Today's Agenda

Logic Wonderware Great Plains
TECH EXPO & CONFERENCE

8:00	Welcome	Dave VanLandingham: ***President of Logic***
8:15	Driving Innovation at Wonderware	Jeff Tapia: ***Wonderware Solutions Architect***
9:15	Visit the Tech Expo	
9:45	Maximizing the value of your operational data	Elliott Middleton: ***Historian Product Manager***
10:45	Visit the Tech Expo	
11:15	More Accessible Data…for the Millennial and the Sceptic	Elliott Middleton: ***Historian Product Manager***
12:15	LUNCH	
1:00	Wonderware InStudio - Development Online	David Anderson: ***Logic Technical Services***
1:30	Managing your 2017 software - new licensing	David Anderson: ***Logic Technical Services***
2:00 - 3:00	Visit the Tech Expo	

Dave VanLandingham

The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company.
The Schneider Electric and Life Is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.

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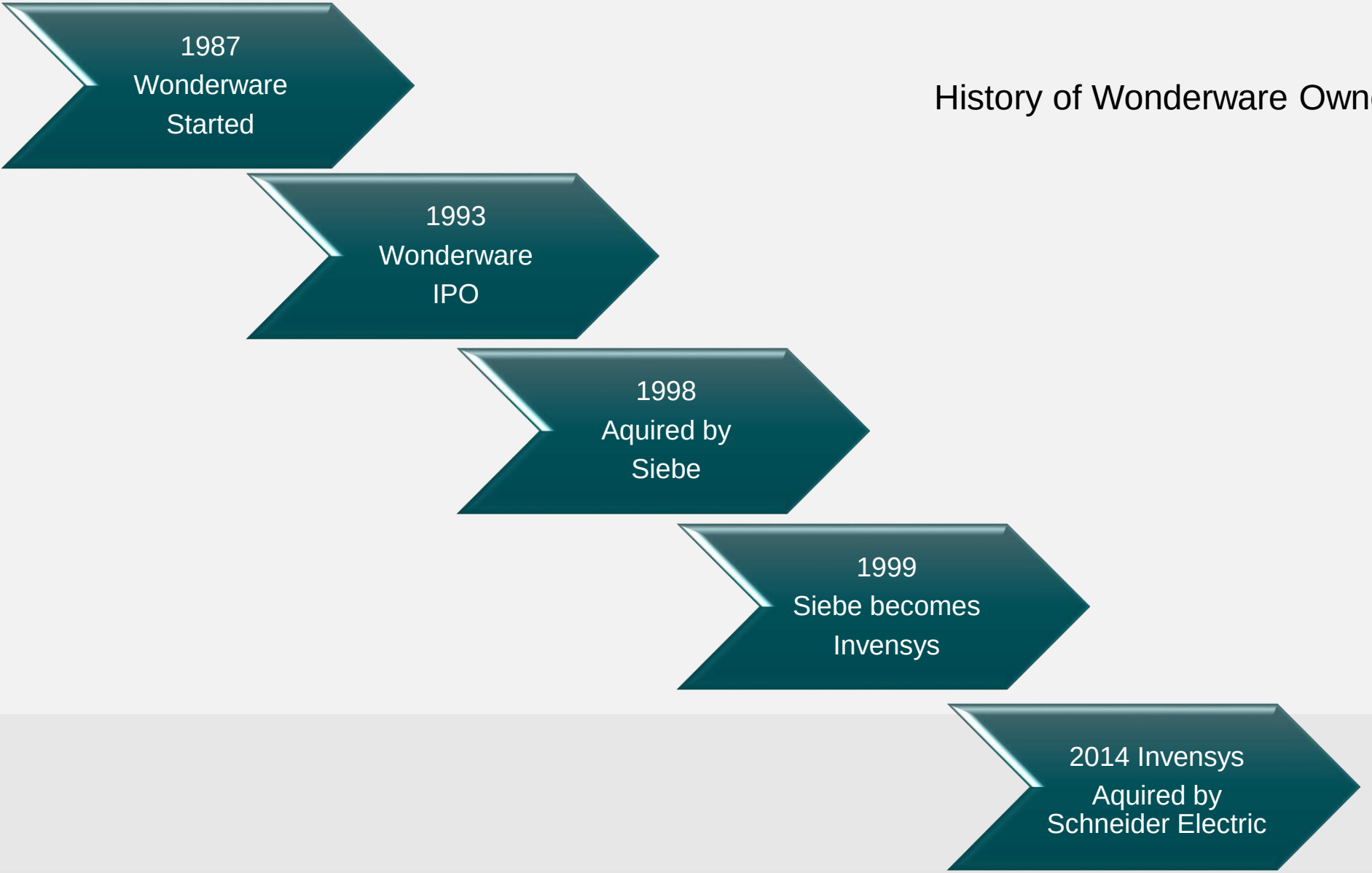
Life Is On Schneider Electric

History of Wonderware Ownership



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AVEVA

Solutions Your Industry Resources Services & Support

A GLOBAL LEADER IN ENGINEERING AND INDUSTRIAL SOFTWARE IS BORN

AVEVA completes combination with Schneider Electric's industrial software business.

Discover More >

Take Control

Every step of an asset's life cycle is an opportunity to work faster, act

4000+

Successful customers. You're in good

5x

Faster project start-up and implementation.

50%

Shorter project execution.

DISTINCTIVE CULTURE

The power of our talented employees and industry experts will take Engineering and Industrial Software Solutions to the next level

4,400+ employees

80+ locations

40+ countries

Wonderware Today - Lead in HMI and Supervisory Control

40%
Market Share

Broadest Installed Base

30 Years of Innovation

Proven Industry Leader

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AVEVA™

HMI/Supervisory Portfolio Overview

Market Segmentation by Product

Web-Ready InduSoft Realize Your Potential — AN INVENSYS COMPANY.

Wonderware InTouch, Machine Edition

Wonderware InTouch

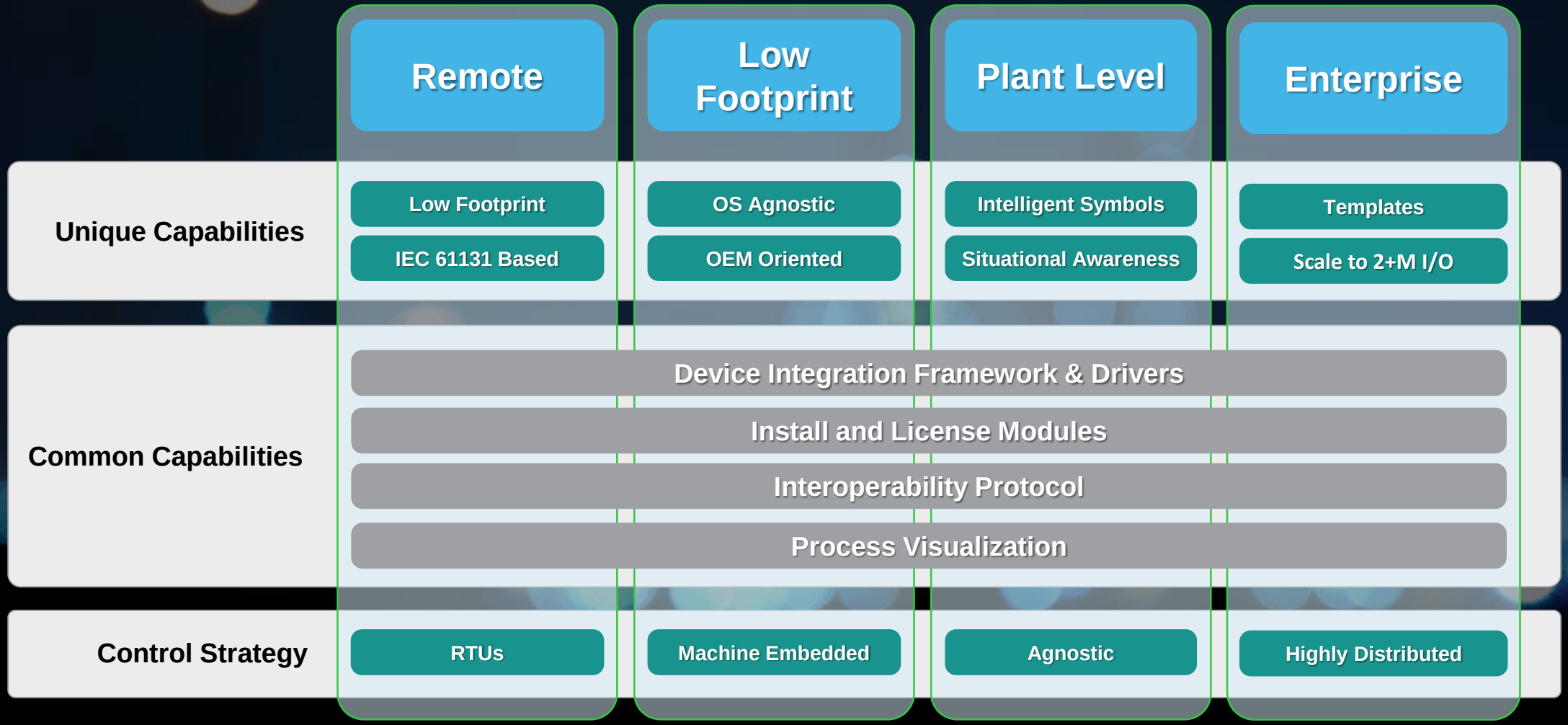
Wonderware System Platform

Common Market Needs

- Device Connectivity
- Process Visualization
- Alarming
- Supervisory Control
- Data Storage
- Historical Analysis

Wonderware by Schneider Electric

Operations Control: Shared Development for Portfolio Acceleration



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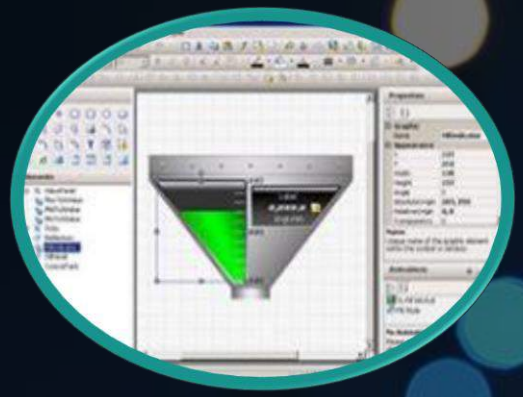
Strategy: Common Graphic Standard Across Offers

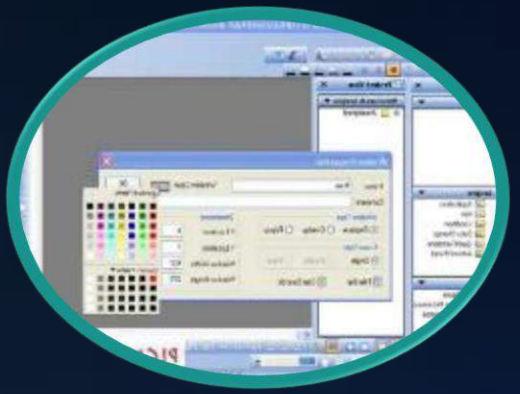


Engineering Tools

Operations Management Interface

Native Web

Human Machine Interface



Apps

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AVEVA™

January 2, 2018

InTouch Web Client - Expanding our HMI Web Access offering

Tweet Share Like 0 Share G+

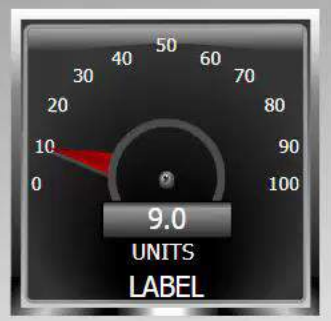
InTouch Web

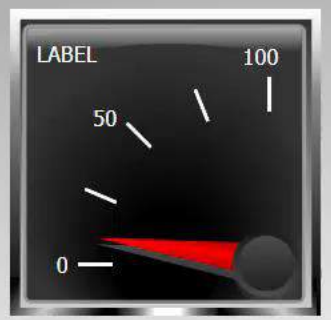
localhost/intouchweb

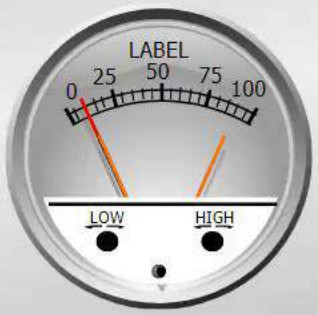
DojoTest: Meters

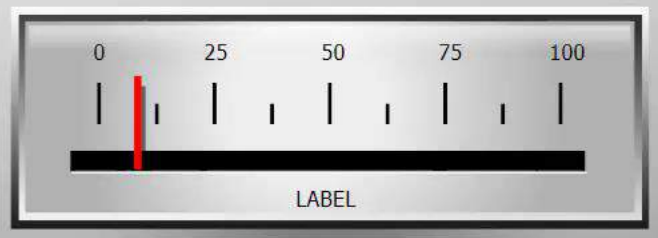
Meters

A sampling of the meters provided in the built in graphics toolbox.









11:19 AM
1/23/2018

Strategic Technology: HTML5 Process Visualization

On Premise Applications

Cloud Hosted Applications

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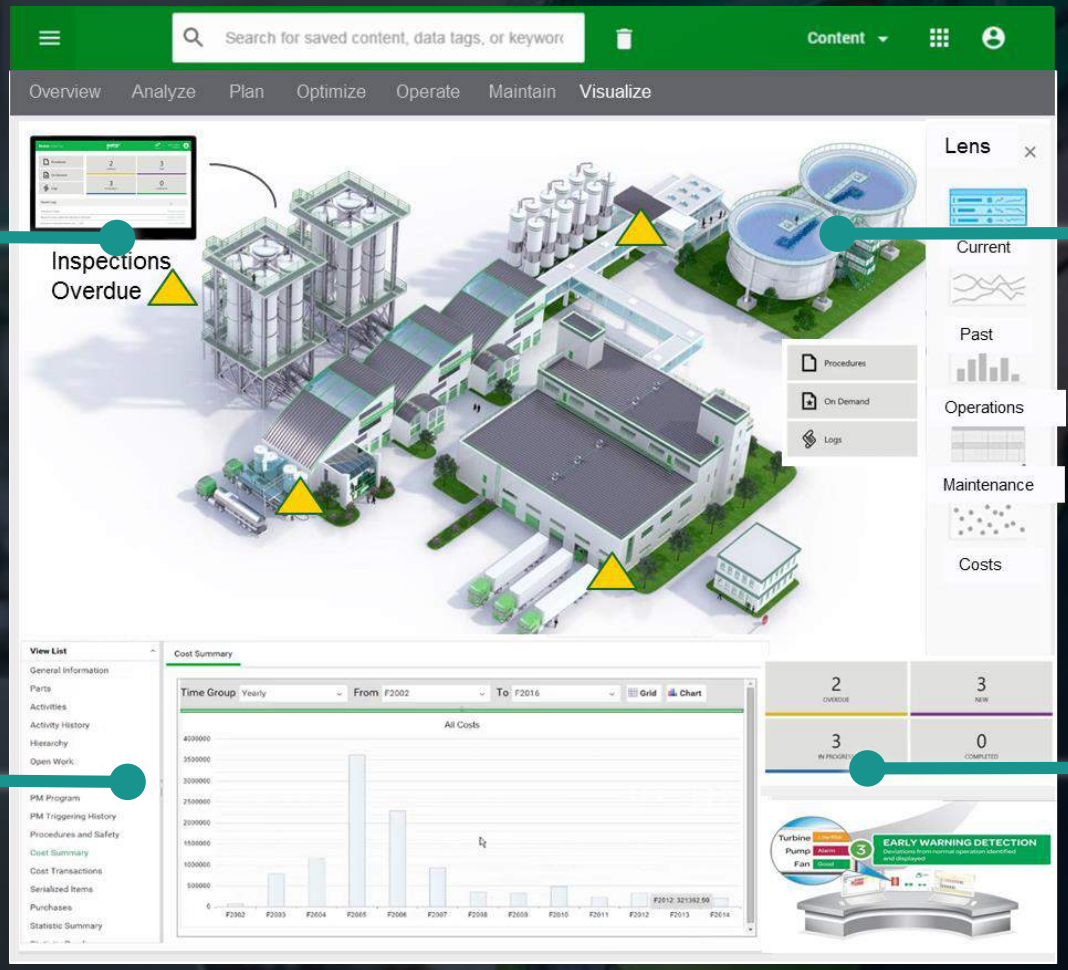
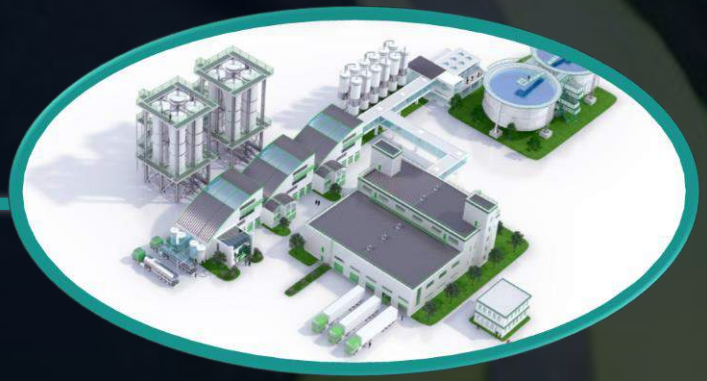
Roadmap – Hybrid Cloud Solutions…..many devices





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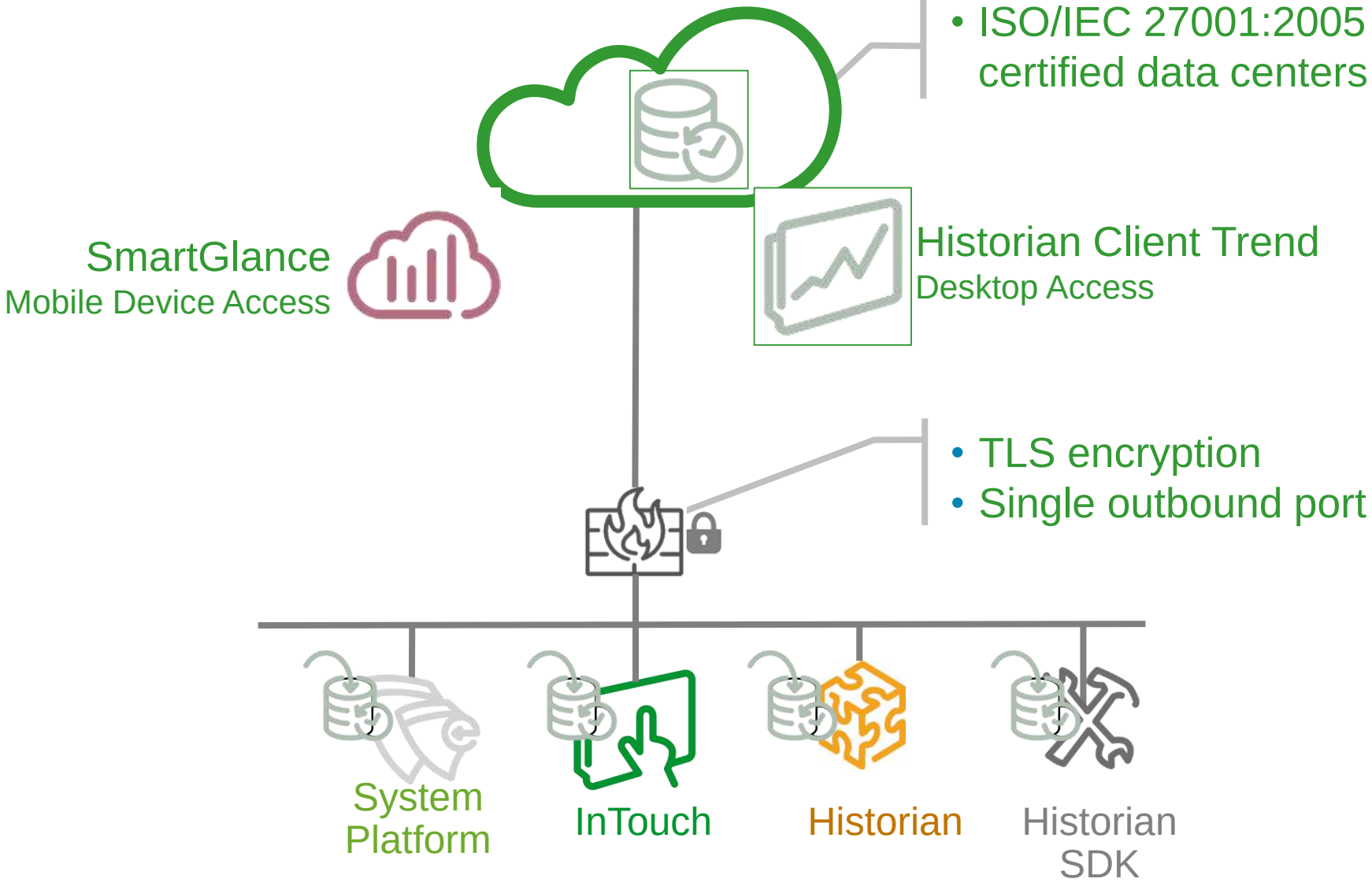
Wonderware Online

- No capital expense
- Trivial to get started
- ISO/IEC 27001:2005 certified data centers

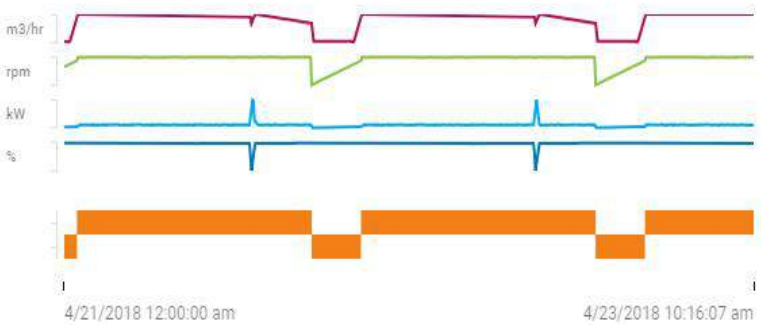


- TLS encryption
- Single outbound port

Wonderware by Schneider Electric

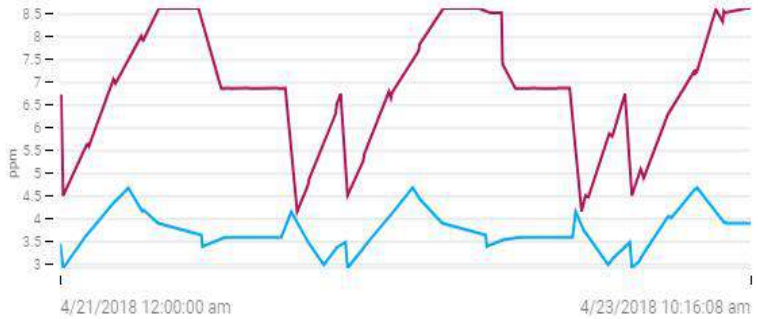
Life Is On Wonderware by Schneider Electric
Wonderware Online - WonderDemo
Ready to get started with your own data ?
SIGN UP

Mountain Clearwell Cycles



- Cw outlet flow (m3/hr)
- Cw outlet speed (rpm)
- Cw outlet pump power (kW)
- Cw outlet valve position (%)
- Cw outlet state (Running/Stopped)

Mountain Clearwell Quality

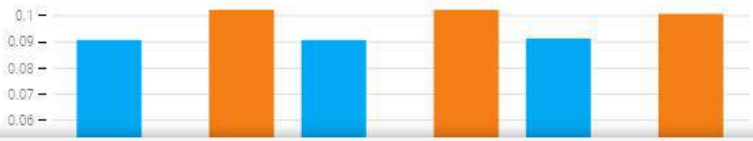


- Mountain BOD (ppm)
- Mountain COD (ppm)

Mountain Current Flows

Filter flow	0.113
Cw inlet flow	0.091
Cw outlet flow	0.09
Res inlet flow	-0
Res outlet flow	0.002
RO inlet flow	0.112
RO outlet flow	0.093
Well inlet flow	0.134
Well outlet flow	0.101

