before Liquid UI



# Improving the User Experience After Liquid UI



# Liquid UI Screen Aggregation

## Good Receipt for Purchase Order



# Same Application on Android with Camera Integration for Barcode Scanning



# Same Application on iPhone / iPad And Windows Scanguns



**ONE development effort, multiple touchpoints**

For full screen recording go to:

[http://www.guixt.com/rapidapps/goods\\_receipt.php](http://www.guixt.com/rapidapps/goods_receipt.php)



# Case Study: Sugar Cane Refinery

**A leading domestic sugar producer and North America's first fully integrated cane sugar company, farming 185,000 acres of land.**

## Challenges

- Complex screens for inbound production and receiving, and outbound deliveries
- Material count manual entry
- Accessibility of devices while in plants and storage locations
- Some plants have low or no network connectivity due to security reasons, resulting in duplicate work efforts



# Custom Transactions

- WM013 – Inbound with STO's
- WM014 – Inbound with PO's
- WM015 – Receiving from Production
- WM016 – Receiving from Production
- WM019 – Outbound to Customer with STOs
- WM021 – Outbound to Customer with SOs

# Liquid UI Inbound and Outbound Delivery Process on Scan Guns

- Inbound - when you get the materials into the warehouse
- Outbound are materials you send outside.
- Internal – when goods are moved about internally

For full screen recording go to:  
<http://www.guixt.com/screencams>

The screenshot displays three overlapping windows in the Liquid UI interface, each with a toolbar at the top containing icons for navigation and actions.

**Top Window (Product Entry):**

- Product
- BC/HU NO.
- Material
- Batch
- Qty.
- Dest.Bin
- F1 Save
- F8

**Middle Window (BIN TO BIN):**

- BIN TO BIN
- SU/HU
- Mat
- Batch
- Qty
- D.Bin
- F1 Save

**Bottom Window (Assign trailer to Door):**

- Assign trailer to Door
- Delivery No. 30320371
- Customer 6049 - ASR C/O...
- City New Orleans
- State LA
- Ware House CHL
- Door
- Truck Pass 14342
- F1 Save
- F2 Clr
- F3 Back

# Case Study #2: Textile Fibers Company

One of the world's largest integrated producers of polymers and fibers, primarily for nylon, spandex and polyester applications in clothing, carpets, cars and computers.

## Challenges

- *Miscalculation in inventory, results in excessive goods in the warehouse or a backlog.*
- *Shorter shelf life products sitting in the warehouse turn into scrap materials.*
- *Goods Movement of hazardous material to a wrong location results in compliance penalty.*
- *Productivity is lost when users write the Goods receipt information on paper and then re-enter it in to SAP*



**GuiXT Mobile solution in both online and offline modes provided easy access in plants / storage locations with barcode scanners for fast and accurate inventory counting, reservation and picking.**

# Processes Optimized

**MIGO\_GR Goods Receipt**

**MIGO\_GI Goods Issue**

**MIGO\_TR Transfer Posting**

**MI01 Create Physical Inventory**

**MI04 Enter Inventory Count**

# MI04 - Enter Inventory Count

## Warehouse Management Before Liquid UI

The image displays three overlapping screenshots of a legacy software interface for entering inventory counts. The windows are titled 'Enter Count w/o Reference' and 'Enter Count w/o Reference to Document: New Items'.

**Leftmost window (Enter Count w/o Reference):** Shows fields for 'Count date' (01/12/2012), 'Document date' (01/12/2012), 'Loc. of phys. inv.' (Plant: 8474, Storage Location: 8100), and 'Special Stock' (checkbox). Below these are 'Other information' fields: 'Phys. inventory no.', 'Phys. inventory Ref.', 'Variance in %', and 'Grouping type'.

**Middle window (Enter Count w/o Reference):** Shows 'Part' (8474 ORANGE PLANT), 'Stor. Loc.' (8100 Central Store), and a table for 'Items'.