Mountain Storage Inflows



Mountain Pump Status

Cw outlet state	Running
Res pump positiion	Running
Well pump state	Running

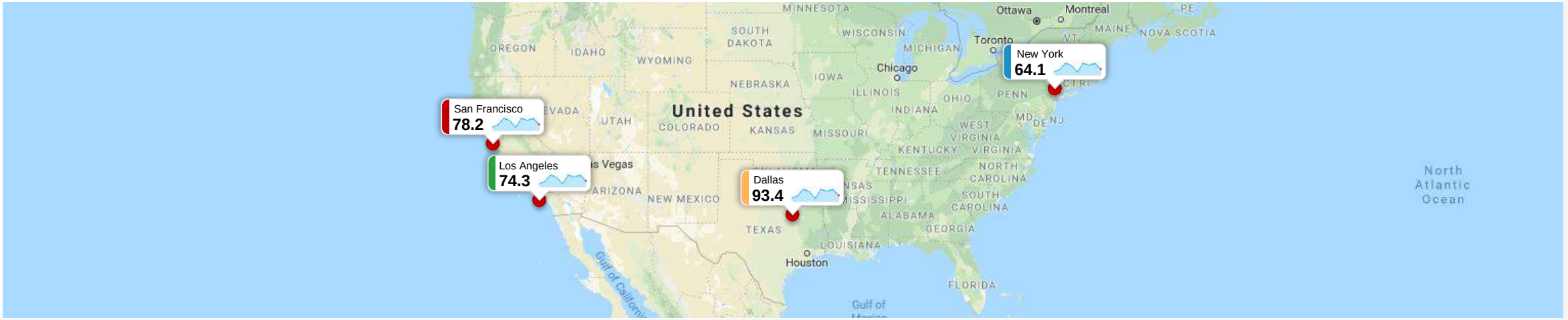
Mountain Storage Outflows

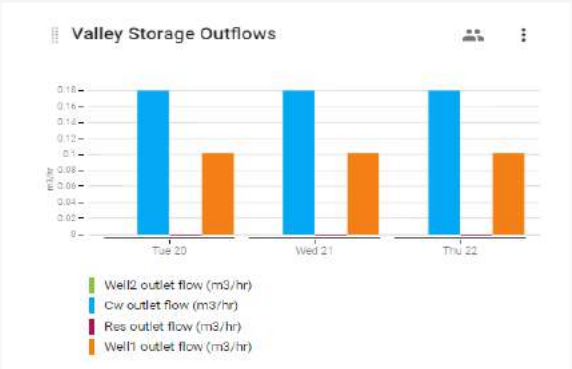
Keywords: Mountain

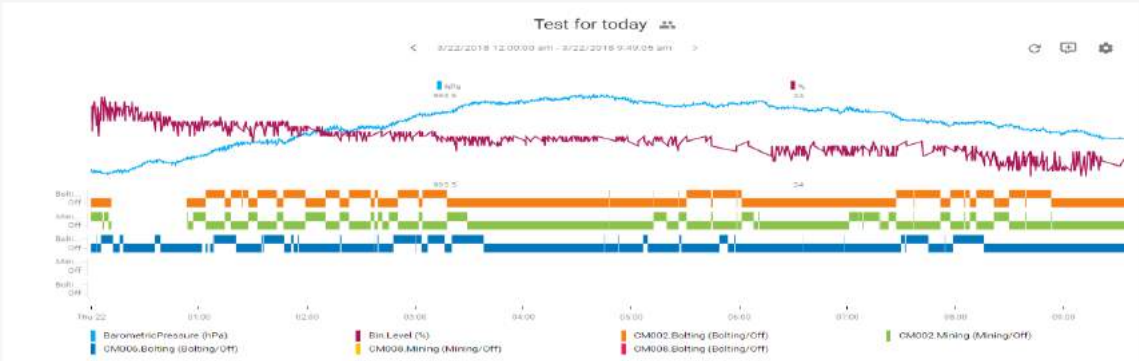
Adding Graphics to Dashboards

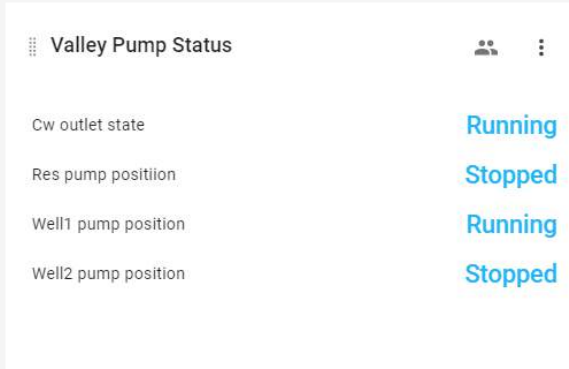
EDIT

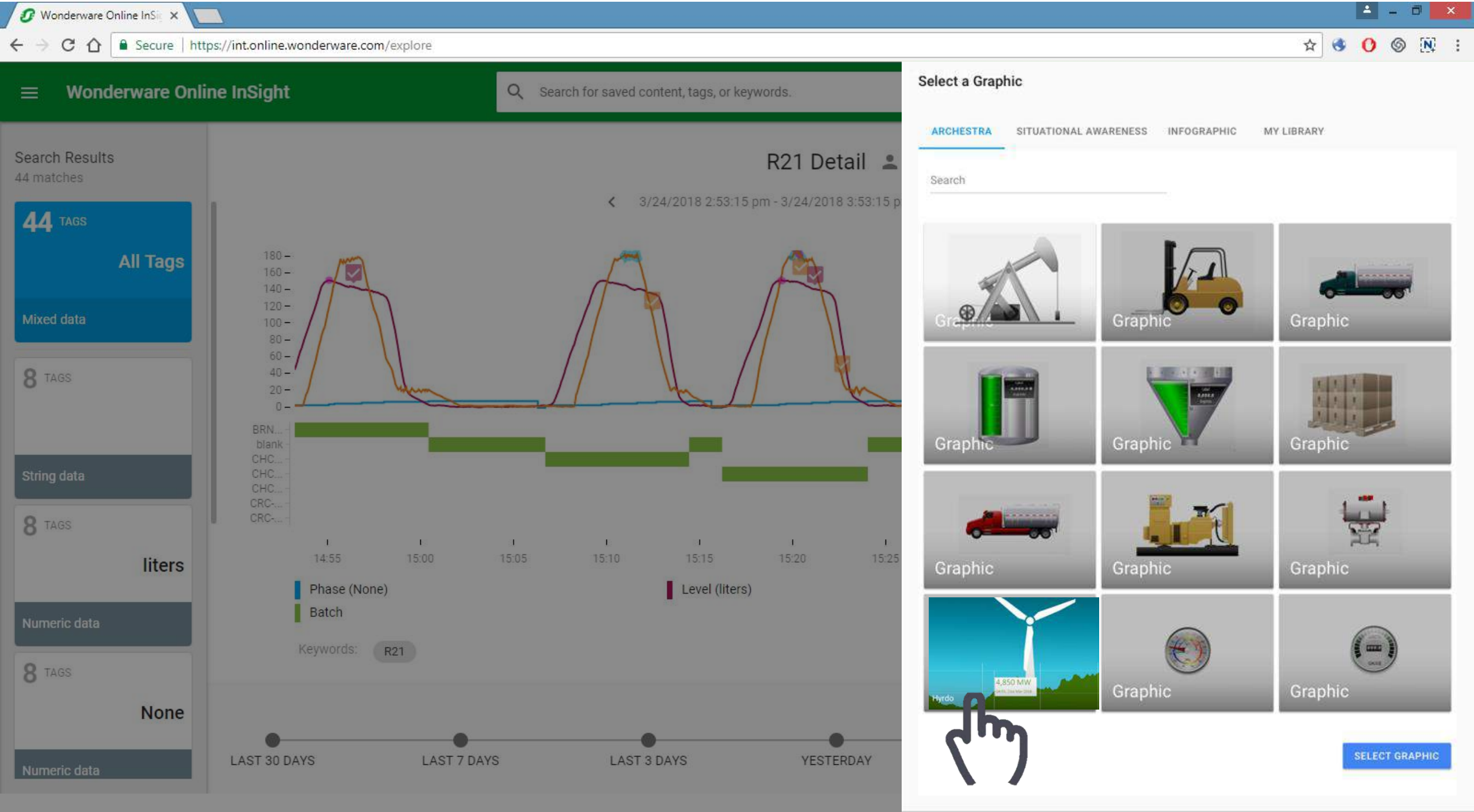
City Temps

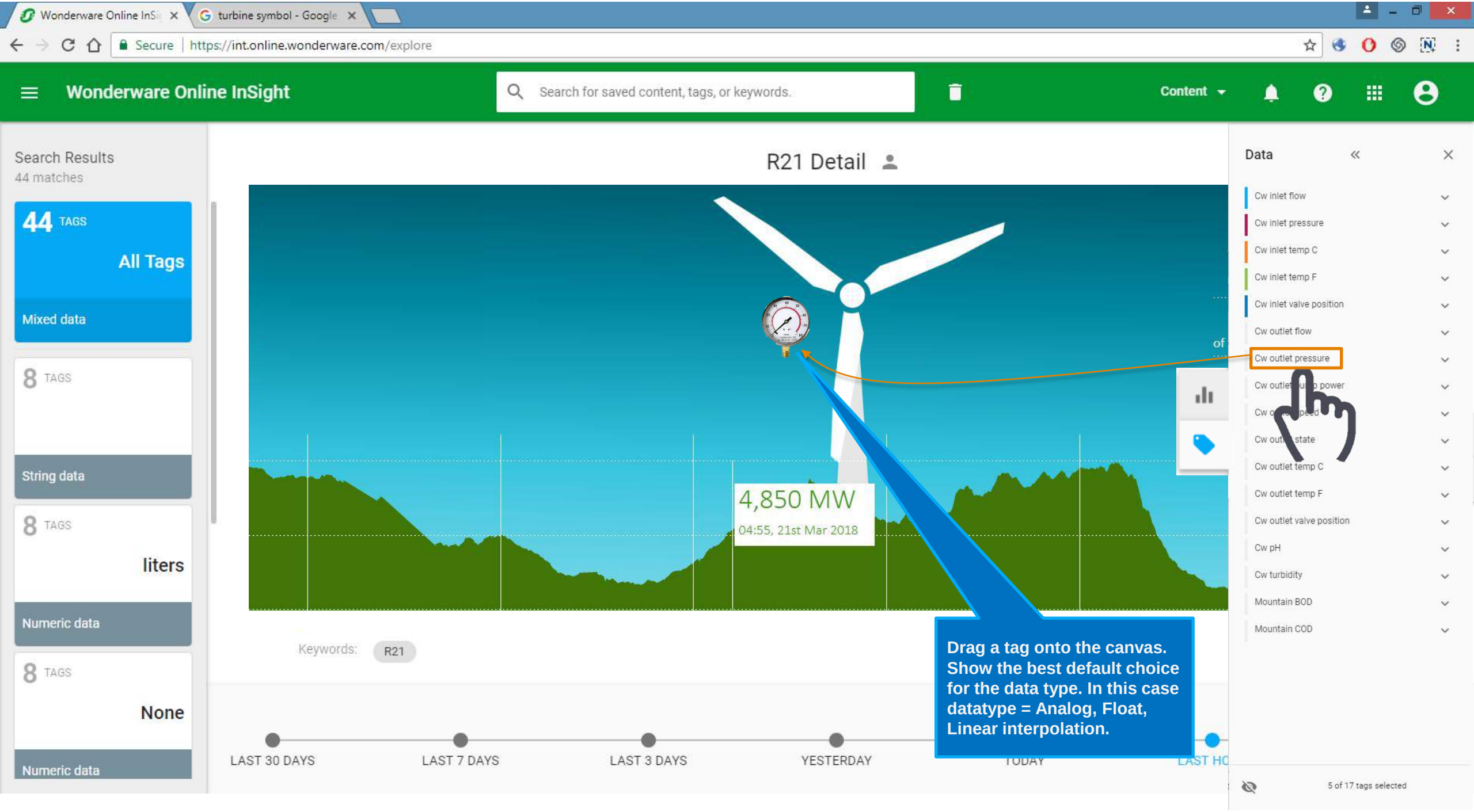




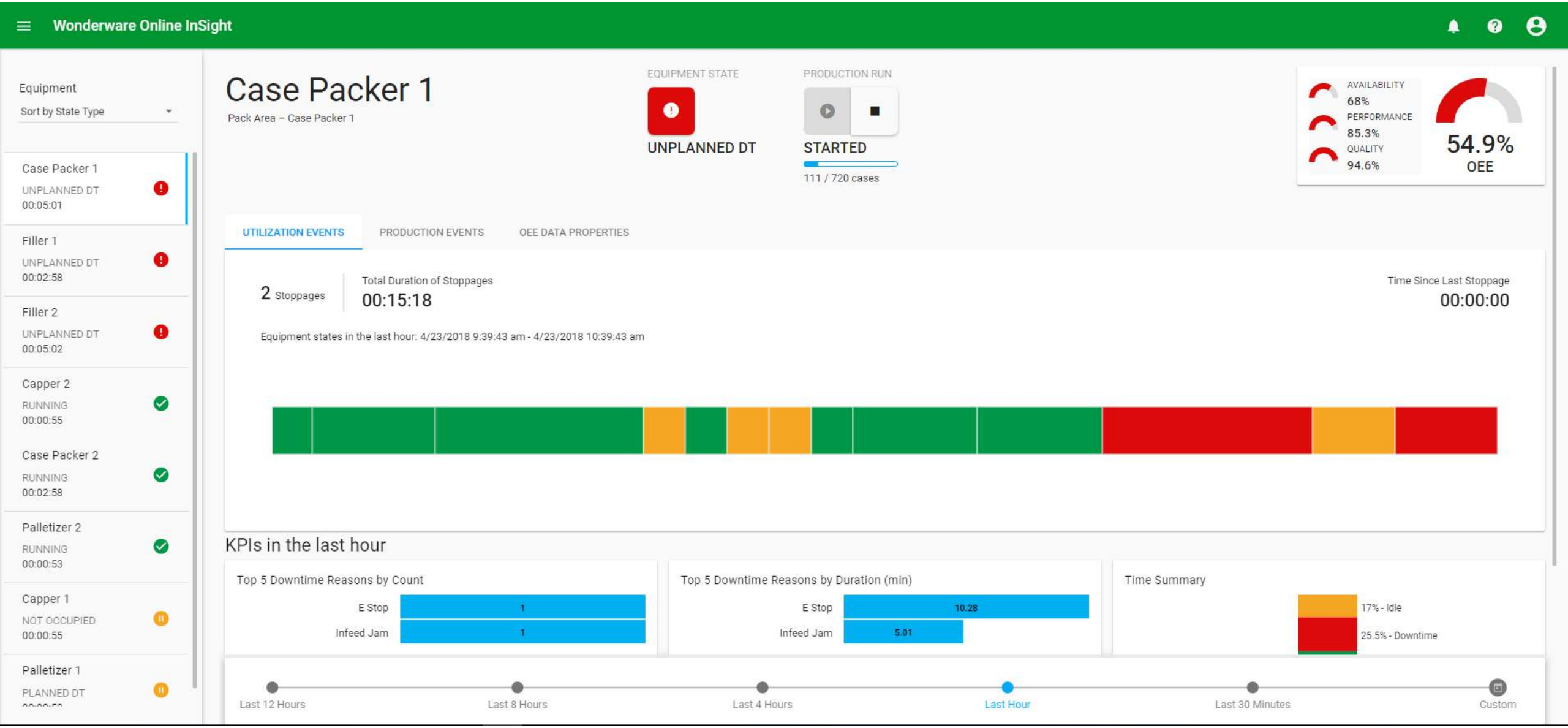




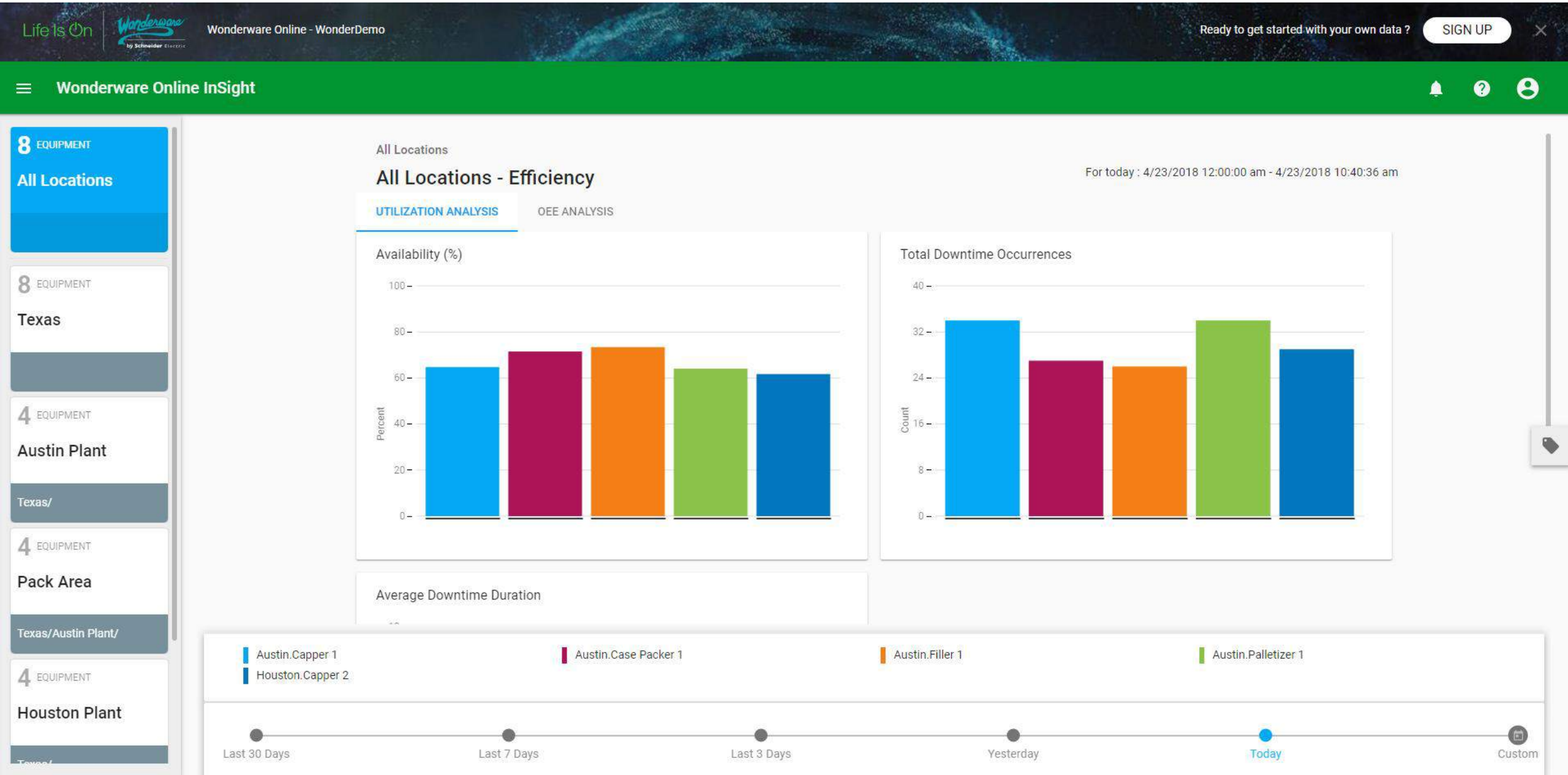

Wonderware Online InSi
Secure
https://int.online.wonderware.com/explore
Wonderware Online InSight
Search for saved content, tags, or keywords.
Search Results
44 matches
44 TAGS
All Tags
Mixed data
8 TAGS
String data
8 TAGS
liters
Numeric data
8 TAGS
None
Numeric data
R21 Detail
3/24/2018 2:53:15 pm - 3/24/2018 3:53:15 p
180
160
140
120
100
80
60
40
20
0
BRN...
blank
CHC...
CHC...
CHC...
CRC-...
CRC-...
14:55
15:00
15:05
15:10
15:15
15:20
15:25
Phase (None)
Level (liters)
Batch
Keywords:
R21
LAST 30 DAYS
LAST 7 DAYS
LAST 3 DAYS
YESTERDAY
Select a Graphic
ARCHESTRA
SITUATIONAL AWARENESS
INFOGRAPHIC
MY LIBRARY
Search
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
Graphic
4,850 MW
Hyrdo
SELECT GRAPHIC


Wonderware Online InSi
turbine symbol - Google
Secure
https://int.online.wonderware.com/explore
Wonderware Online InSight
Search for saved content, tags, or keywords.
Content
Search Results
44 matches
44 TAGS
All Tags
Mixed data
8 TAGS
String data
8 TAGS
liters
Numeric data
8 TAGS
None
Numeric data
R21 Detail
4,850 MW
04:55, 21st Mar 2018
Keywords:
R21
LAST 30 DAYS
LAST 7 DAYS
LAST 3 DAYS
YESTERDAY
Data
Cw inlet flow
Cw inlet pressure
Cw inlet temp C
Cw inlet temp F
Cw inlet valve position
Cw outlet flow
Cw outlet pressure
Cw outlet temp C
Cw outlet temp F
Cw outlet valve position
Cw pH
Cw turbidity
Mountain BOD
Mountain COD
Drag a tag onto the canvas. Show the best default choice for the data type. In this case datatype = Analog, Float, Linear interpolation.
5 of 17 tags selected

Wonderware Online Insight – New Downtime Tracking

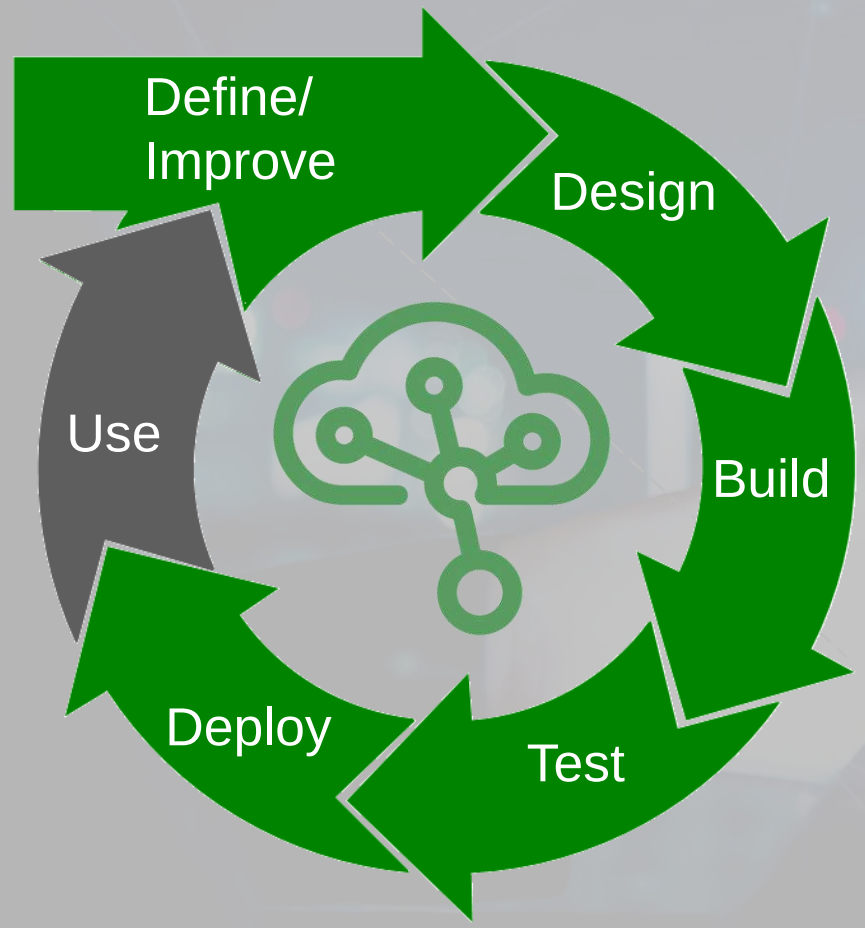


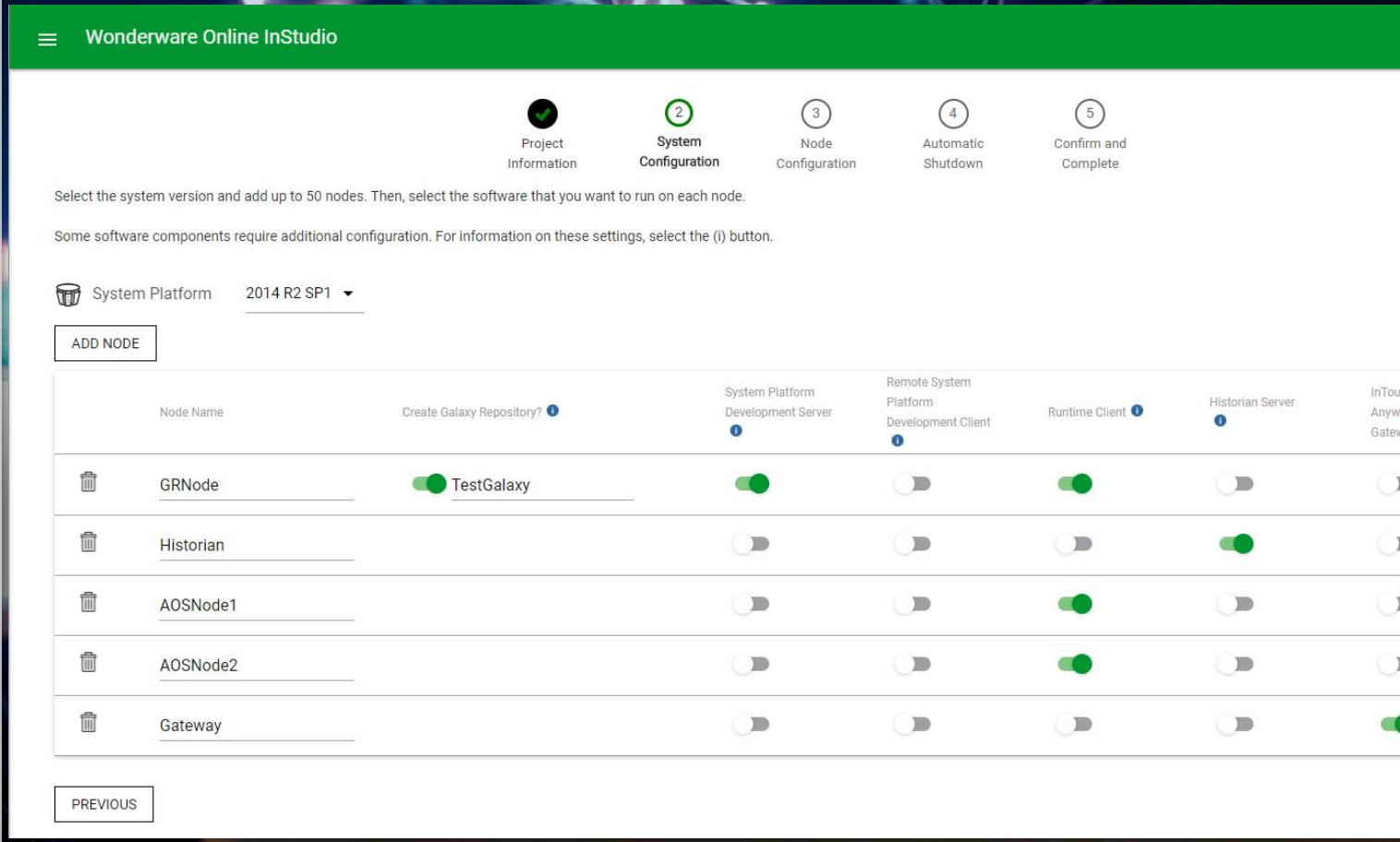
Wonderware Online Insight – New OEE functionality