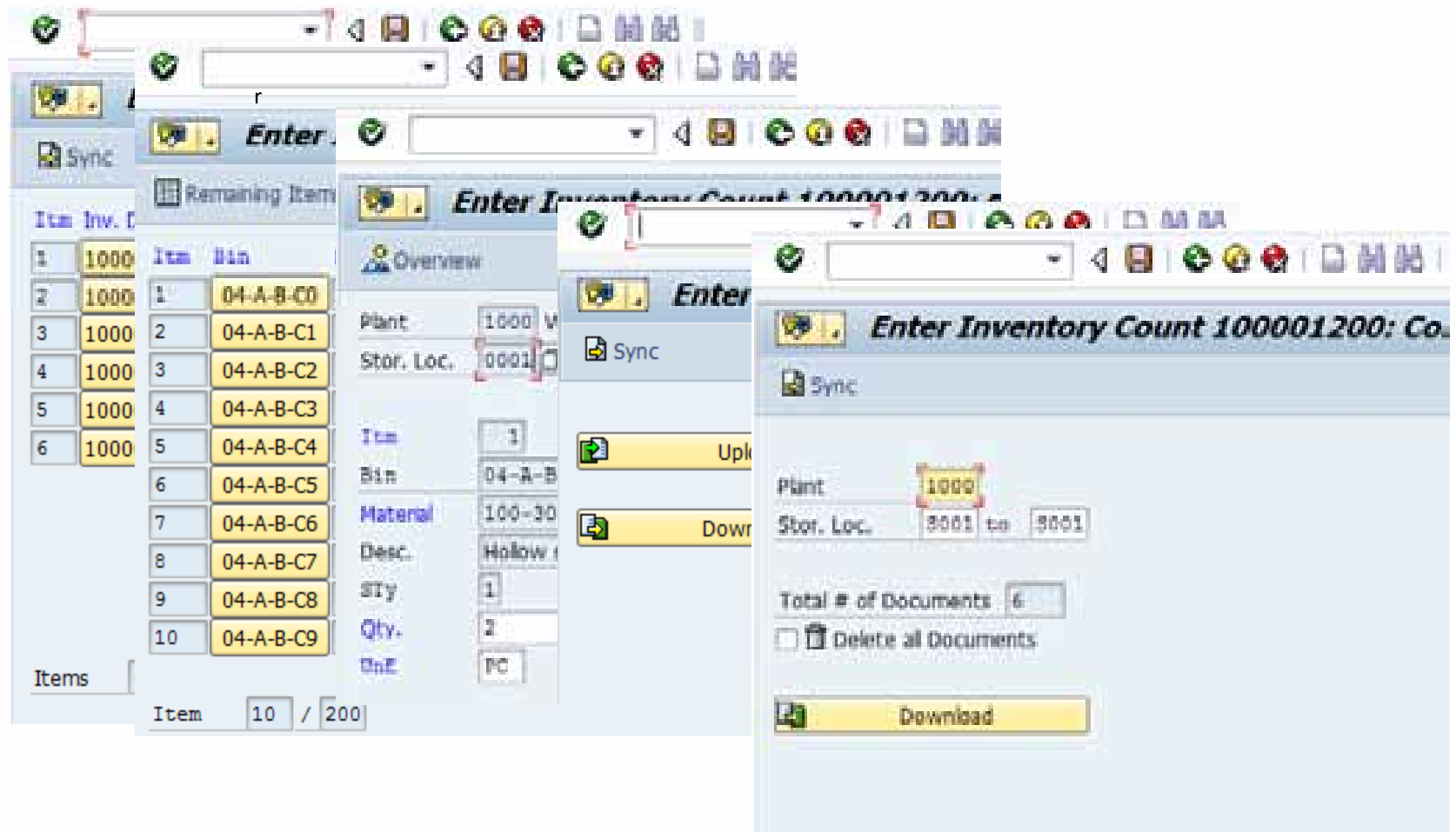
Item	Material	Batch	Material Description
1	12350740		VALVE GLOBE SV772 50316 150 PL

**Rightmost window (Enter Count w/o Reference to Document: New Items):** Shows 'Part' (8474 ORANGE PLANT) and 'Stor. Loc.' (8100 Central Store). Below is a table for 'Items' with columns for 'Item', 'Material', 'Batch', 'Sales Value', 'Qty', 'Quantity', and 'Unit of Measure'.

Item	Material	Batch	Sales Value	Qty	Quantity	Unit of Measure
1				1	0,000	
2				0	0,000	
3				1	0,000	
4				1	0,000	
5				1	0,000	
6				1	0,000	

# MI04 - Enter Inventory Count

Warehouse Management After Liquid UI (Offline handheld mobile device)



The screenshot displays the 'Enter Inventory Count' application interface on a handheld device. The interface includes a list of items with their inventory counts, a search bar, and a 'Sync' button. The 'Enter Inventory Count' dialog is open, showing fields for Plant, Stor. Loc., and Item. The 'Plant' field is set to 1000, 'Stor. Loc.' is set to 0001, and 'Item' is set to 1. The 'Enter Inventory Count' dialog also shows a 'Sync' button and a 'Download' button.

Item	Inv. Count
1	1000
2	1000
3	1000
4	1000
5	1000
6	1000

Items: 10 / 200

Plant: 1000  
Stor. Loc.: 0001  
Item: 1

Sync

Download

# ROI

- Physical inventory count process was reduced by 50%
- Errors reduced by 75%
- Employee productivity increased by 40%
- Easy to train employees and intuitive interface



<http://www.guixt.com/screenshots/WarehouseManagement.php>



# Cycle Count App

- Improve customer service
- Reduce inventory costs
- Users work more efficiently via workflow integration in the application
- All required information necessary to create inventory document on screen
- Users are less prone to errors
- Deployable in as little as 1 day

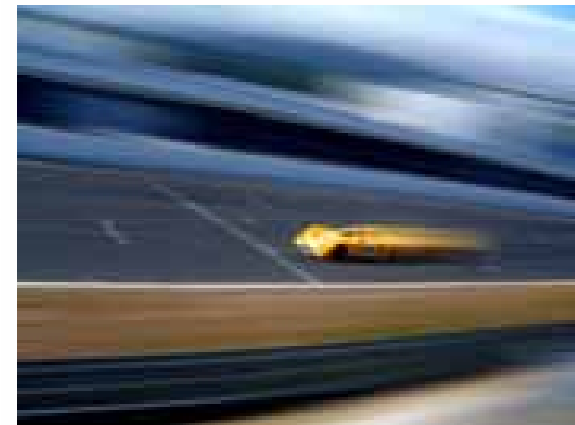
For full screen recording go to:

[http://www.guixt.com/rapidapps/cycle\\_count.php](http://www.guixt.com/rapidapps/cycle_count.php)



# Building the Business Case

	Transactions	Seconds	Hours	Hrs@\$20	FTE's
MIGO	140,000	100	3,889	\$77,778	1.9
MB1B/311	350,000	60	5,833	\$116,667	2.9
MFBF	160,000	45	2,000	\$40,000	1.0
VL02N	350,000	90	8,750	\$175,000	4.4
SCALE	100,000	60	1,667	\$33,333	0.8
Interface					
Pick tickets	350,000	30	2,917	\$58,333	1.5
Shortage report	2,080	10,800	6,240	\$124,800	3.1
Supplier Emails	176,800	300	14,733	\$294,667	7.4
			46,029	\$920,578	23.0



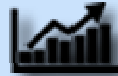
**Company X will need 23 additional people to receive goods with Standard SAP**

# Real ROI



## Plant Maintenance

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 \$90,000 per year.



## Materials Management

This helped them in reducing the training time by 75%, standardizing the process, making the users 66% more efficient and also helped in minimizing the errors.



## Procure To Pay

Ten to twelve actions reduced to a maximum of three actions; 75% time savings with improved accuracy.



## Sales Order / Quotes

Create sales order reduce to 3 screens from 22 screens, which previously took 8 minutes to process vs. 3 minutes. Training time reduced by 65%.