Development Studio

1:00 Seminar





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AVEVA™

Advancing the Boundaries of Automation

Business Imperatives

Industry Challenges

Technology Trends

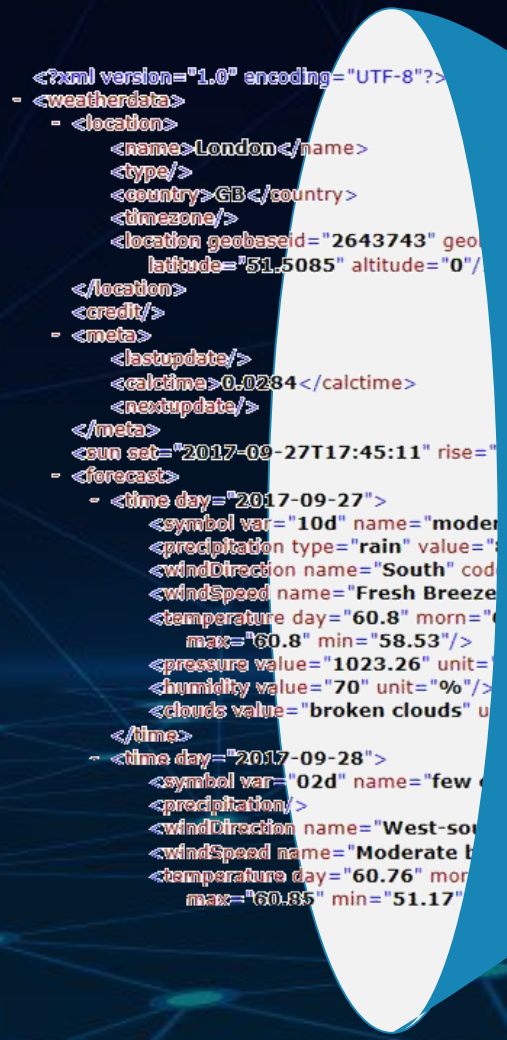
Innovative Products and Features

Expanding Scope – IO Servers to OI Server

Operations Interface (OI) Servers

- Controllers
- IoT Devices
- Software
- Cloud

Web Services



OI Servers

Parameters

REST & SOAP

- Weather.CityName
- Weather.Day1.Temperature
- Weather.Day1.Humidity
- Weather.Day1.WindSpeed
- Weather.Day…

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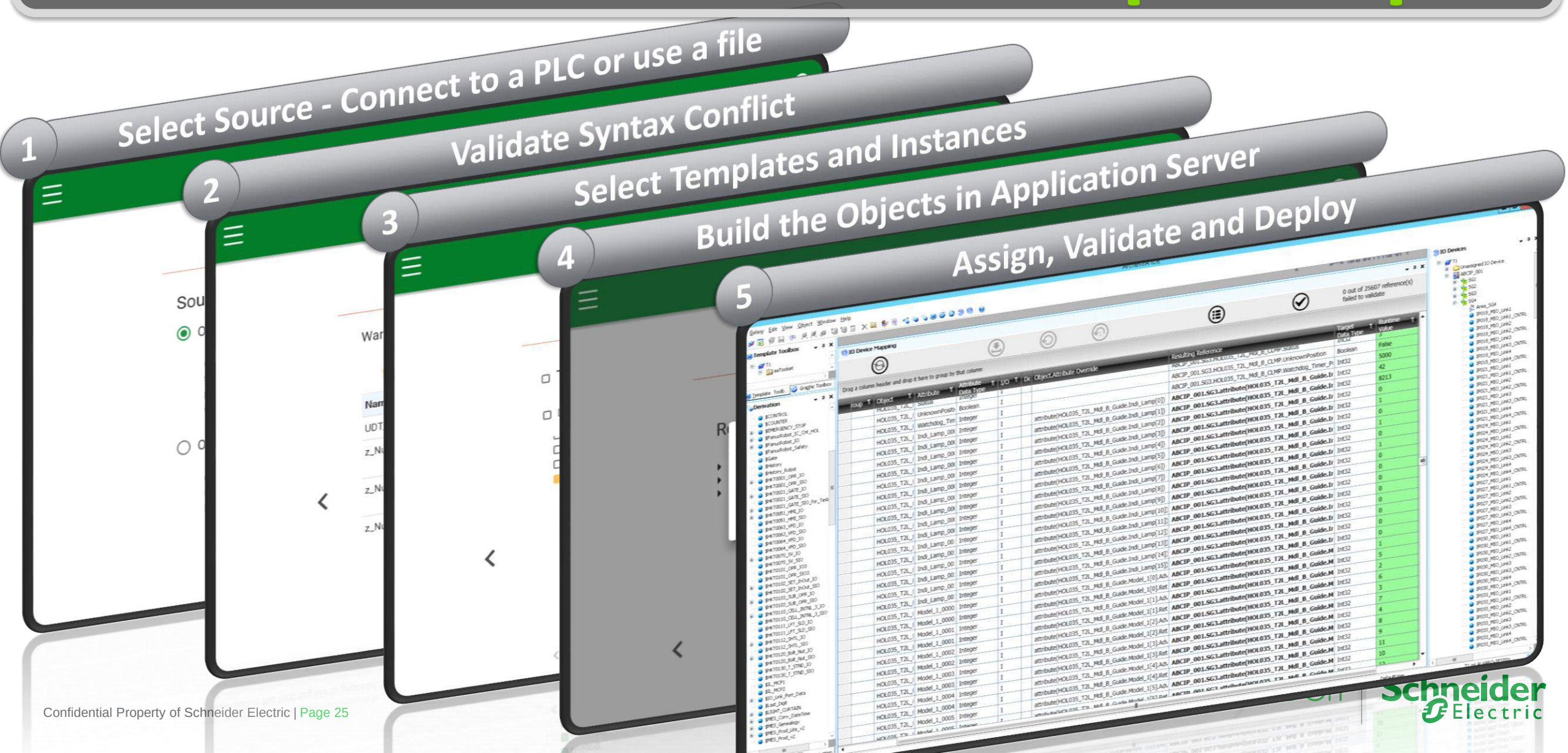
OI Servers – Professional Edition….take advantage of hardware

Allen-Bradley
Automation Direct
Bosch
Beckhoff
Eaton
GE
InTouch Mach. Ed.
MQTT
Mitsubishi
OPC-UA
Omron
Opto22
Modbus / Modicon
Siemens
SNMP
TI
Wago
Wonderware

On a Single Node	Standard	Professional
Server Types	Supervisory	Supervisory
Drivers Supported	All Supervisory	All Supervisory
I/O per Instance	Device Specific	Device Specific
Network Redundancy	✓	✓
Read-Only Option	✓	✓
Secured Connectivity	✓	✓
Hardware Consolidation		✓
Reduce Architecture Costs		✓
Single Node Scalability		✓
Load Distribution		✓
Increased Throughput		✓
Maximize Uptime		✓
Single Protocol Multi-Version		✓
Auto-Build		✓

Auto-Build… A few simple steps

1. Select Source - Connect to a PLC or use a file
2. Validate Syntax Conflict
3. Select Templates and Instances
4. Build the Objects in Application Server
5. Assign, Validate and Deploy



SIDirect OI Server G-2.2

- **Updated Symbolic Support**
  - S7-1200 & S7-1500 Controllers
  - Connectivity to password protected controllers
- **Supports for flexible "<*naming*>" syntax**
  - Space
  - Period
- **Support for Cyclic and Block Services for Legacy Connections**
- **Auto-Build Support!!!**
  - **For S7-1200 & S7-1500 Symbolic Connections**

S7-1200

S7-1500

InTouch Machine Edition

- **Updated Symbolic Support**
  - S7-1200 & S7-1500 Controllers

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InTouch HMI – Machine Edition

InTouch Machine Edition

Edge Platform

Portable

Windows, Windows Embedded, Linux, VxWorks

Scalable

Small footprint + high tag support

Mobile

HTML5 – iPads, iPhones, Android, PC

Interoperable

Native integration with WSP and Insight, OPC UA Client/Server, Hundreds of native drivers for proprietary and standard protocols, such as MQTT

Roadmap

Major release | Major Update | Patches and Fixes

Wonderware System Platform

Wonderware InTouch

2014				2015			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2014	2014 P01		2014 R2		2014 R2 P01		2014 R2 P02

2016				2017				2018			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
2014 R2 SP1				2017	2014 R2 SP1 P02	2017 U1		2017 U2		2017 R2	

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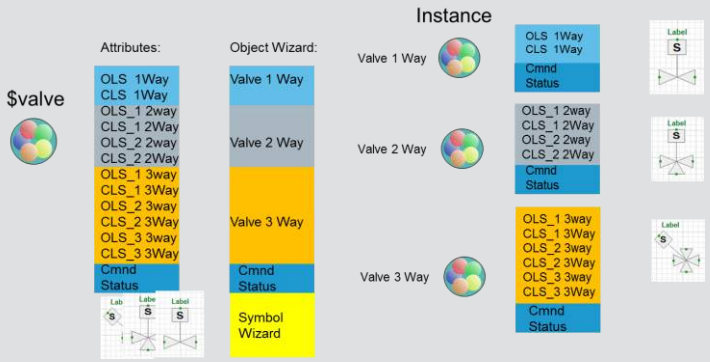
Wonderware System Platform 2017

SIMPLER
More approachable than ever

Out of the Box Content & Design

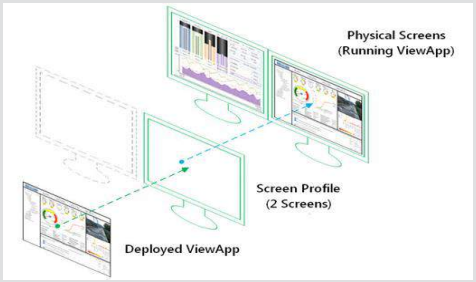
- Symbol Wizards
- Object Wizards
- Style Library
- Application Framework

Simplified Assembly Experience

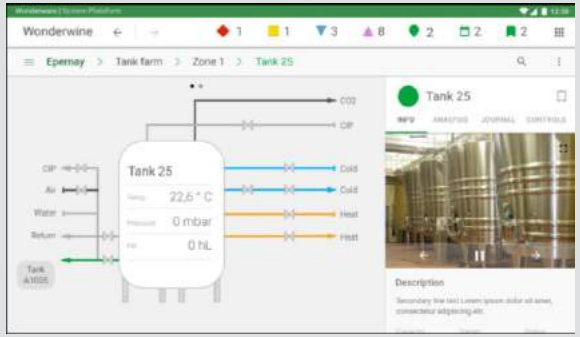


MORE FLEXIBLE
Experience tailored to any device

Data Driven Generation

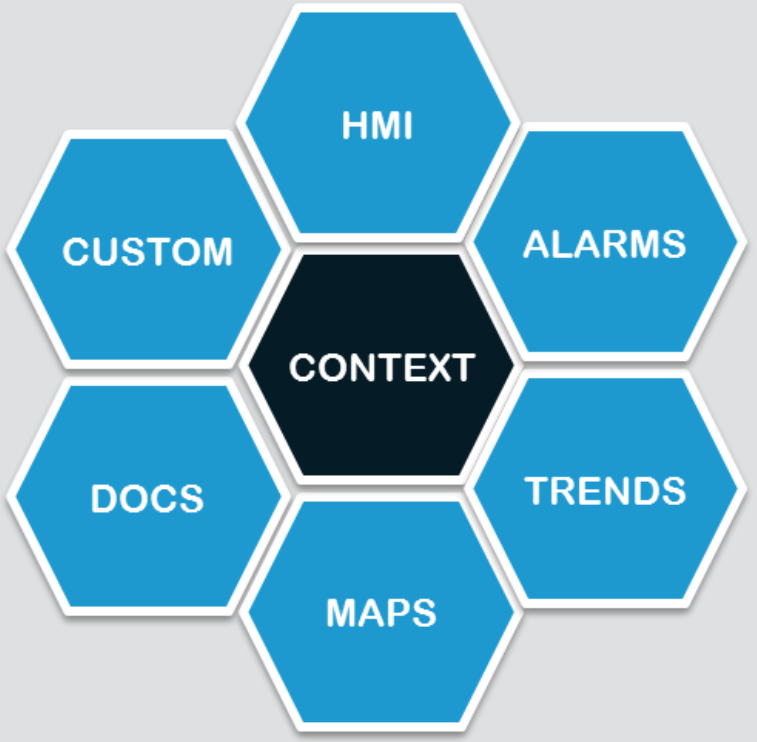


Contemporary User Interface



EXPANDED SCOPE
Access to applications in context

IT/OT Convergence Platform



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Wonderware by Schneider Electric

The Next Generation

System Platform 2017

ADNOC Onshore
Upstream
Data shown are for demonstration only

Wonderware Operations Management Interface
What does it do? What problems does it solve?

- How does OMI allow us to leverage your existing graphics, application server model, and apps

…for a better, CONTEXT-AWARE user interface with navigation, support of different screens, arrangements and layouts

All without scripting, button programming, …

Information and Operations Converged

No elegant solution in the market…until now.

EMI	EAM	HMI	MES
ERP	Mapping/GIS	Historian	Downtime
CRM	Schematics	Alarm Mgmt.	PLC
SOPs	Chat	Vision Systems	Workflow
Reports	Manuals	Logbook	Energy Mgmt.
E-mail	3D Modeling	OEE	Quality
Inventory	Analysis	Simulation	Trends
IM/VOIP	MORE…	Batch	MORE…

IT OT

AVEVA

Operations Management Interface – Responsive Design

Never re-engineering HMI Graphics. Build Once, Deploy Anywhere.

- Context-driven Apps provide greater situational awareness with integrated apps/analytics/KPIs
- Ease of use – eliminates the need for UI scripting
- Mash-up of Applications that are dynamically auto-generated
- Every screen optimized with the same content
- Ultra High Performance – 4K Support; 10X faster the previous technology

More importantly, none of the content changed for any of these examples

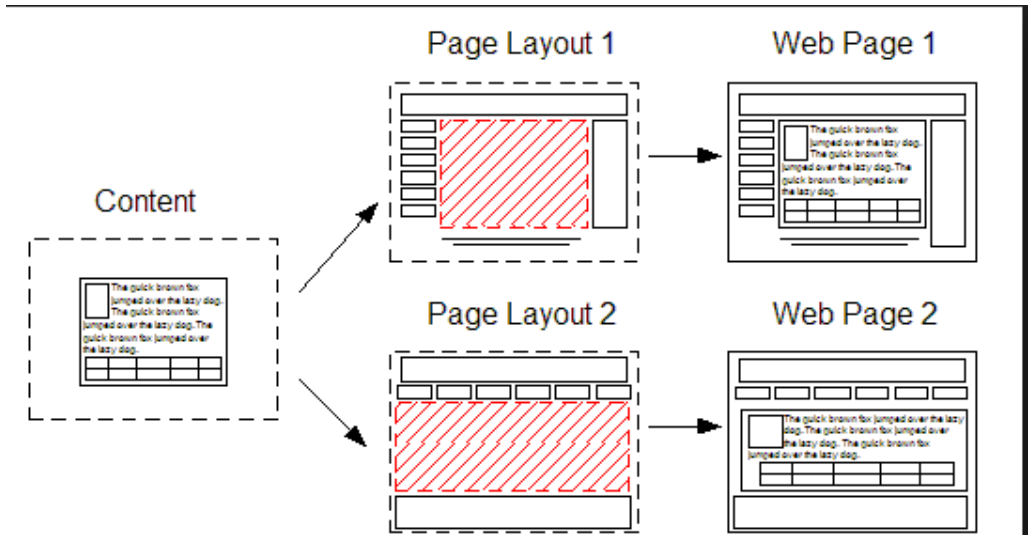
Visualization Runtime

What is an App?

- Point and Click addition of external applications into a fully immersive application (sometimes called a mash-up).
- Apps perform a specific function and as such do not need to be comprehensive but more targeted to a cause.
- Apps can consume and deliver context to other apps.
- Apps conform to the UI setting of the greater container (ViewApp).
- Apps can be acquired from a central repository.
- Apps may be themselves an application.
- Apps run under the permissions of the signed on user (SSO)
- An App resides in a Pane of a ViewApp
- An app may contain a ViewApp/Layout/Process Graphic

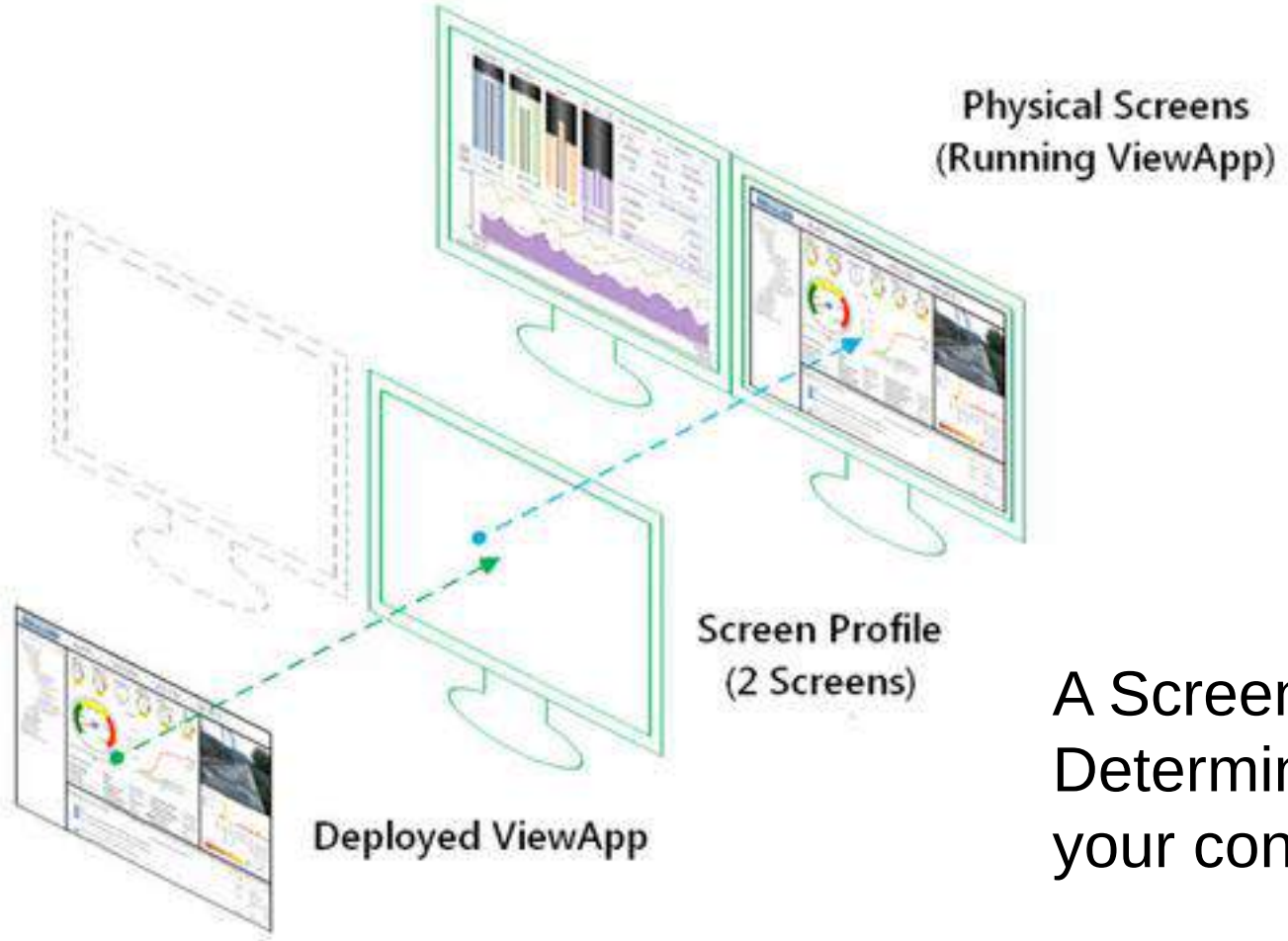
Visualization Configuration

Paradigm's used are exactly like web pages.



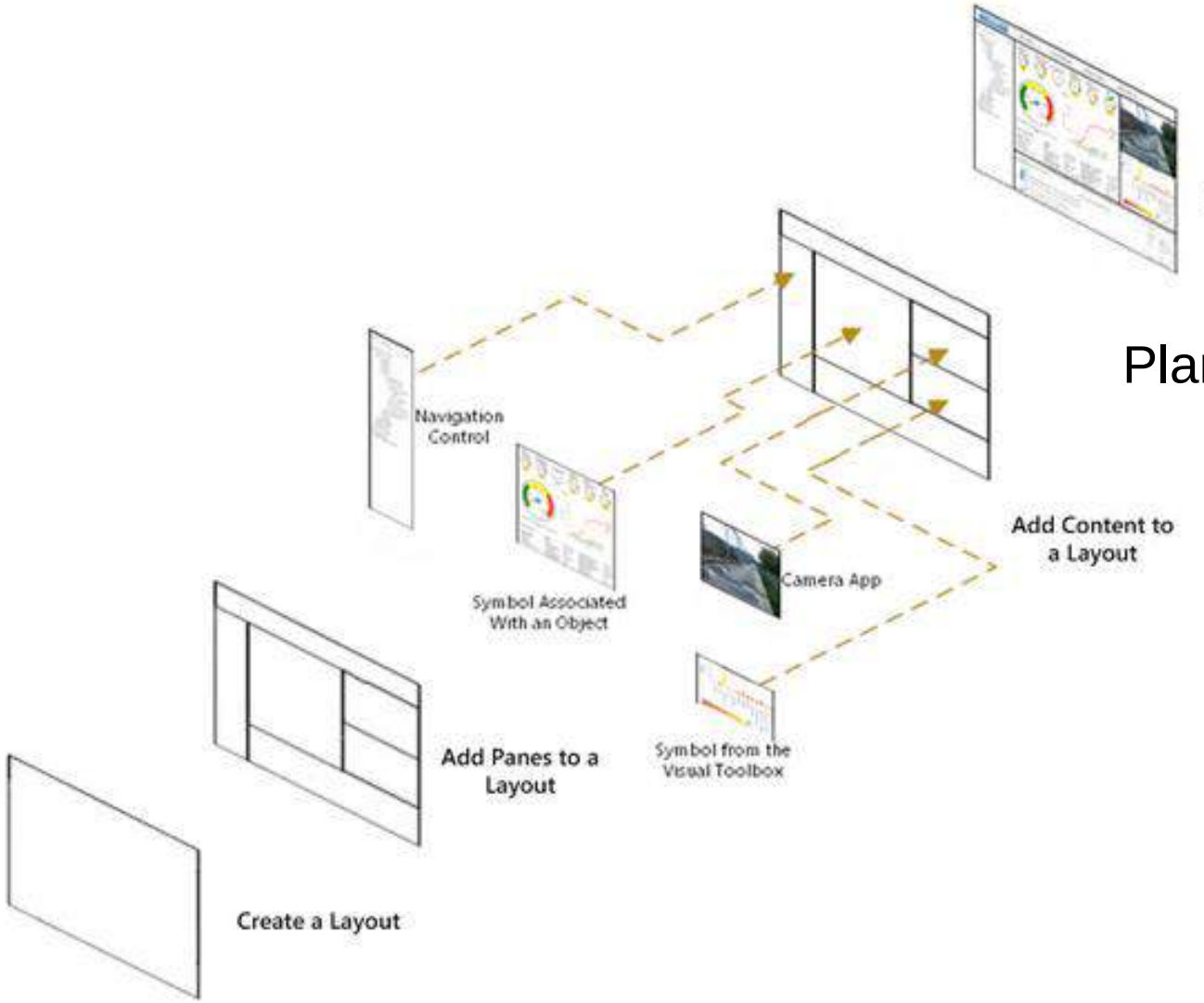
- Layouts with reusable content is a common concept in web development
- In addition to the desktop application Wonderware will also be releasing a web browsable version

Visualization Configuration
Screen Profile Editor



A Screen profile
Determines where you want to present your content on to.

Visualization Configuration
Layout Editor



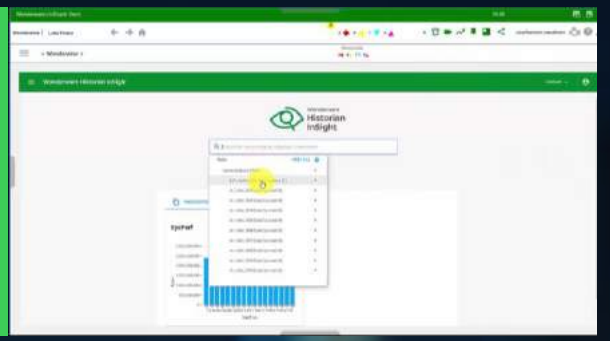
Plan how to Display trough a Layout

Content can be:
Symbols
Apps
Other layouts

Wonderware System Platform 2017 – Context Awareness

Access External Applications

+ Embedded Browser Control
+ Custom Content
+ Single Sign On

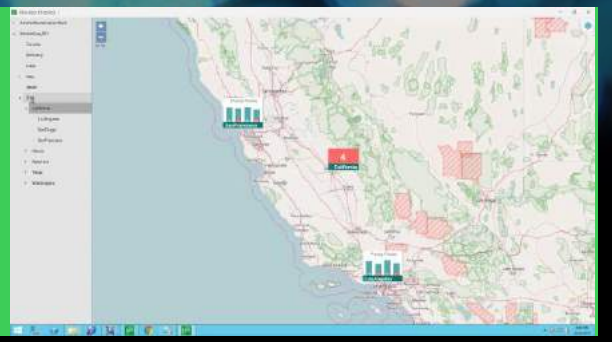


Leverage More Information

+ SCADA Playback
+ Works with existing process graphics
+ Zero engineering to leverage

New Custom Applications

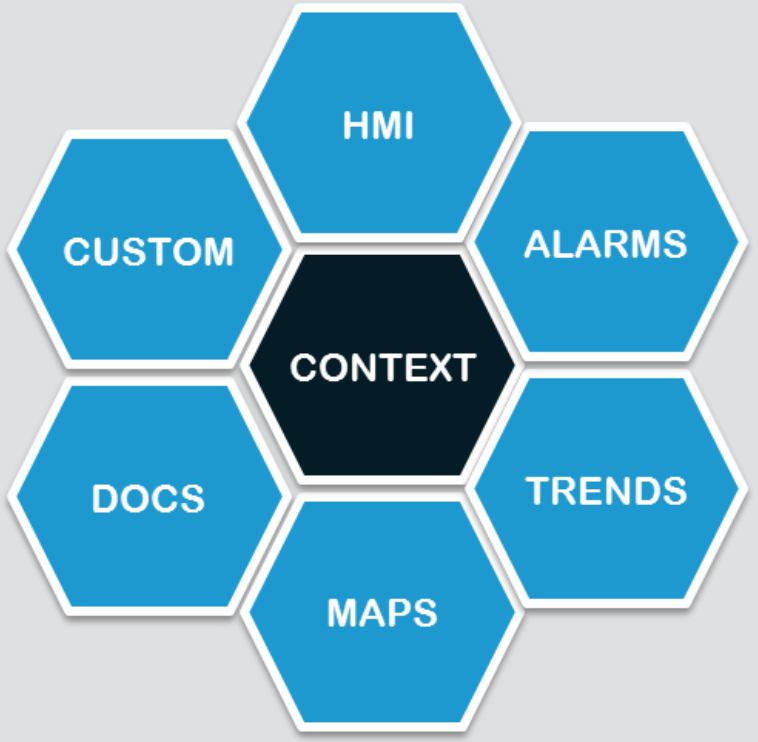
+ Interactive Mapping from any Tile Server
+ Using Process Graphics
+ Build with HTML5 technology



EXPANDED SCOPE

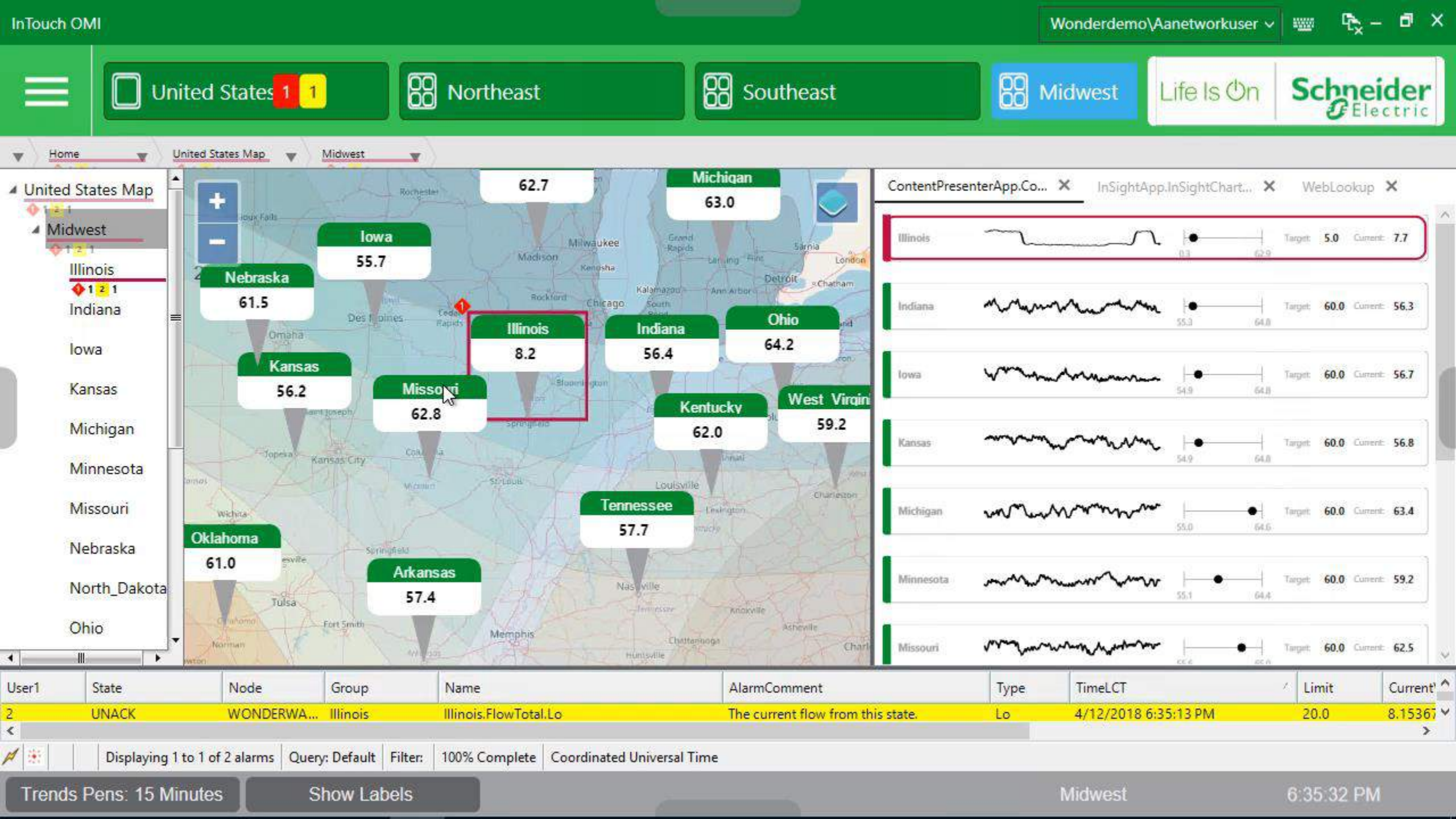
Access to applications in context

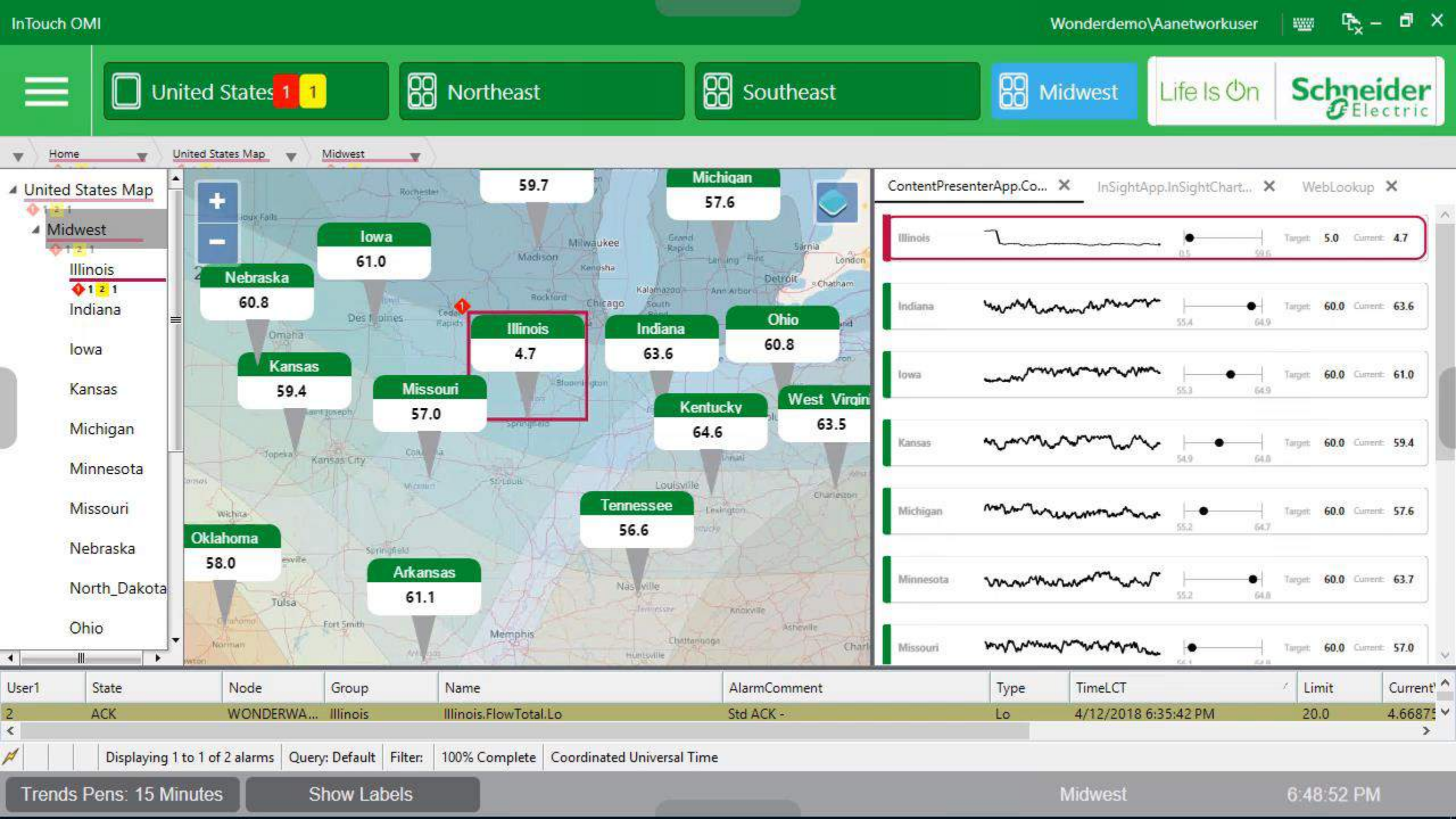
IT/OT Convergence Platform



AVEVA™

Recycle Bin
Google Chrome
Wonderware Application Manager


InTouch OMI
Wonderdemo\Aanetworkuser
United States 1 1
Northeast
Southeast
Midwest
Life Is On Schneider Electric
Home
United States Map
Midwest
United States Map
Midwest
Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North_Dakota
Ohio
62.7
Michigan
63.0
Iowa
55.7
Nebraska
61.5
Illinois
8.2
Indiana
56.4
Ohio
64.2
Kansas
56.2
Missouri
62.8
Kentucky
62.0
West Virgin
59.2
Tennessee
57.7
Oklahoma
61.0
Arkansas
57.4
ContentPresenterApp.Co...
InSightApp.InSightChart...
WebLookup
Illinois Target: 5.0 Current: 7.7
Indiana Target: 60.0 Current: 56.3
Iowa Target: 60.0 Current: 56.7
Kansas Target: 60.0 Current: 56.8
Michigan Target: 60.0 Current: 63.4
Minnesota Target: 60.0 Current: 59.2
Missouri Target: 60.0 Current: 62.5
User1 State Node Group Name AlarmComment Type TimeLCT Limit Current
2 UNACK WONDERWA... Illinois Illinois.FlowTotal.Lo The current flow from this state. Lo 4/12/2018 6:35:13 PM 20.0 8.15367
Displaying 1 to 1 of 2 alarms
Query: Default
Filter:
100% Complete
Coordinated Universal Time
Trends Pens: 15 Minutes
Show Labels
Midwest
6:35:32 PM


InTouch OMI
Wonderdemo\Aanetworkuser
United States 1 1
Northeast
Southeast
Midwest
Life Is On Schneider Electric
Home
United States Map
Midwest
United States Map
Midwest
Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North_Dakota
Ohio
59.7
Michigan
57.6
Iowa
61.0
Nebraska
60.8
Illinois
4.7
Indiana
63.6
Ohio
60.8
Kansas
59.4
Missouri
57.0
Kentucky
64.6
West Virgin
63.5
Tennessee
56.6
Oklahoma
58.0
Arkansas
61.1
ContentPresenterApp.Co...
InSightApp.InSightChart...
WebLookup
Illinois Target: 5.0 Current: 4.7
Indiana Target: 60.0 Current: 63.6
Iowa Target: 60.0 Current: 61.0
Kansas Target: 60.0 Current: 59.4
Michigan Target: 60.0 Current: 57.6
Minnesota Target: 60.0 Current: 63.7
Missouri Target: 60.0 Current: 57.0
User1 State Node Group Name AlarmComment Type TimeLCT Limit Current
2 ACK WONDERWA... Illinois Illinois.FlowTotal.Lo Std ACK - Lo 4/12/2018 6:35:42 PM 20.0 4.66875
Displaying 1 to 1 of 2 alarms
Query: Default
Filter:
100% Complete
Coordinated Universal Time
Trends Pens: 15 Minutes
Show Labels
Midwest
6:48:52 PM

Alarms

Show Critical Alrms	
Show High Alarms	
Show Medium Alarms	
Show Low Alarms	
Show Unacked Alarms	
Show Acked Alarms	
Show Return to Normal Alarms	

Language

Current Language	English (United States)
CurrentLCID	1033
Current Culture Info	en-US

Navigation

Current Title	Midwest
Current Path	\\Home\Map\Midwest
Current Asset	Midwest
Current Asset Title	Midwest
Current Asset Path	\\Home\Map\Midwest
Current Area	Midwest
Current Area title	Midwest
Current Area Path	\\Home\Map\Midwest
Current Root Area	United_States
Current Root Area Title	United States Map
Current Root Area Path	\\Home\Map
Root	Home
Root Title	
Root Path	\\Home
Parent	Map
Parent Title	United States Map
Parent Path	\\Home\Map
Previous Sibling	
Previous Sibling Title	
Previous Sibling Path	
Next Sibling	Northeast
Next Sibling Title	Northeast
Next Sibling Path	\\Home\Map\Northeast

Playback

Enabled	
StartTime	06/01/2016 02:29:44
End Time	06/01/2016 02:29:44
Speed	0
Playing	
Current Time	#6/1/2016 3:29:44 PM

Settings

Trend Duration	15
Grid Lines	
PV Visible	
PV Optimal Range Visible	
PV Operating Auto Scale	
SP Visible	
Tracker Visible	
Label Visible	
Eng Units Visible	
Controller OP Visible	
Controller OP Cmd Visible	
Alarm Indicator Visible	
Chart Range Increment	5
Safety Visile	
Enable Disable Sound	
Show Control Links	
Show Tool Tips	
Toggle SP Tag	
Disable Horn	
Ack All	
Pen Trend Visible	

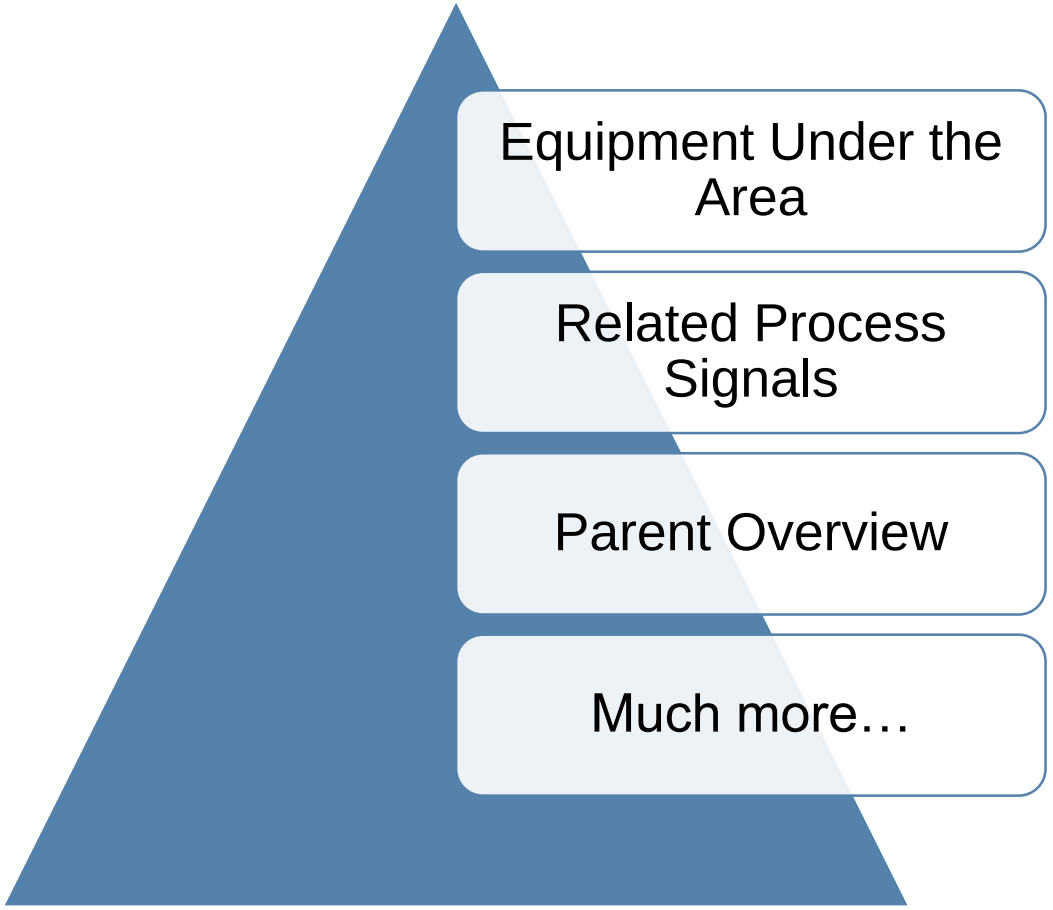
Security

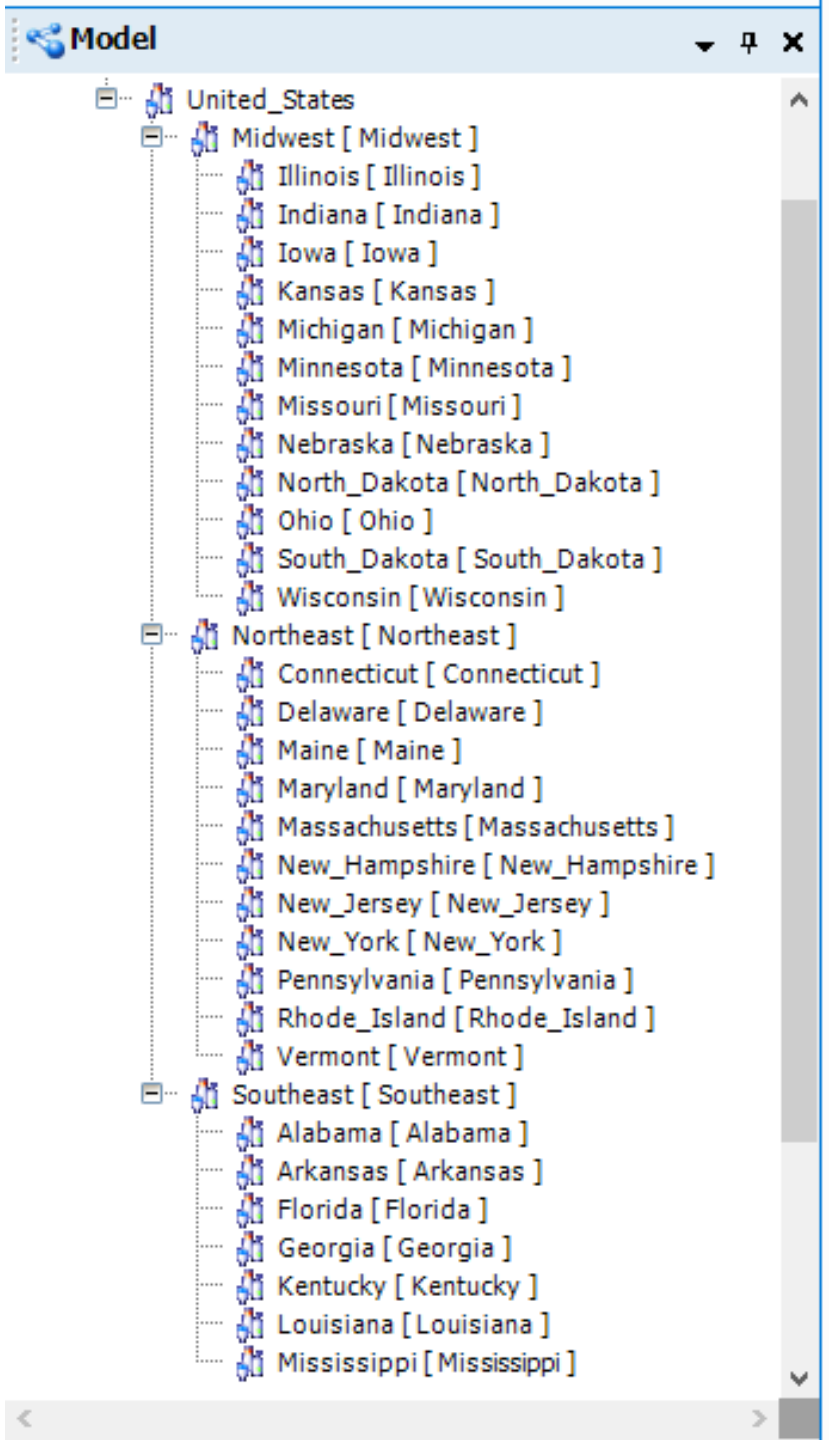
Logged In	True
Logged In User Name	wonderdemo\aanetworkuser
Logged In Access Level	9999
Last Successful Login	04/12/2018 06:23:35