## Fleet Maintenance

Barcode scanners attached to Desktop for vehicle parts, streamlined the process increasing efficiency and improved truck deliveries by 60%. In addition, the warranty process saved \$1million per year.



## Order To Cash

Improved overall customer service and satisfaction by more than 60%.



## Warehouse Management

Physical inventory count process was reduce by 50%, errors reduced by 75%, employee productivity increased by 40%, easy to train employees and intuitive interface.



## Service Management

Change and Display transactions have the same benefits. Boost maintenance staff productivity by 100%, faster maintenance and fault repair system improves overall productivity. Over \$1million plus in annual savings.

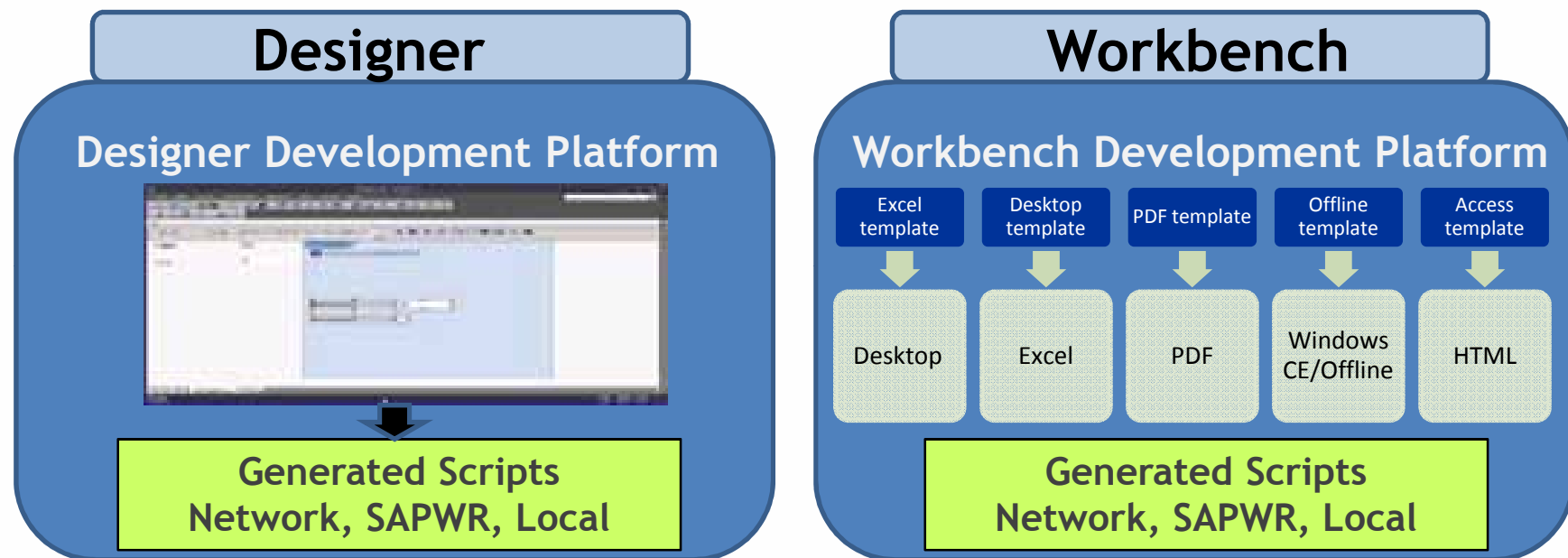


# Benefits with Liquid UI – SAP @ Your Fingertips

- Native speed of SAP GUI (browser/web server is optional)
- Fully secure, not at mercy of browser
- No kernel upgrade
- No Odata, SMP, Gateway, etc
- Reduced training time
- Increase data integrity, reduce errors
- Increase customer satisfaction
- Increase efficiency
- 16 years of UX domain expertise
- Unified UI strategy for Desktop, Mobile devices and Web