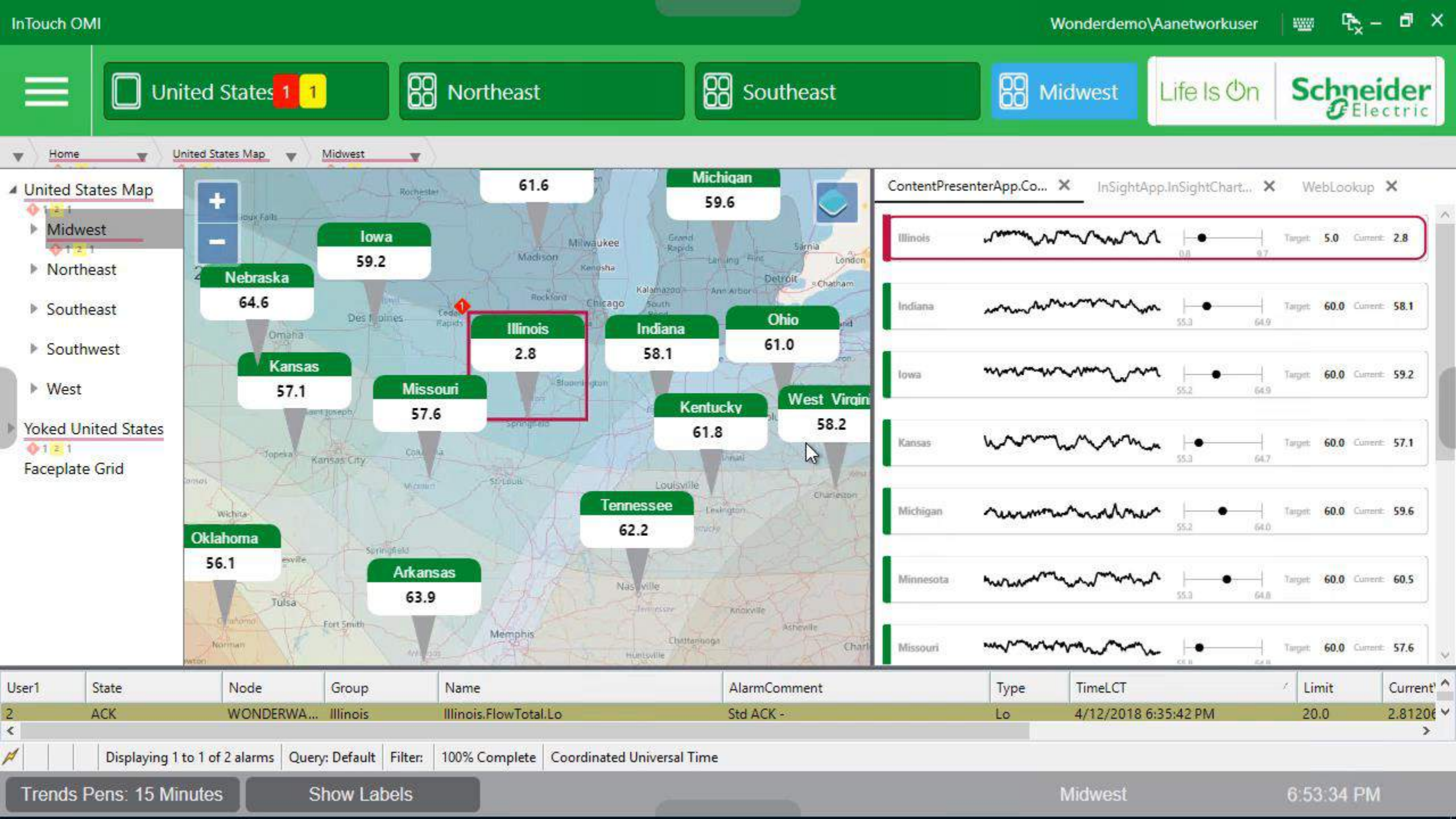
System

Msec	185
Second	9
Minute	50
Hour	18
Day	12
Month	4
Year	2018
Date	04/12/2018 12:00:00
Time	04/12/2018 06:50:09
Date Time	04/12/2018 06:50:09
Date String	4/12/2018
Time String	6:50:09 PM

Providing RICH Context such as:
OMI leverages the Model View



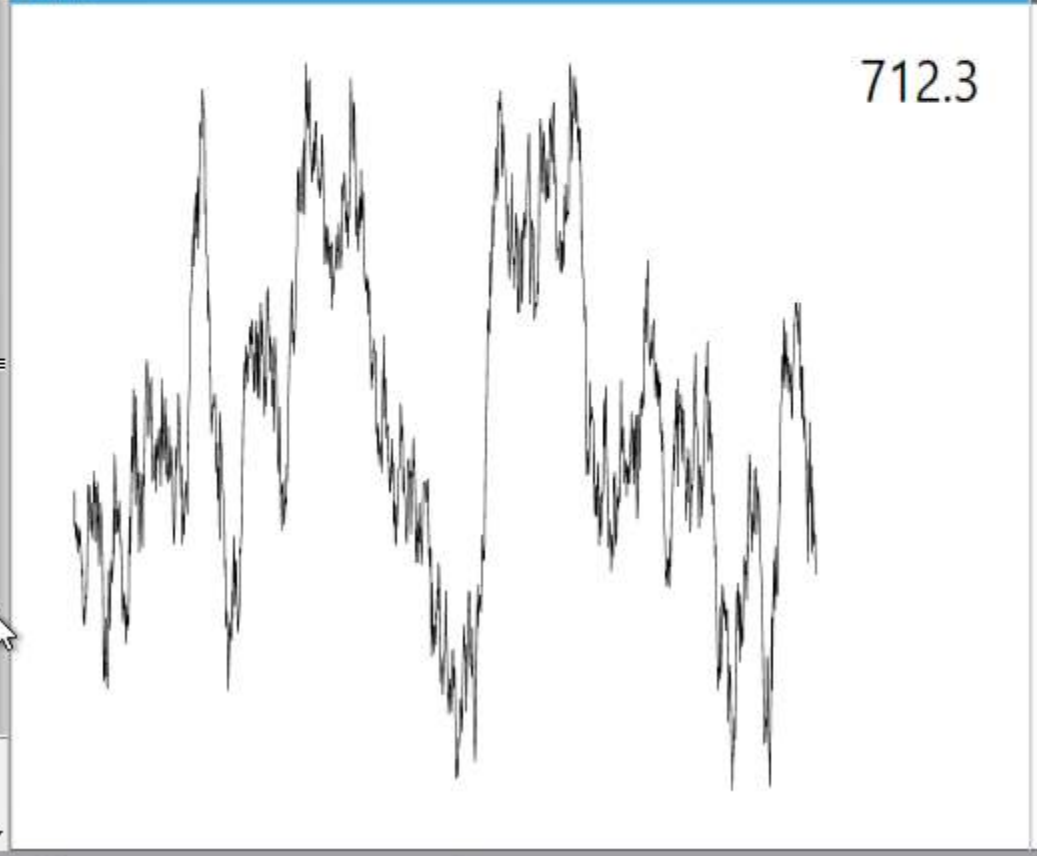



InTouch OMI
Wonderdemo\Aanetworkuser
United States 1 1
Northeast
Southeast
Midwest
Life Is On Schneider Electric
Home
United States Map
Midwest
United States Map
Midwest
Northeast
Southeast
Southwest
West
Yoked United States
Faceplate Grid
61.6
Michigan
59.6
Iowa
59.2
Nebraska
64.6
Illinois
2.8
Indiana
58.1
Ohio
61.0
Kansas
57.1
Missouri
57.6
Kentucky
61.8
West Virgin
58.2
Tennessee
62.2
Oklahoma
56.1
Arkansas
63.9
ContentPresenterApp.Co...
InSightApp.InSightChart...
WebLookup
Illinois Target: 5.0 Current: 2.8
Indiana Target: 60.0 Current: 58.1
Iowa Target: 60.0 Current: 59.2
Kansas Target: 60.0 Current: 57.1
Michigan Target: 60.0 Current: 59.6
Minnesota Target: 60.0 Current: 60.5
Missouri Target: 60.0 Current: 57.6
User1 State Node Group Name AlarmComment Type TimeLCT Limit Current
2 ACK WONDERWA... Illinois Illinois.FlowTotal.Lo Std ACK - Lo 4/12/2018 6:35:42 PM 20.0 2.81206
Displaying 1 to 1 of 2 alarms
Query: Default
Filter:
100% Complete
Coordinated Universal Time
Trends Pens: 15 Minutes
Show Labels
Midwest
6:53:34 PM

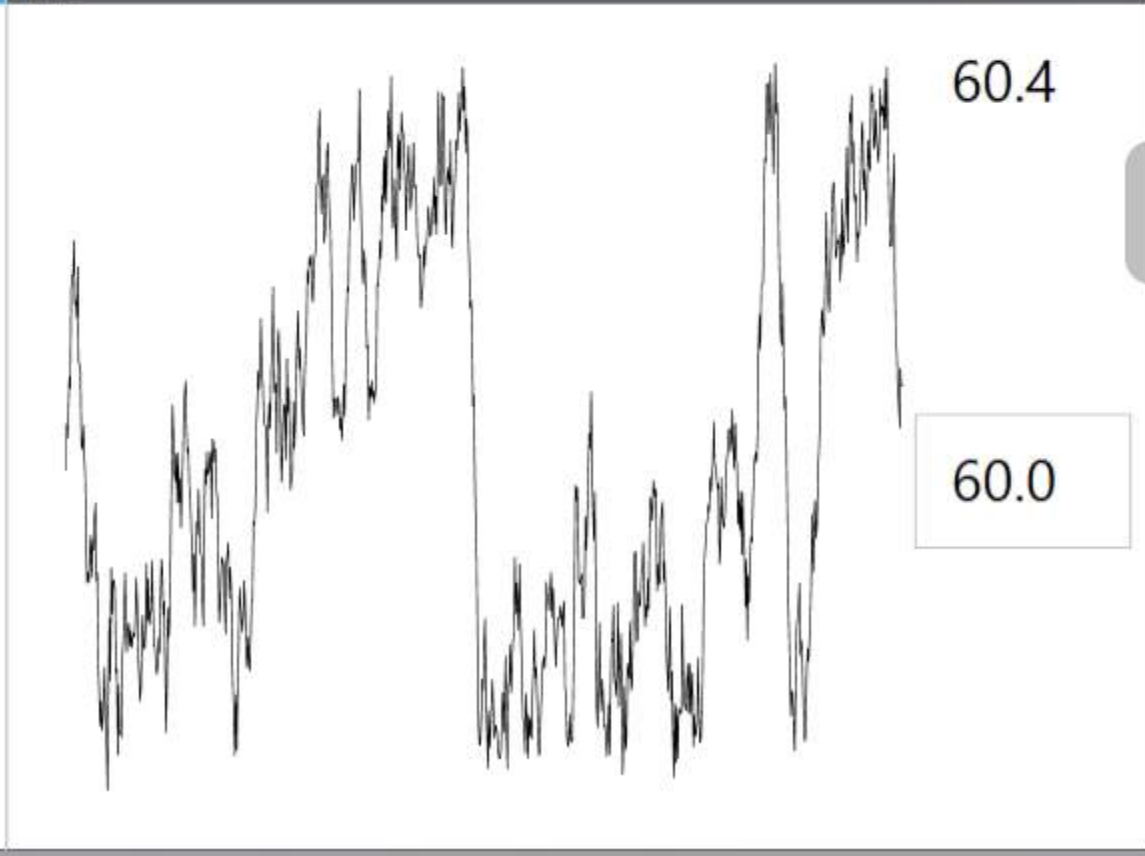
Northeast
Southeast
Alabama
Arkansas
Florida
Georgia
Kentucky
Louisiana
Mississippi
North_Carolina
South_Carolina
Tennessee
Virginia
West_Virginia
Southwest

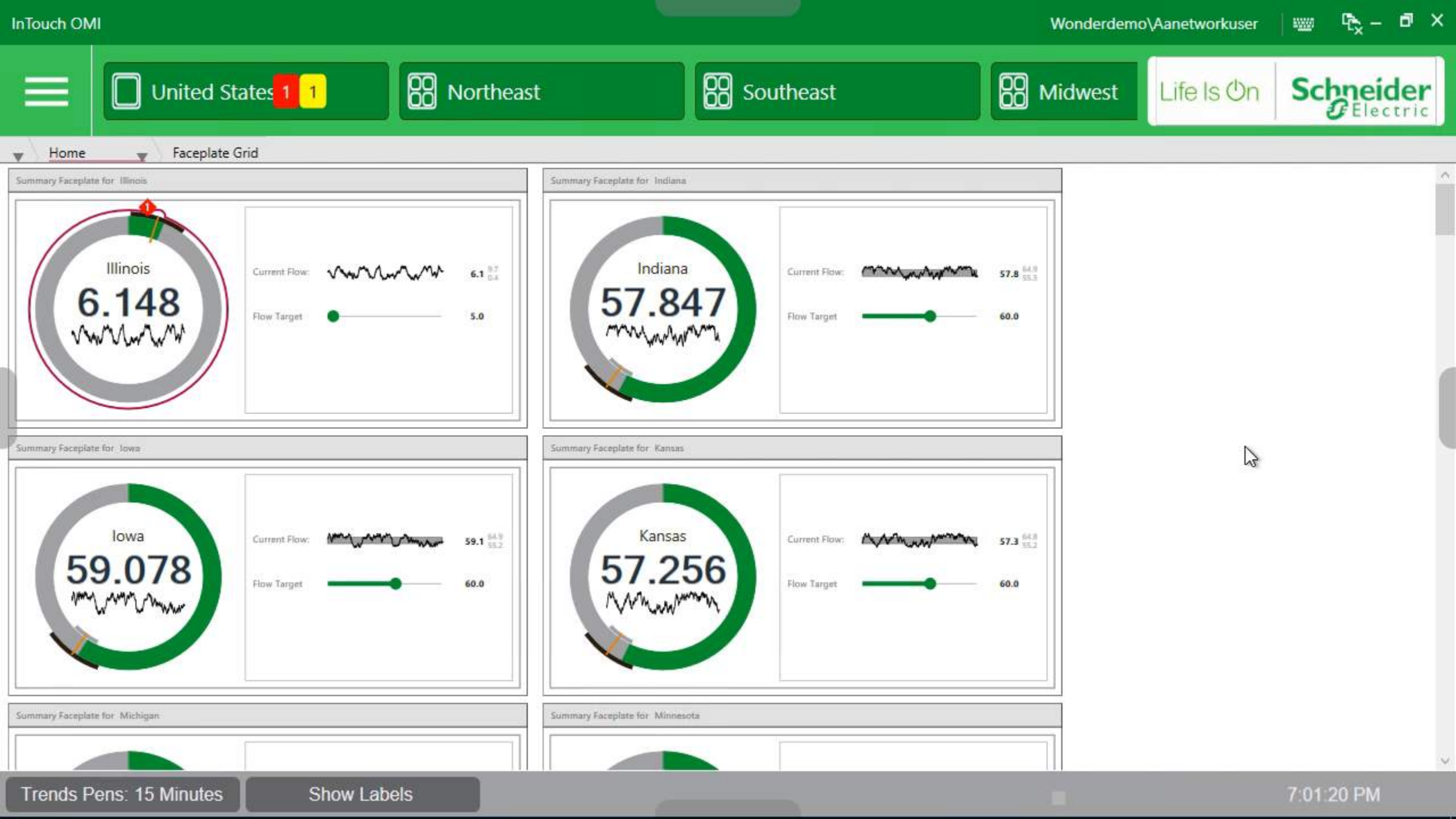
United_States

Southeast



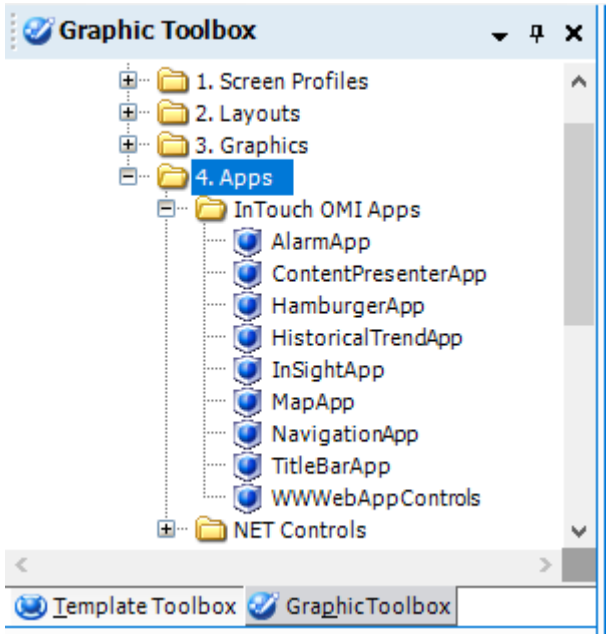
Florida



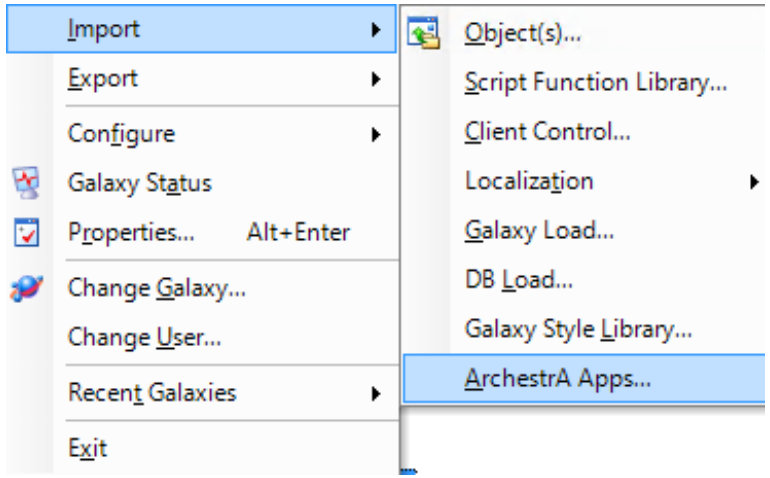

InTouch OMI
Wonderdemo\Aanetworkuser
United States 1 1
Northeast
Southeast
Midwest
Life Is On Schneider Electric
Home
Faceplate Grid
Summary Faceplate for Illinois
Illinois
6.148
Current Flow:
6.1
Flow Target
5.0
Summary Faceplate for Indiana
Indiana
57.847
Current Flow:
57.8
Flow Target
60.0
Summary Faceplate for Iowa
Iowa
59.078
Current Flow:
59.1
Flow Target
60.0
Summary Faceplate for Kansas
Kansas
57.256
Current Flow:
57.3
Flow Target
60.0
Summary Faceplate for Michigan
Summary Faceplate for Minnesota
Trends Pens: 15 Minutes
Show Labels
7:01:20 PM

OMI ArchestrA Apps

- Apps Leverage Context Automatically
- Navigation Tree, Breadcrumbs, Map, Alarm, InSight Trend, Web, Title Bar, Historical Playback, etc.
- An SDK for creating
- More to come..

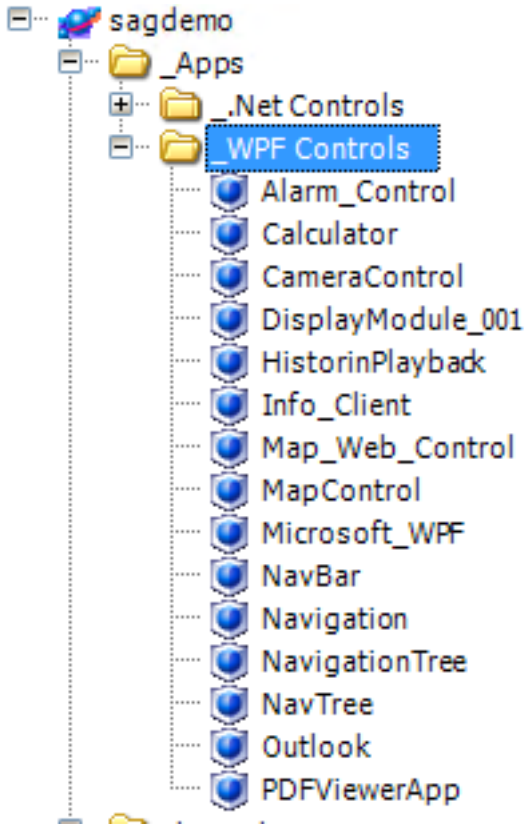


ArchestrA Apps

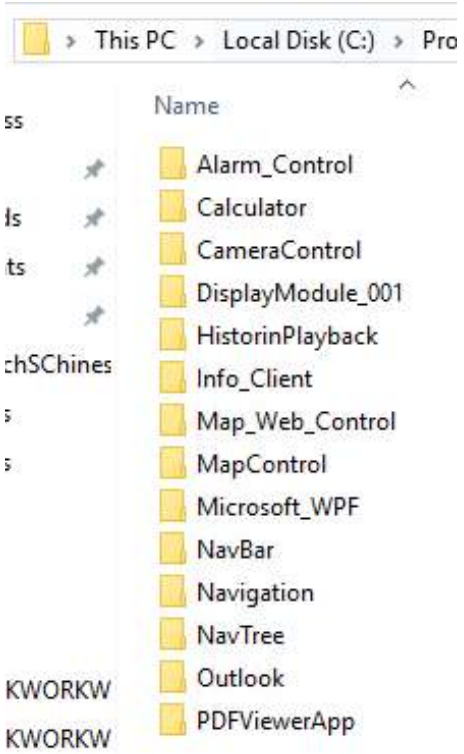


ArchestrA Apps get imported through a new mechanism and do not flag platforms for re deployment.

ArchestrA Apps get deployed with the ViewApp
No install is needed for these.



ArchestrA apps in the toolbox



Deployed within the ViewApp

Operations Management Interface – Responsive Design

Context-driven Apps provide greater situational awareness with integrated apps/analytics/KPIs

Ease of use – eliminates the need for UI scripting

Mash-up of Applications that are dynamically auto-generated

Every screen optimized with the same content

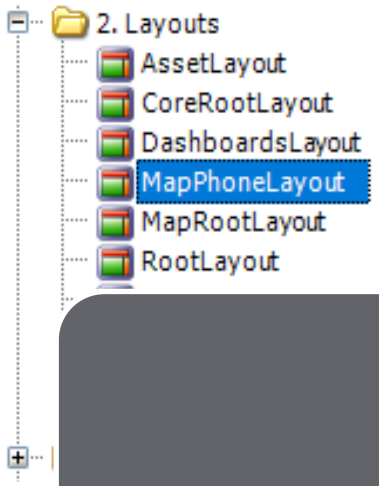
Ultra High Performance – 4K Support; 10X faster the previous technology

More importantly, none of the content changed for any of these examples

Need to use a mobile device? Select a Screen Profile and Layout

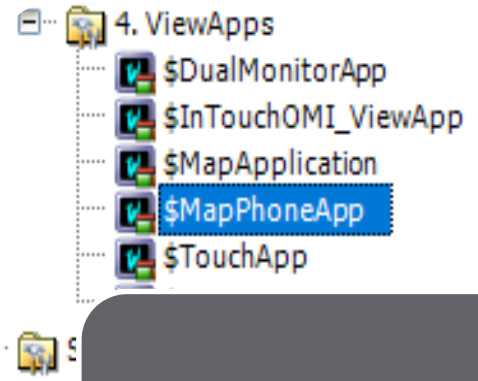
Screen Profile

+



Layout

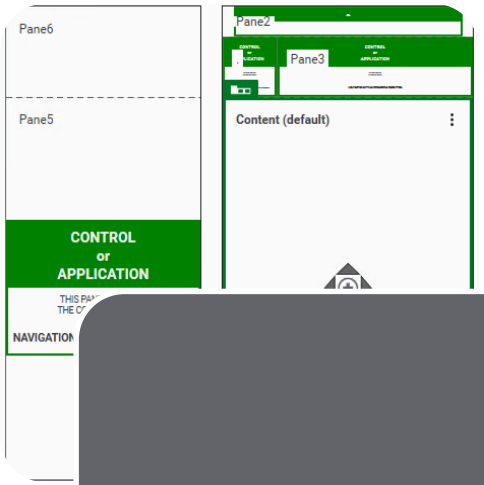
=



ViewApp

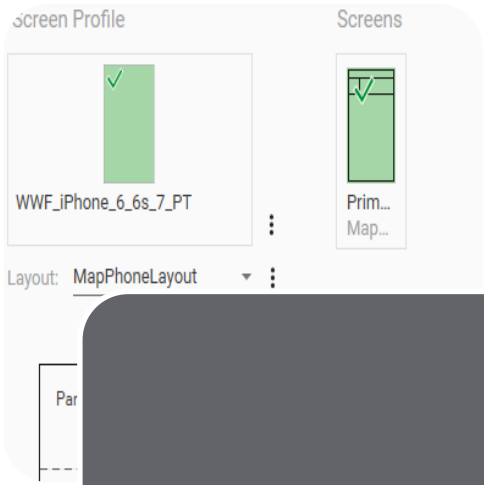
Screen Profile

+

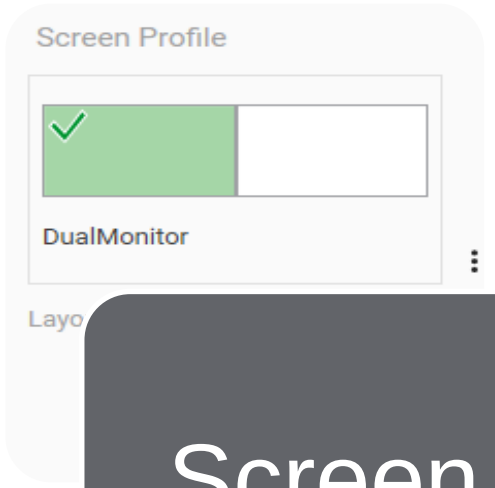


Layout

=

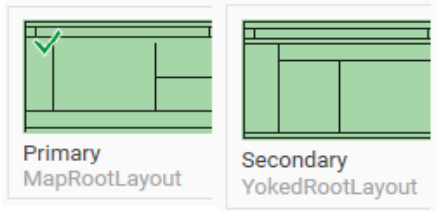


ViewApp



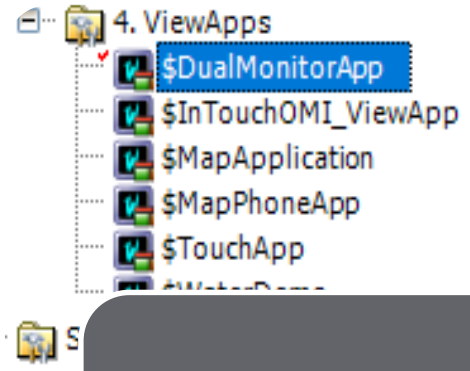
Screen Profile

+

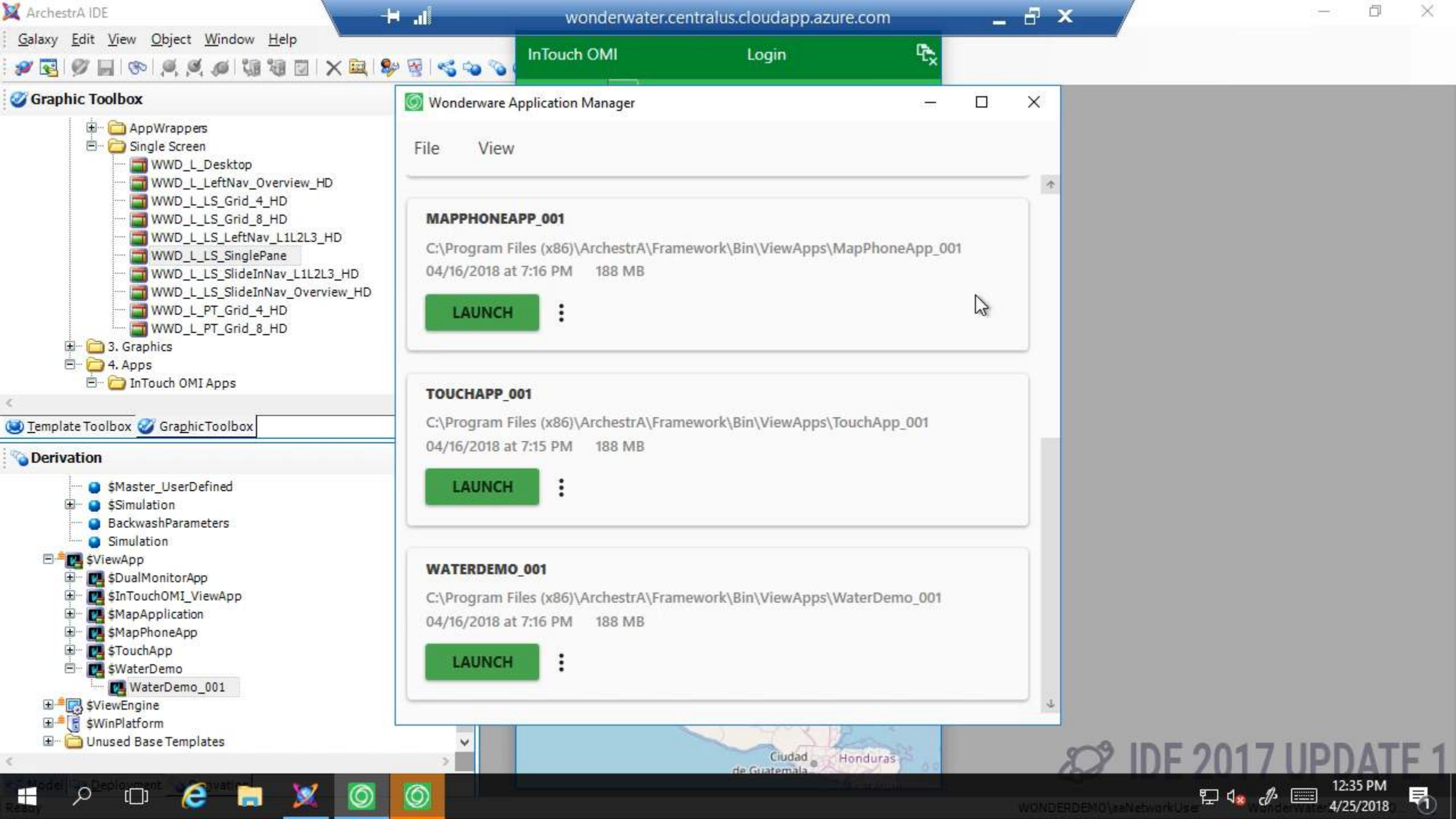


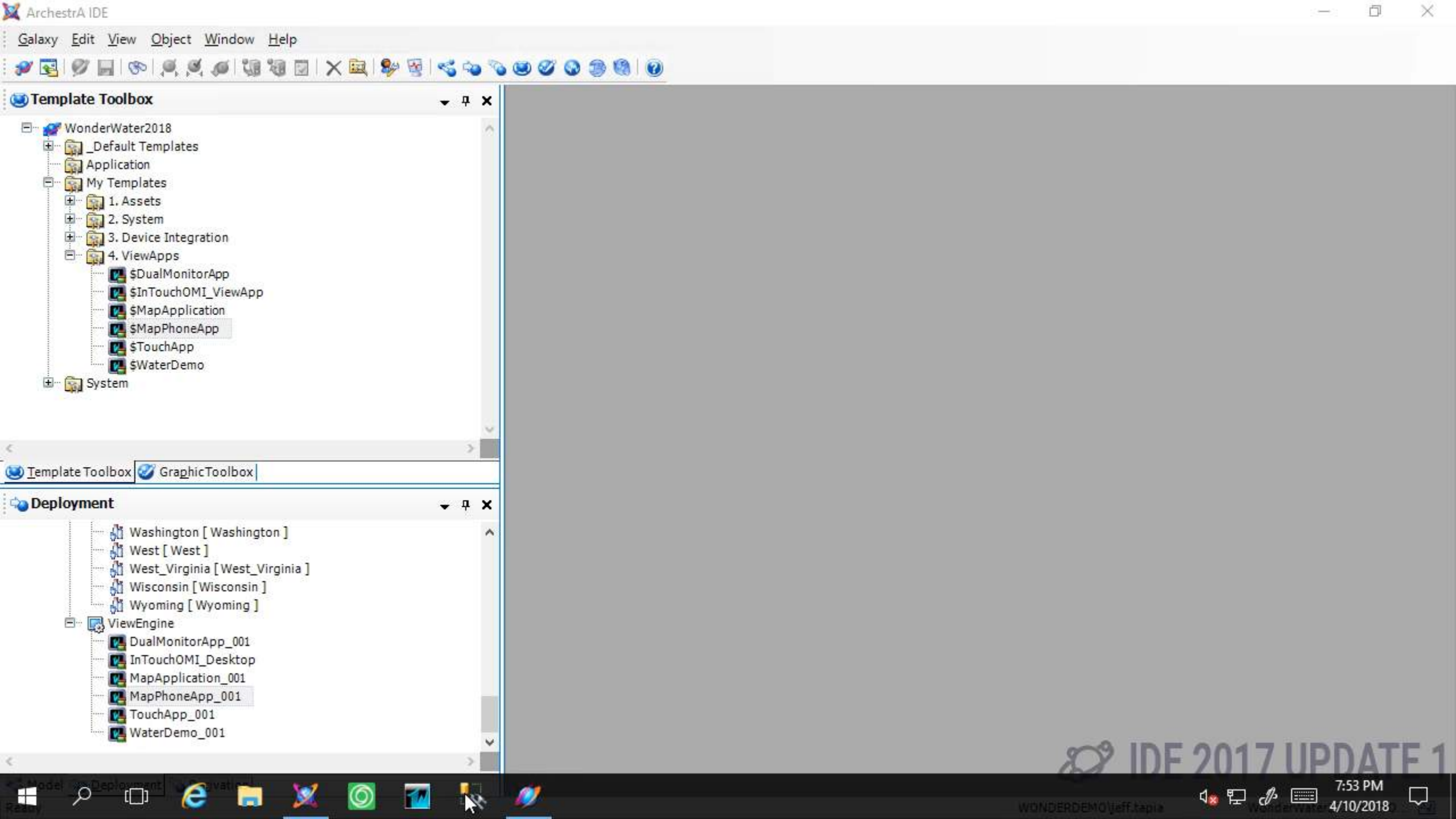
Layouts

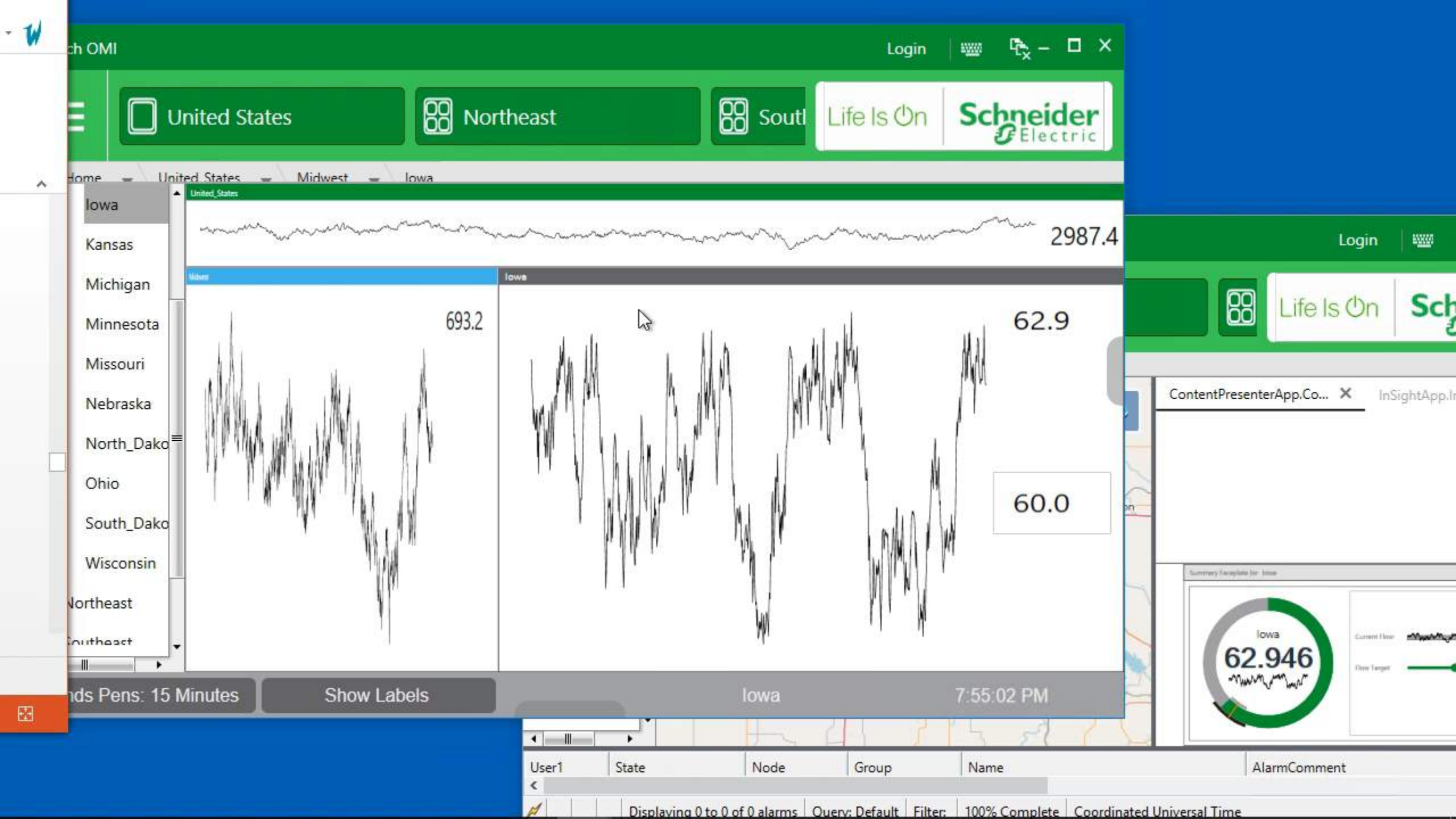
=



ViewApp

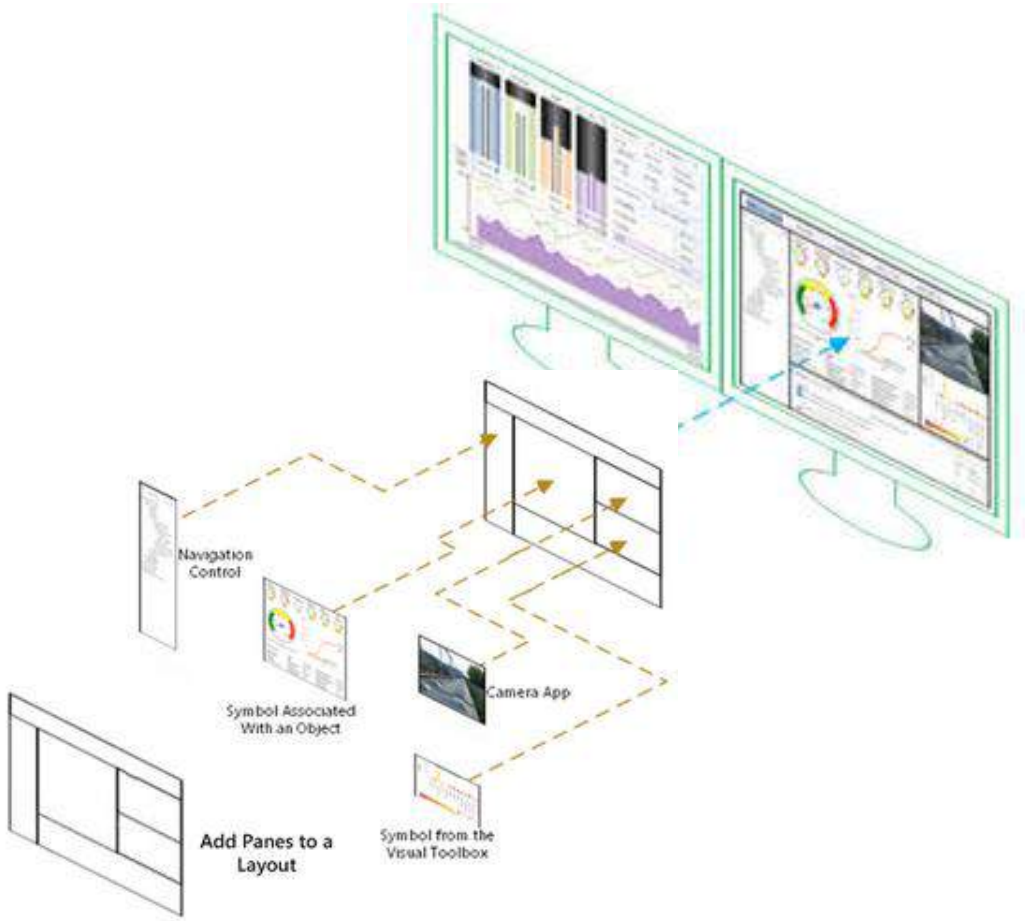

ArchestrA IDE
wonderwater.centralus.cloudapp.azure.com
Galaxy Edit View Object Window Help
InTouch OMI Login
Graphic Toolbox
AppWrappers
Single Screen
WWD_L_Desktop
WWD_L_LeftNav_Overview_HD
WWD_L_LS_Grid_4_HD
WWD_L_LS_Grid_8_HD
WWD_L_LS_LeftNav_L1L2L3_HD
WWD_L_LS_SinglePane
WWD_L_LS_SlideInNav_L1L2L3_HD
WWD_L_LS_SlideInNav_Overview_HD
WWD_L_PT_Grid_4_HD
WWD_L_PT_Grid_8_HD
3. Graphics
4. Apps
InTouch OMI Apps
Template Toolbox
GraphicToolbox
Derivation
$Master_UserDefined
$Simulation
BackwashParameters
Simulation
$ViewApp
$DualMonitorApp
$InTouchOMI_ViewApp
$MapApplication
$MapPhoneApp
$TouchApp
$WaterDemo
WaterDemo_001
$ViewEngine
$WinPlatform
Unused Base Templates
Wonderware Application Manager
File
View
MAPPHONEAPP_001
C:\Program Files (x86)\ArchestrA\Framework\Bin\ViewApps\MapPhoneApp_001
04/16/2018 at 7:16 PM 188 MB
LAUNCH
TOUCHAPP_001
C:\Program Files (x86)\ArchestrA\Framework\Bin\ViewApps\TouchApp_001
04/16/2018 at 7:15 PM 188 MB
LAUNCH
WATERDEMO_001
C:\Program Files (x86)\ArchestrA\Framework\Bin\ViewApps\WaterDemo_001
04/16/2018 at 7:16 PM 188 MB
LAUNCH
Ciudad de Guatemala
Honduras
IDE 2017 UPDATE 1
12:35 PM
4/25/2018


ArchestrA IDE
Galaxy Edit View Object Window Help
Template Toolbox
WonderWater2018
_Default Templates
Application
My Templates
1. Assets
2. System
3. Device Integration
4. ViewApps
$DualMonitorApp
$InTouchOMI_ViewApp
$MapApplication
$MapPhoneApp
$TouchApp
$WaterDemo
System
Template Toolbox
GraphicToolbox
Deployment
Washington [Washington]
West [West]
West_Virginia [West_Virginia]
Wisconsin [Wisconsin]
Wyoming [Wyoming]
ViewEngine
DualMonitorApp_001
InTouchOMI_Desktop
MapApplication_001
MapPhoneApp_001
TouchApp_001
WaterDemo_001
IDE 2017 UPDATE 1
7:53 PM
4/10/2018


Login
United States
Northeast
Life Is On
Schneider Electric
Home
United_States
Midwest
Iowa
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North_Dako
Ohio
South_Dako
Wisconsin
Northeast
2987.4
693.2
62.9
60.0
Show Labels
Iowa
7:55:02 PM
ContentPresenterApp.Co...
62.946
User1
State
Node
Group
Name
AlarmComment
Displaying 0 to 0 of 0 alarms
Query: Default
Filter:
100% Complete
Coordinated Universal Time

A paradigm shift in HMI Configuration

- Data Driven Application Generation



Applications **build themselves** automatically

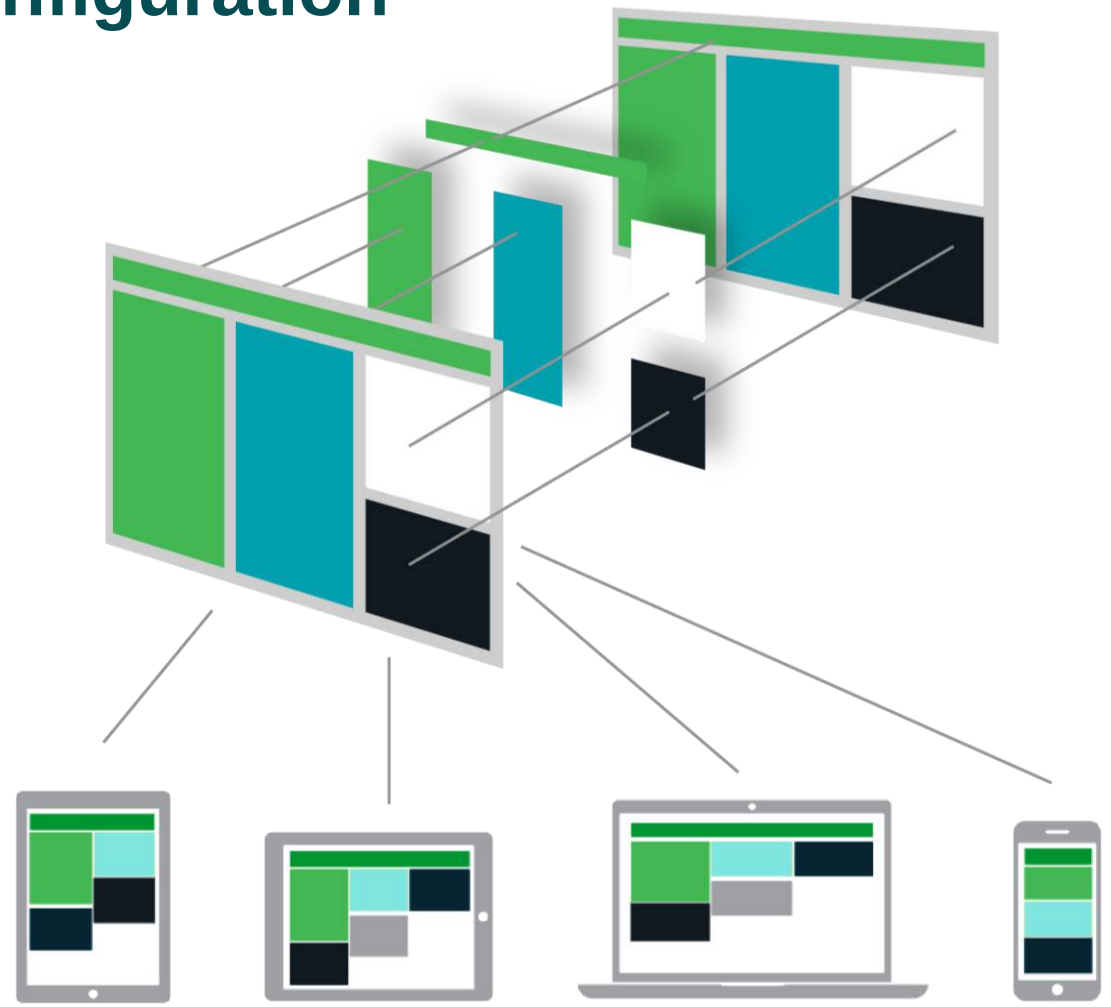
All content is tagged with a **Content Type**

Panes within a Layout **consume** one or more content types

Plant Model drives **automatic navigation** generation

The Next Paradigm in HMI Configuration

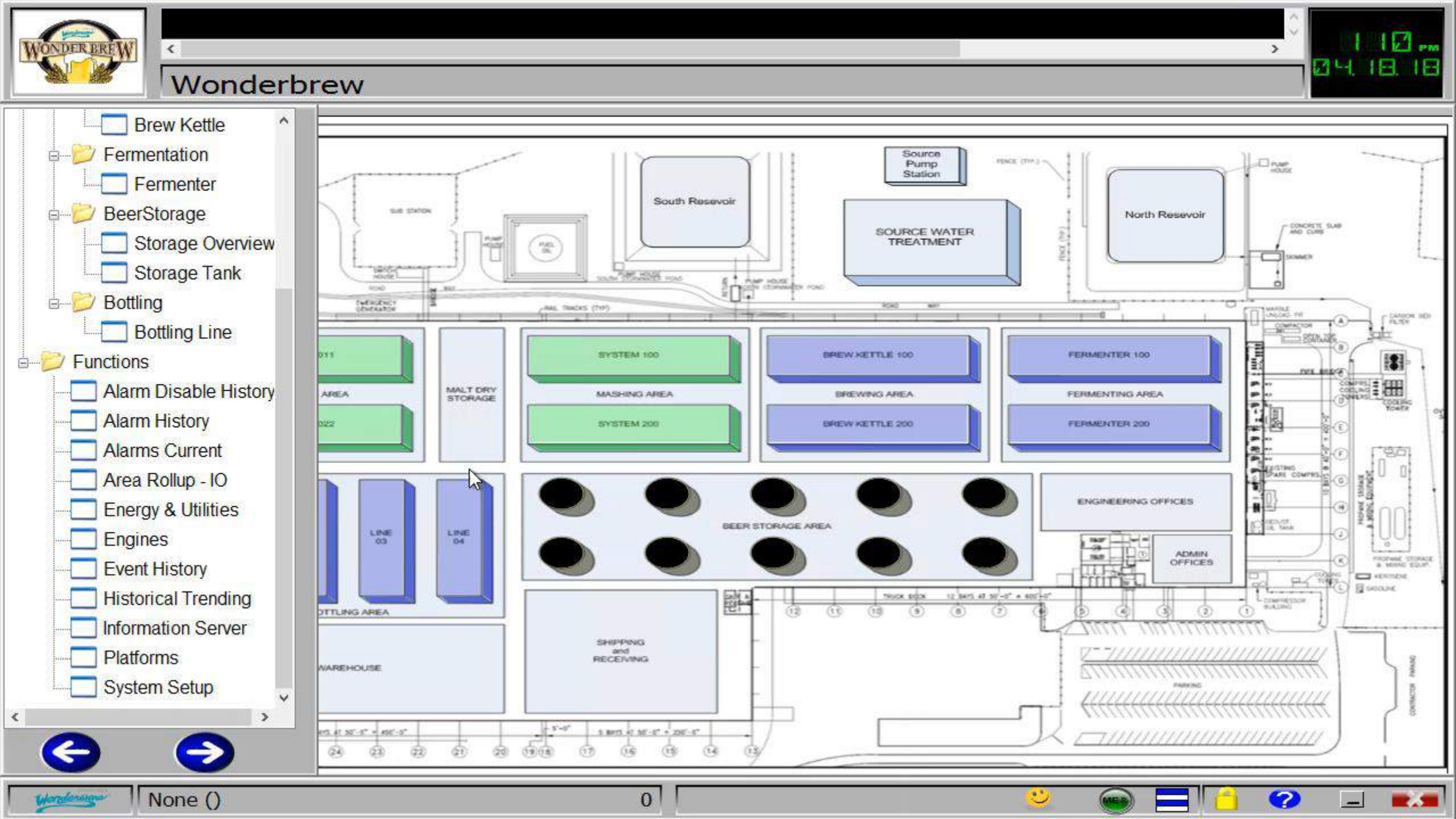
- HMI standardization improves your agility, responsiveness and change management efforts.
- Revolutionary new way to build re-usable displays using layout & panes; similar to modern webpage development.