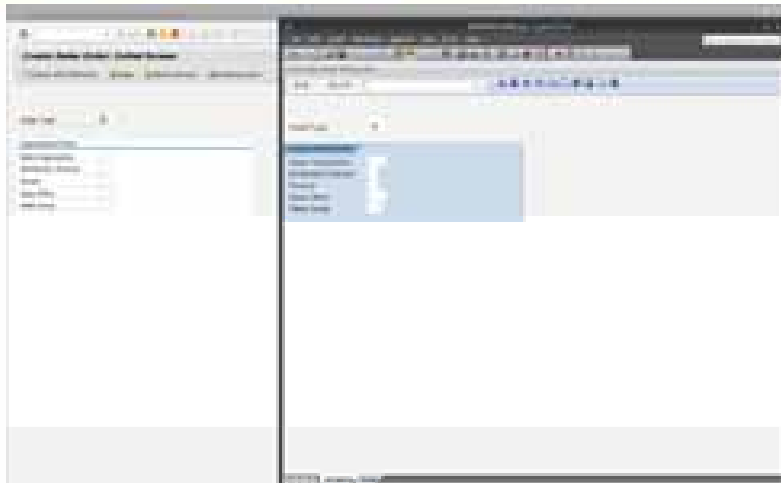


# The Synactive Developer Suite

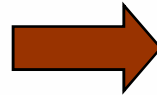


## One Suite - Two Components

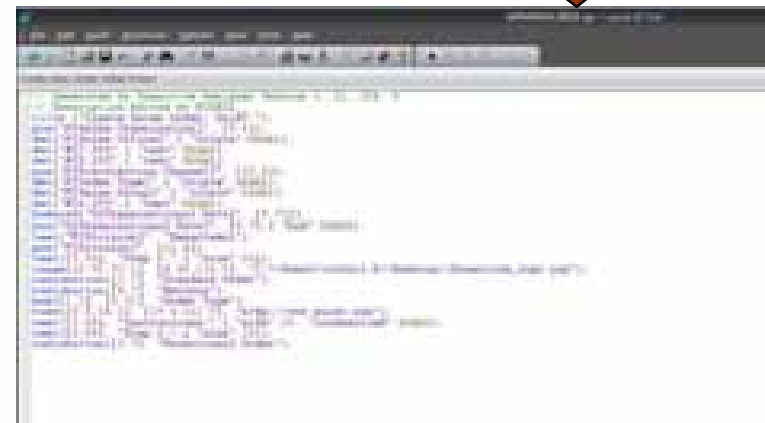
# Designer



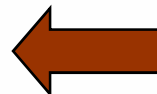
WYSIWYG



Modify



Scripts auto-generated



Deploy to any touch point

# Workbench



Record your SAP process



Select Layout on Workbench



Scripts auto generated (Edit if needed)



Deploy to any touch point



# What Does the 21 days Include?

The initial phase includes review and analysis your existing processes, interviewing functional process analysts or business users, and development of your business requirements.

Discovery  
and  
Requirements



Process  
and  
Interface  
Design



In this step, we collaborate with your team to discuss the learning from the discovery phase, and develop a design that meets your expectations, goals, and deliverables.

The development phase consists of simplifying and extending the newly created application to iOS, Android, mobile scanning devices, web/enterprise portals, Excel spreadsheets, Adobe PDF documents, or back to SAP GUI on the desktop. Unit testing is performed, and documentation is created.

Develop-  
ment and  
Testing



Installation  
and  
Deploy-  
ment



Synactive will assist your IT staff in the installation and deployment of the application. We will review and document the requirements, install the application, confirm system functionality, and recommend the best deployment method to sustain desired performance levels.