Life Is On Schneider Electric AVEVA

So what does it take for an existing, Wonderware System Platform SCADA Application?...

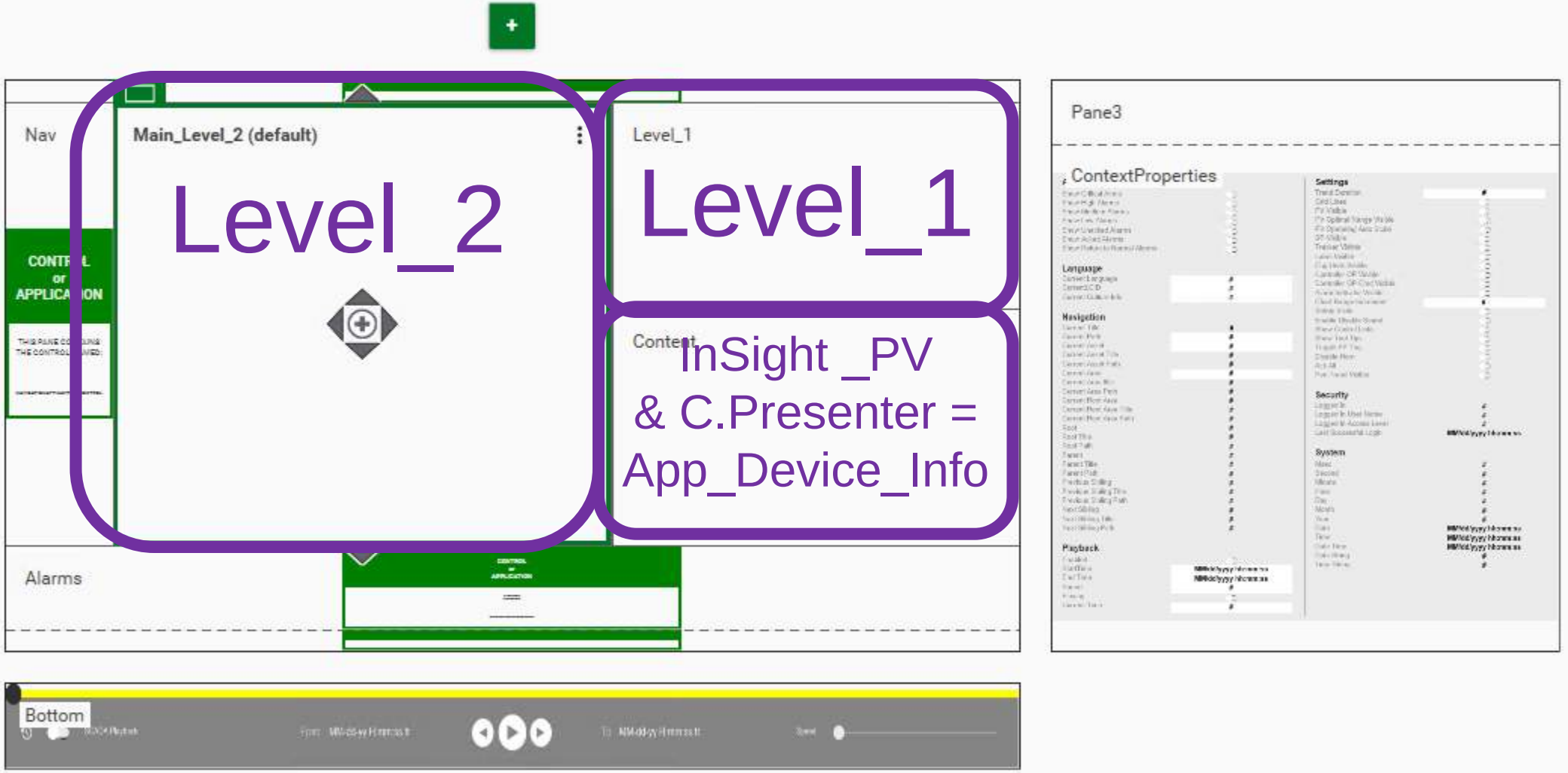
Recycle Bin
Google Chrome
Prometheus
Schneider Electric ...
Wonderware Applicatio...
1:09 PM
4/18/2018


Wonderbrew
Brew Kettle
Fermentation
Fermenter
BeerStorage
Storage Overview
Storage Tank
Bottling
Bottling Line
Functions
Alarm Disable History
Alarm History
Alarms Current
Area Rollup - IO
Energy & Utilities
Engines
Event History
Historical Trending
Information Server
Platforms
System Setup
Source Pump Station
South Resevoir
SOURCE WATER TREATMENT
North Resevoir
SYSTEM 100
MASHING AREA
SYSTEM 200
BREW KETTLE 100
BREWING AREA
BREW KETTLE 200
FERMENTER 100
FERMENTING AREA
FERMENTER 200
MALT DRY STORAGE
LINE 03
LINE 04
BEER STORAGE AREA
ENGINEERING OFFICES
ADMIN OFFICES
SHIPPING and RECEIVING
None ()
0

wbRootLayout

Actions

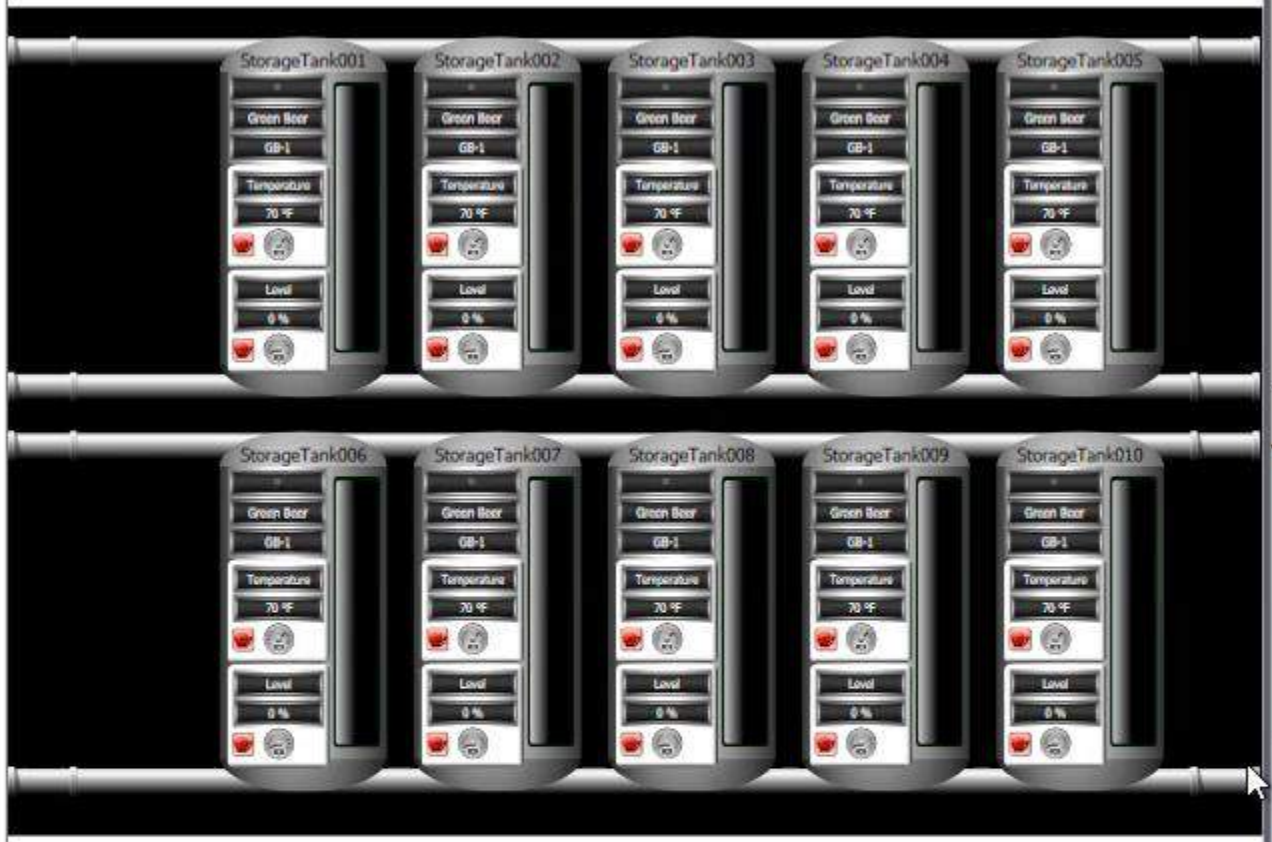
Properties

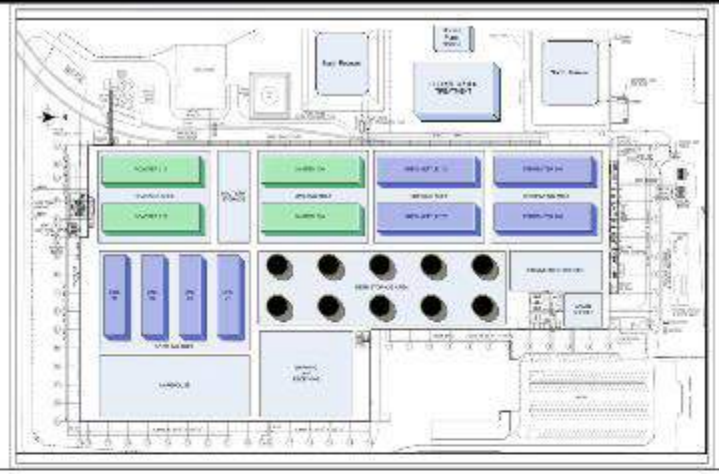


35 %

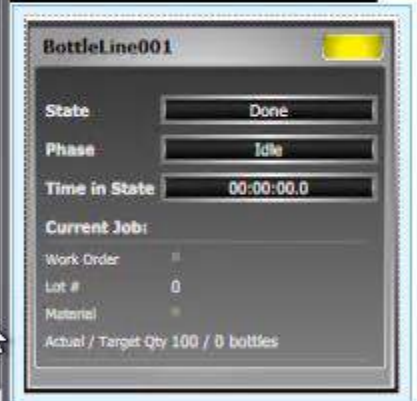
3:24 PM
4/18/2018

- BeerStorage
- Bottling
- Brewing
- DryStorage
- Fermentation
- Main
- Mashing
- MountainSpring
- Roasting
- Utilities
- Warehouse





ContentPresenterApp.Co... | InSightApp.InSightChart...



User1	State	Node	Group	Name	AlarmComment	Type	TimeLCT	Limit	Current
2	UNACK_RTN	WONDERBRE...	Roasting	OCO_001.MES.Alarm	Roaster011 MES Error	Software	4/18/2018 3:15:51 PM	true	False

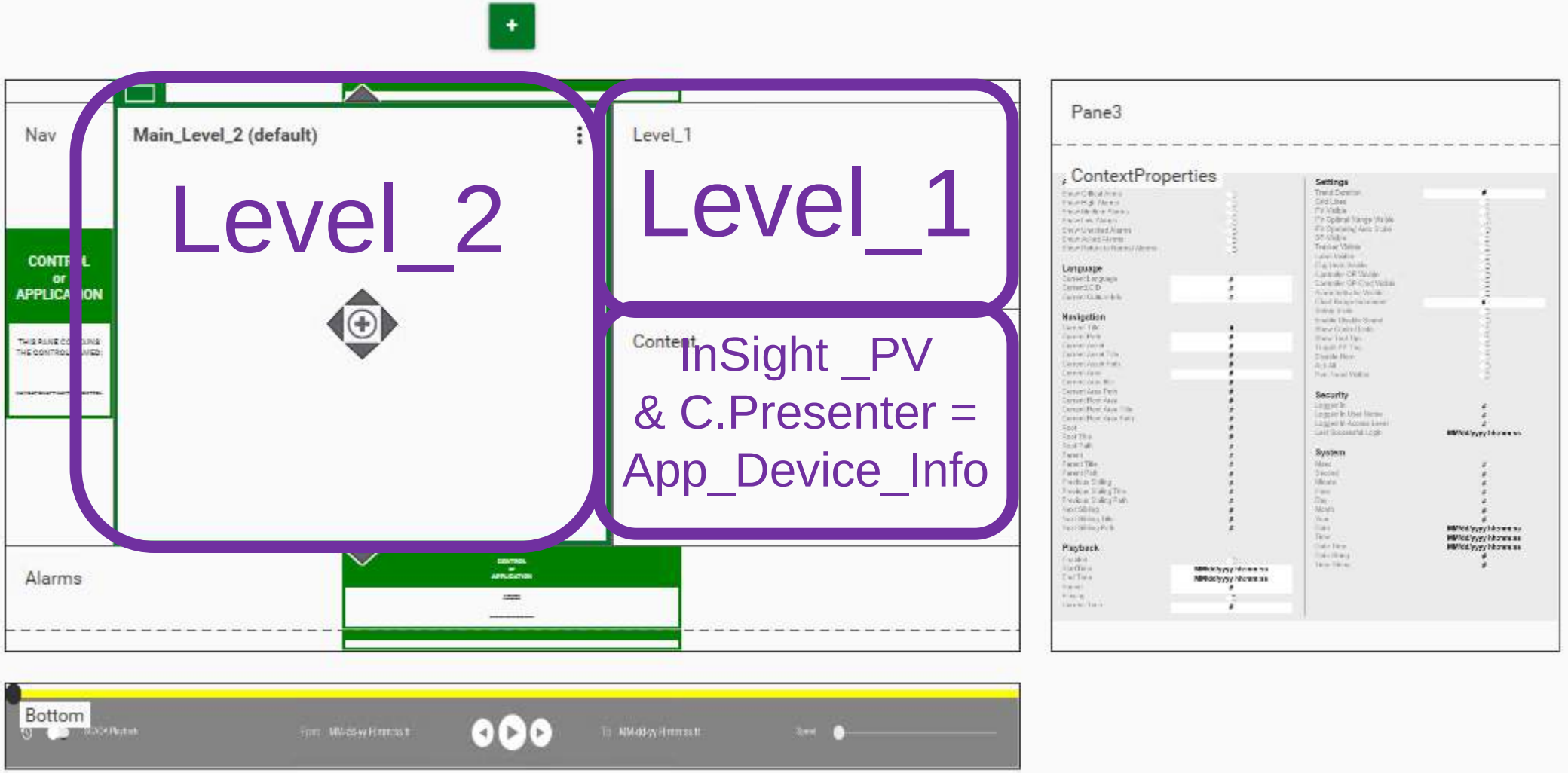
Displaying 1 to 2 of 3 alarms | Query: Default | Filter: | 100% Complete | Coordinated Universal Time

Trends Pens: 15 Minutes | Show Labels

wbRootLayout

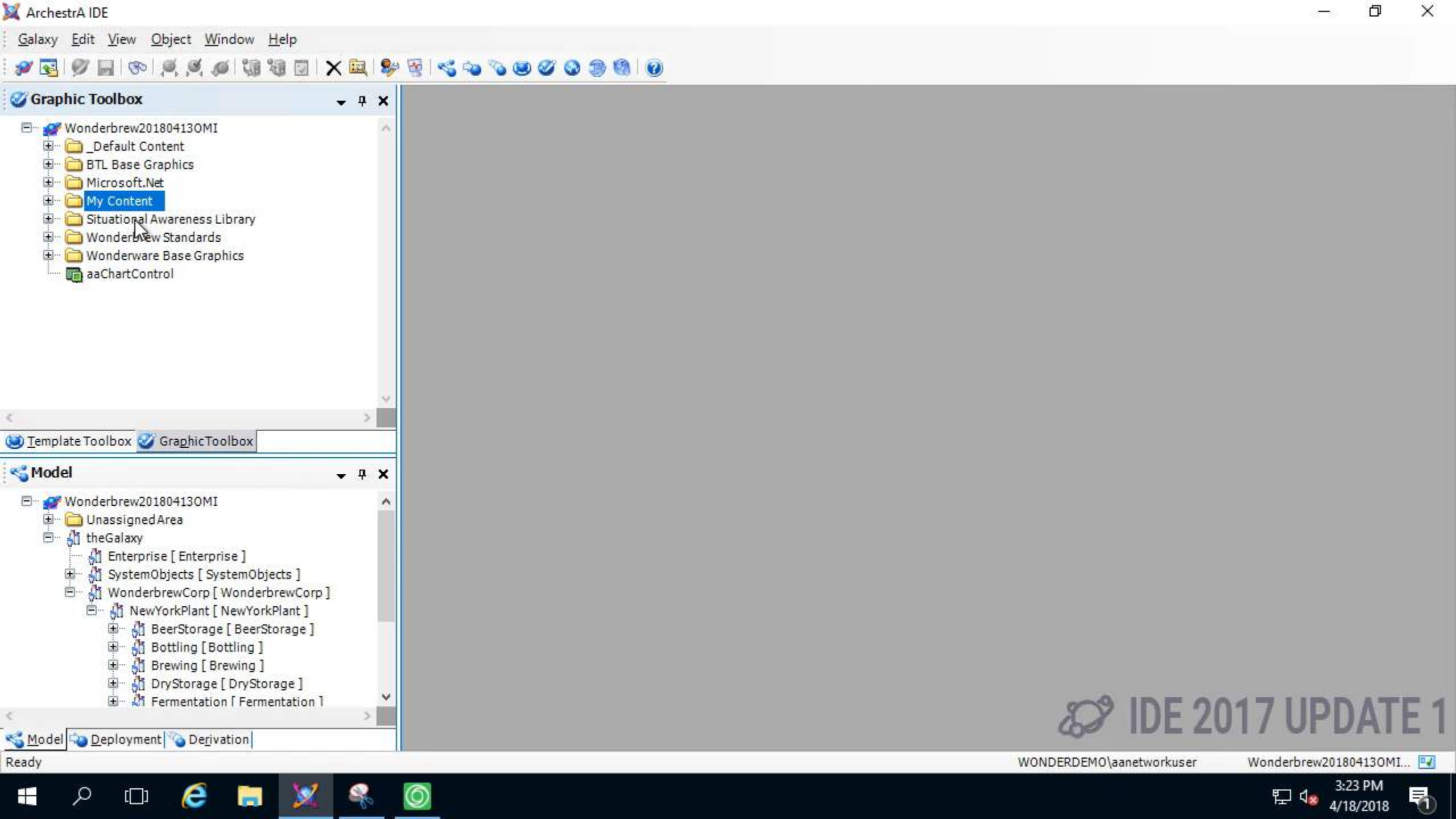
Actions

Properties



35 %

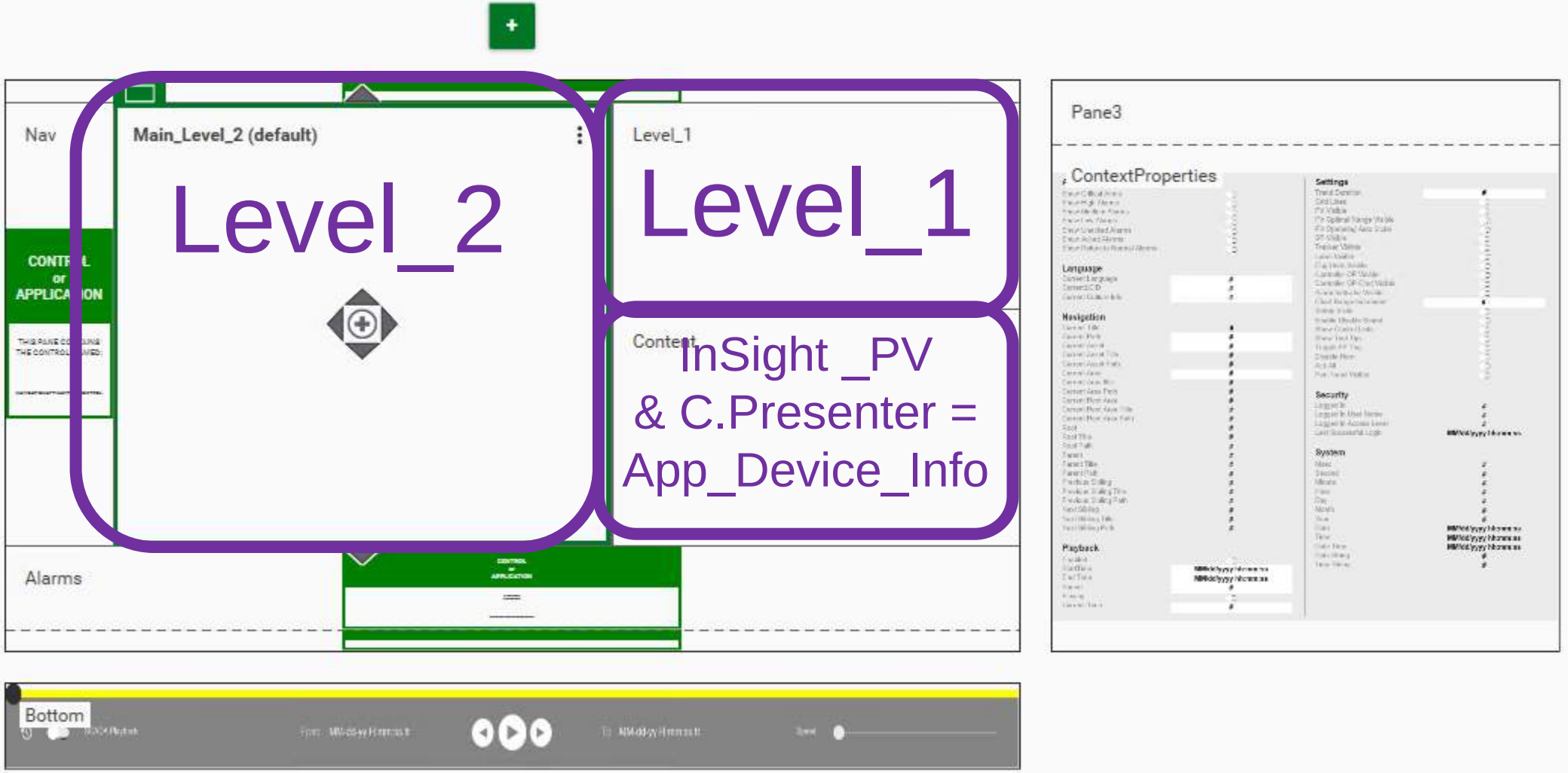
3:24 PM
4/18/2018


ArchestrA IDE
Galaxy Edit View Object Window Help
Graphic Toolbox
Wonderbrew20180413OMI
_Default Content
BTL Base Graphics
Microsoft.Net
My Content
Situational Awareness Library
Wonderbrew Standards
Wonderware Base Graphics
aaChartControl
Template Toolbox
GraphicToolbox
Model
Wonderbrew20180413OMI
Unassigned Area
theGalaxy
Enterprise [Enterprise]
SystemObjects [SystemObjects]
WonderbrewCorp [WonderbrewCorp]
NewYorkPlant [NewYorkPlant]
BeerStorage [BeerStorage]
Bottling [Bottling]
Brewing [Brewing]
DryStorage [DryStorage]
Fermentation [Fermentation]
Model
Deployment
Derivation
IDE 2017 UPDATE 1
Ready
WONDERDEMO\aanetworkuser
Wonderbrew20180413OMI...
3:23 PM
4/18/2018

wbRootLayout

Actions

Properties



35 %

3:24 PM
4/18/2018

ArchestrA IDE

Galaxy Edit View Object Window Help

Graphic Toolbox

- Wonderbrew20180413OMI
  - _Default Content
  - BTL Base Graphics
  - Microsoft.Net
  - My Content
    - 1. Screen Profiles
    - 2. Layouts
      - Layout_002
      - RootLayout
      - StatusBarLayout
      - wbRootLayout
    - 3. Graphics
    - 4. Apps