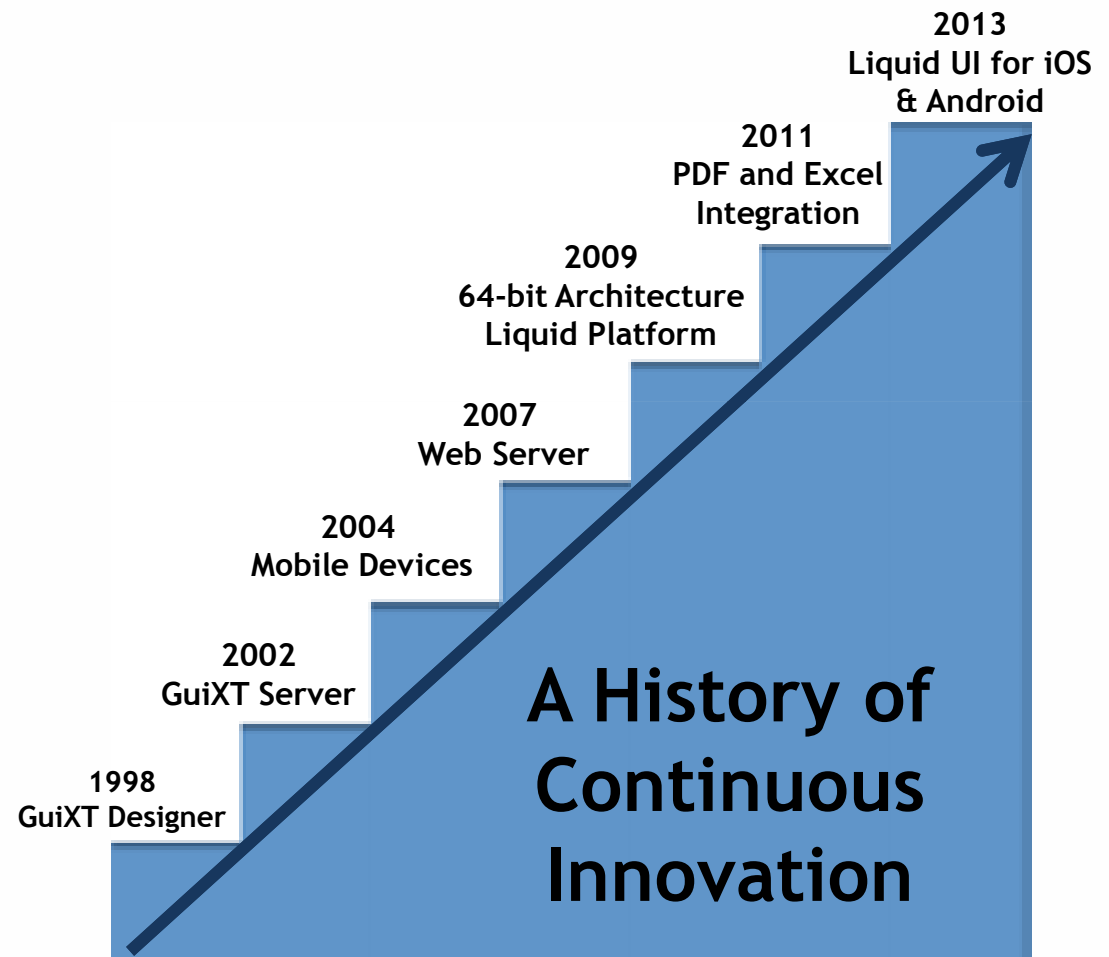




Who we are....

# Synactive @ a Glance

- **Founded by Gerd Rode and Thomas Ewe**
- **Embedded with SAP since 1998**
- **A Single Platform approach**
- **SAP Partner Certified with Net Weaver integration**
- **Thousands of users and 15 years of SAP UI domain knowledge**



# In Good Company...over 1000 customers



# Next Steps

- Watch intro to [LiquidUI 3-min YouTube video](#) and pass it around to your team and managers
- <http://www.guixt.com/screencams>
- Download the iOS and/or Android native client app demo version
- Email [rfi@guixt.com](mailto:rfi@guixt.com) for a 30-day license
- Engage Synactive to reach your goals
- Join our new [Liquid UI Community](#) and be a part of our team



# Upcoming ASUG Events



**Delivering a new SAP UX for PM Workers on Drilling Vessels (tentative)**

**Thurs Dec 11, 10AM PT**

**Featured Speaker: Byron Keiser, Senior Applications Analyst at Pacific Drilling**

# Thank You