Template Toolbox | GraphicToolbox

Derivation

- $mUserDefined
  - $mBTLVersionInfoDumm
  - $mDatabaseConnectionS
  - $mEquipment
    - $wbEquipment
      - $BottleLine
        - BottleLine001
        - BottleLine002
        - BottleLine003
        - BottleLine004
      - $BrewKettle
      - $Fermenter
      - $MaltMill

Model | Deployment | Derivation

$BottleLine

Attributes | Scripts | Object Information

Inherited | User extended | Search Current Attributes (Ctrl + E)

Attributes

- AbortCmd — *Abort Command*
- AbortCmd.Exist
- Alarm.IsAnyAlarmDisabled [$mUserDefined]
- Beer_PV

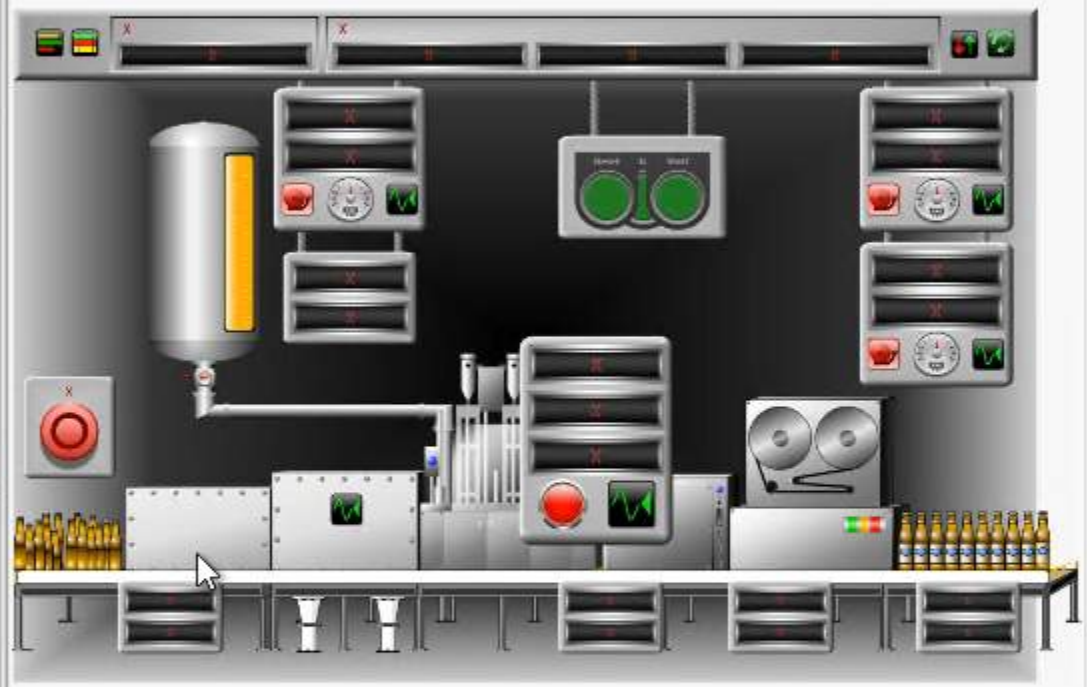
184 of 2505 displayed. 1 selected.

Edit

Symbols

- EquipmentAssembly

6 of 6 displayed. 1 selected.



Name

EquipmentAssembly

Description

$BottleLine

Ready | WONDERDEMO\aanetworkuser | Wonderbrew20180413OMI...

1:22 PM
4/18/2018

ArchestrA IDE

Galaxy Edit View Object Window Help

Graphic Toolbox

- Wonderbrew20180413OMI
  - _Default Content
  - BTL Base Graphics
  - Microsoft.Net
  - My Content
    - 1. Screen Profiles
    - 2. Layouts
      - Layout_002
      - RootLayout
      - StatusBarLayout
      - wbRootLayout
    - 3. Graphics
    - 4. Apps

Template Toolbox | GraphicToolbox

Derivation

- $mUserDefined
  - $mBTLVersionInfoDumm
  - $mDatabaseConnectionS
  - $mEquipment
    - $wbEquipment
      - $BottleLine
        - BottleLine001
        - BottleLine002
        - BottleLine003
        - BottleLine004
      - $BrewKettle
      - $Fermenter
      - $MaltMill

Model | Deployment | Derivation

$BottleLine

Attributes | Scripts | Object Information

Inherited | User extended | Search Current Attributes (Ctrl + E)

Attributes

- AbortCmd
  Abort Command
- AbortCmd.Exist
- Alarm.IsAnyAlarmDisabled [$mUserDefined]
- Beer_PV

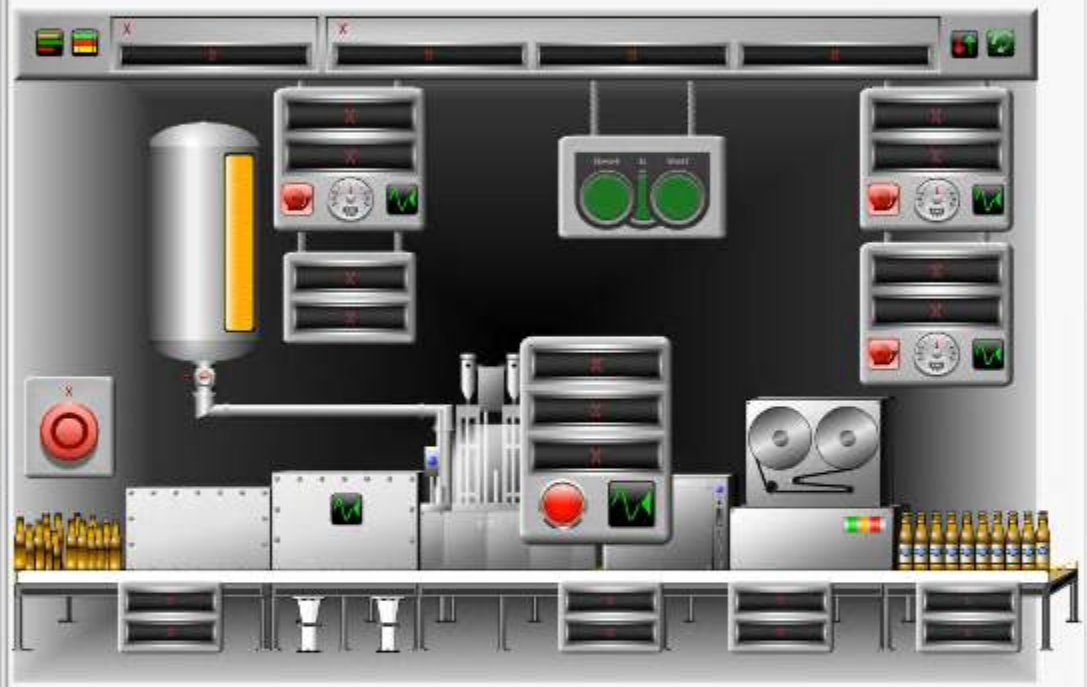
184 of 2505 displayed. 1 selected.

Edit

Symbols

- EquipmentAssembly

6 of 6 displayed. 1 selected.



Name

EquipmentAssembly

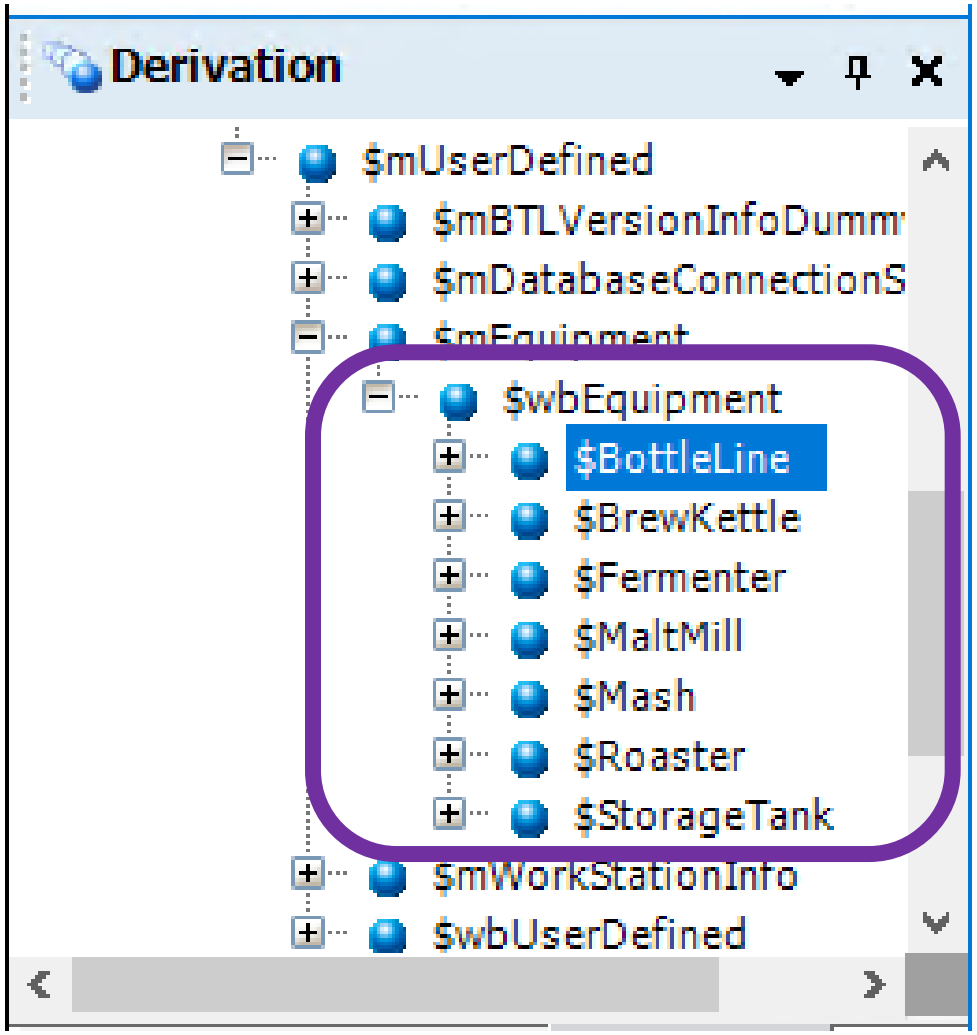
Description

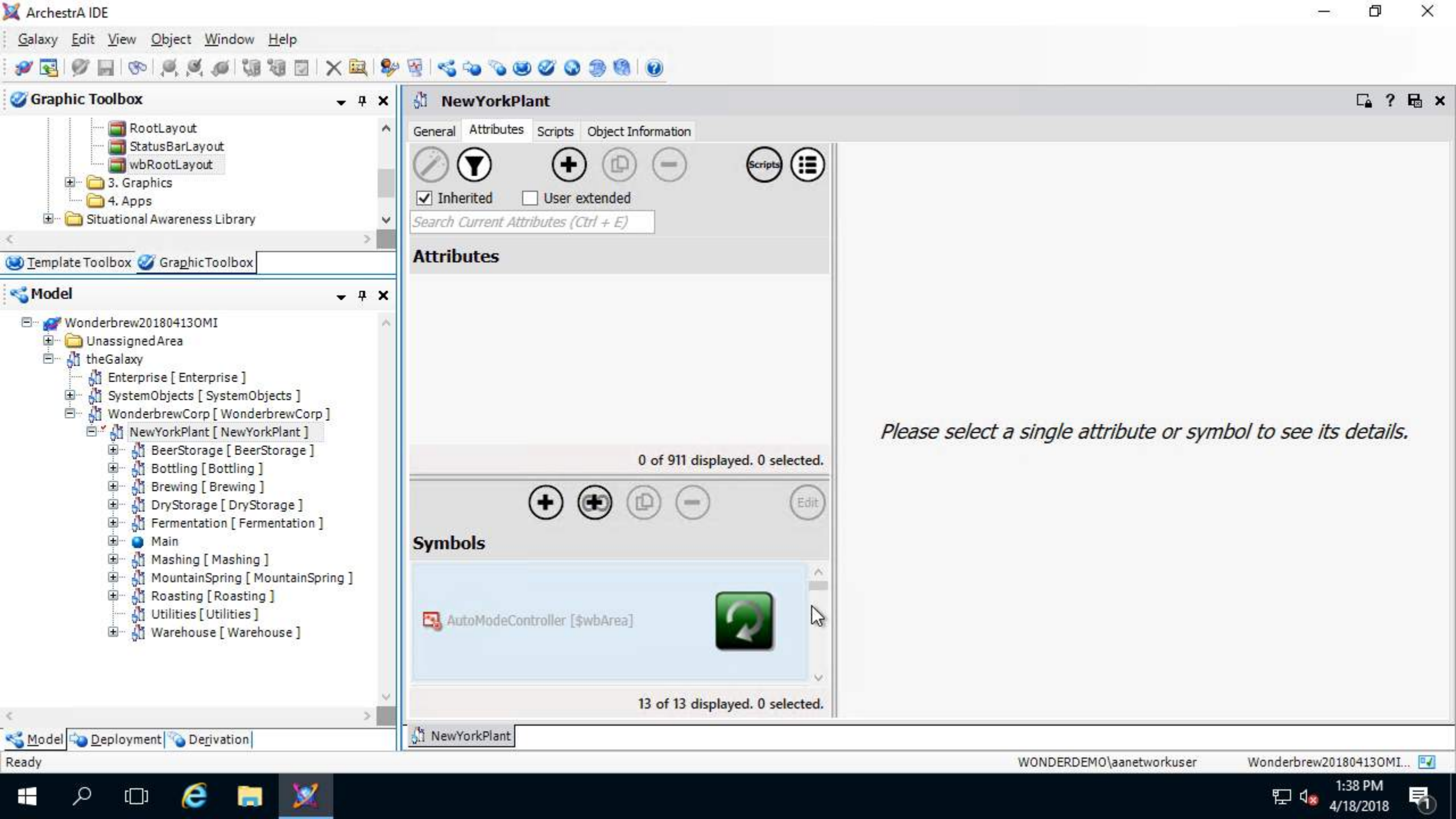
$BottleLine

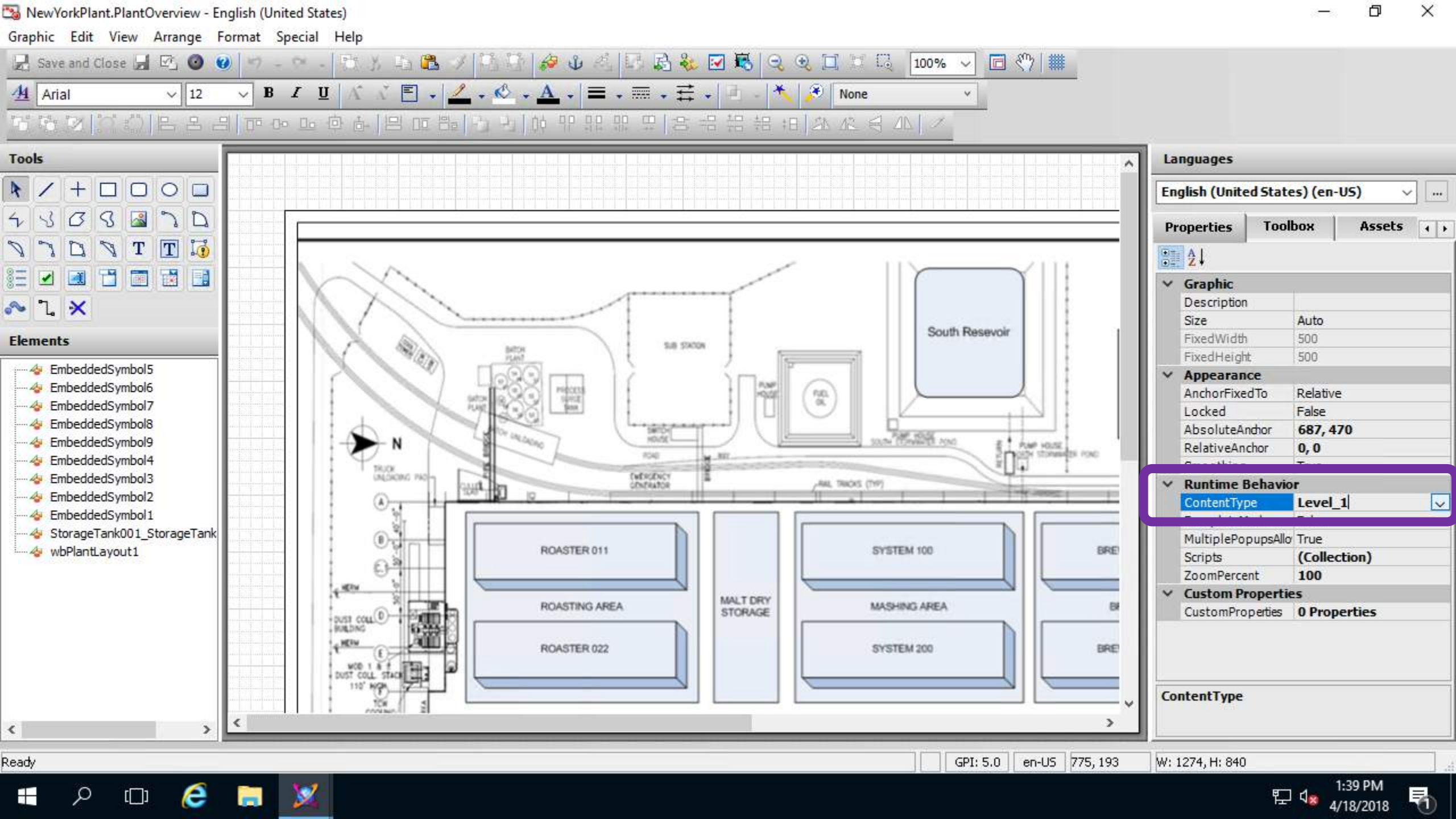
Ready | WONDERDEMO\aanetworkuser | Wonderbrew20180413OMI...

1:24 PM
4/18/2018

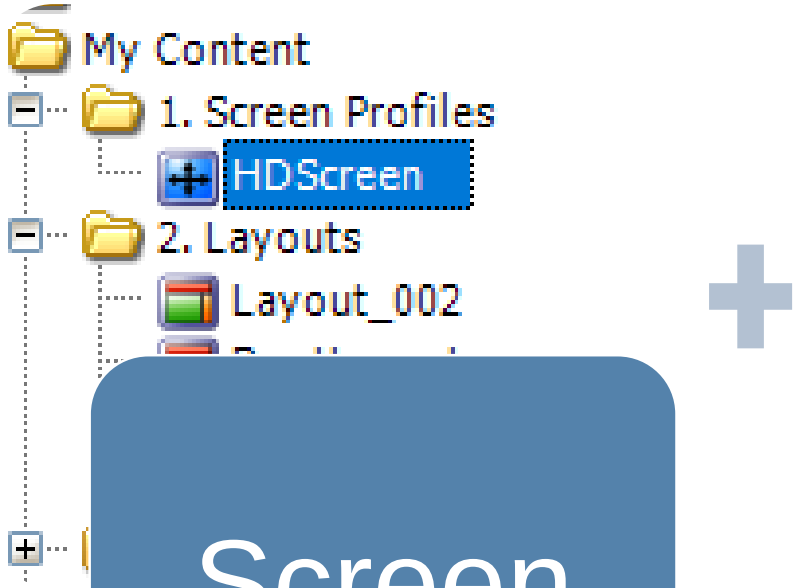
Repeated across equipment




ArchestrA IDE
Galaxy Edit View Object Window Help
Graphic Toolbox
RootLayout
StatusBarLayout
wbRootLayout
3. Graphics
4. Apps
Situational Awareness Library
Template Toolbox
GraphicToolbox
Model
Wonderbrew20180413OMI
UnassignedArea
theGalaxy
Enterprise [Enterprise]
SystemObjects [SystemObjects]
WonderbrewCorp [WonderbrewCorp]
NewYorkPlant [NewYorkPlant]
BeerStorage [BeerStorage]
Bottling [Bottling]
Brewing [Brewing]
DryStorage [DryStorage]
Fermentation [Fermentation]
Main
Mashing [Mashing]
MountainSpring [MountainSpring]
Roasting [Roasting]
Utilities [Utilities]
Warehouse [Warehouse]
Model
Deployment
Derivation
NewYorkPlant
General
Attributes
Scripts
Object Information
Scripts
Inherited
User extended
Search Current Attributes (Ctrl + E)
Attributes
0 of 911 displayed. 0 selected.
Edit
Symbols
AutoModeController [$wbArea]
13 of 13 displayed. 0 selected.
Please select a single attribute or symbol to see its details.
NewYorkPlant
Ready
WONDERDEMO\aanetworkuser
Wonderbrew20180413OMI...
1:38 PM
4/18/2018

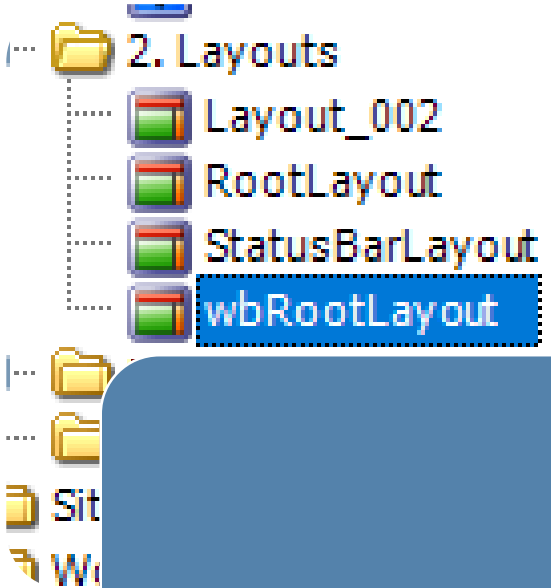

NewYorkPlant.PlantOverview - English (United States)
Graphic Edit View Arrange Format Special Help
Save and Close
100%
Arial
12
None
Tools
Elements
EmbeddedSymbol5
EmbeddedSymbol6
EmbeddedSymbol7
EmbeddedSymbol8
EmbeddedSymbol9
EmbeddedSymbol4
EmbeddedSymbol3
EmbeddedSymbol2
EmbeddedSymbol1
StorageTank001_StorageTank
wbPlantLayout1
South Resevoir
ROASTER 011
ROASTING AREA
ROASTER 022
MALT DRY STORAGE
SYSTEM 100
MASHING AREA
SYSTEM 200
N
Languages
English (United States) (en-US)
Properties
Toolbox
Assets
Graphic
Description
Size Auto
FixedWidth 500
FixedHeight 500
Appearance
AnchorFixedTo Relative
Locked False
AbsoluteAnchor 687, 470
RelativeAnchor 0, 0
Runtime Behavior
ContentType Level_1
MultiplePopupsAllo True
Scripts (Collection)
ZoomPercent 100
Custom Properties
CustomProperties 0 Properties
ContentType
Ready
GPI: 5.0
en-US
775, 193
W: 1274, H: 840
1:39 PM
4/18/2018

Combine a Screen Profile and Layout to Create ViewApp



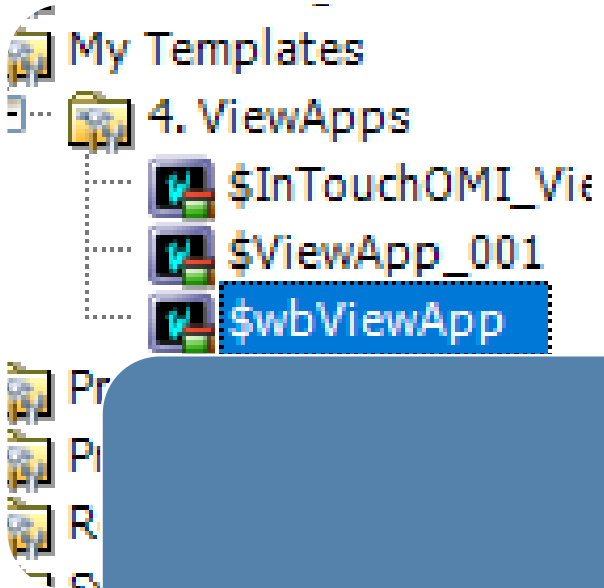
Screen Profile

+

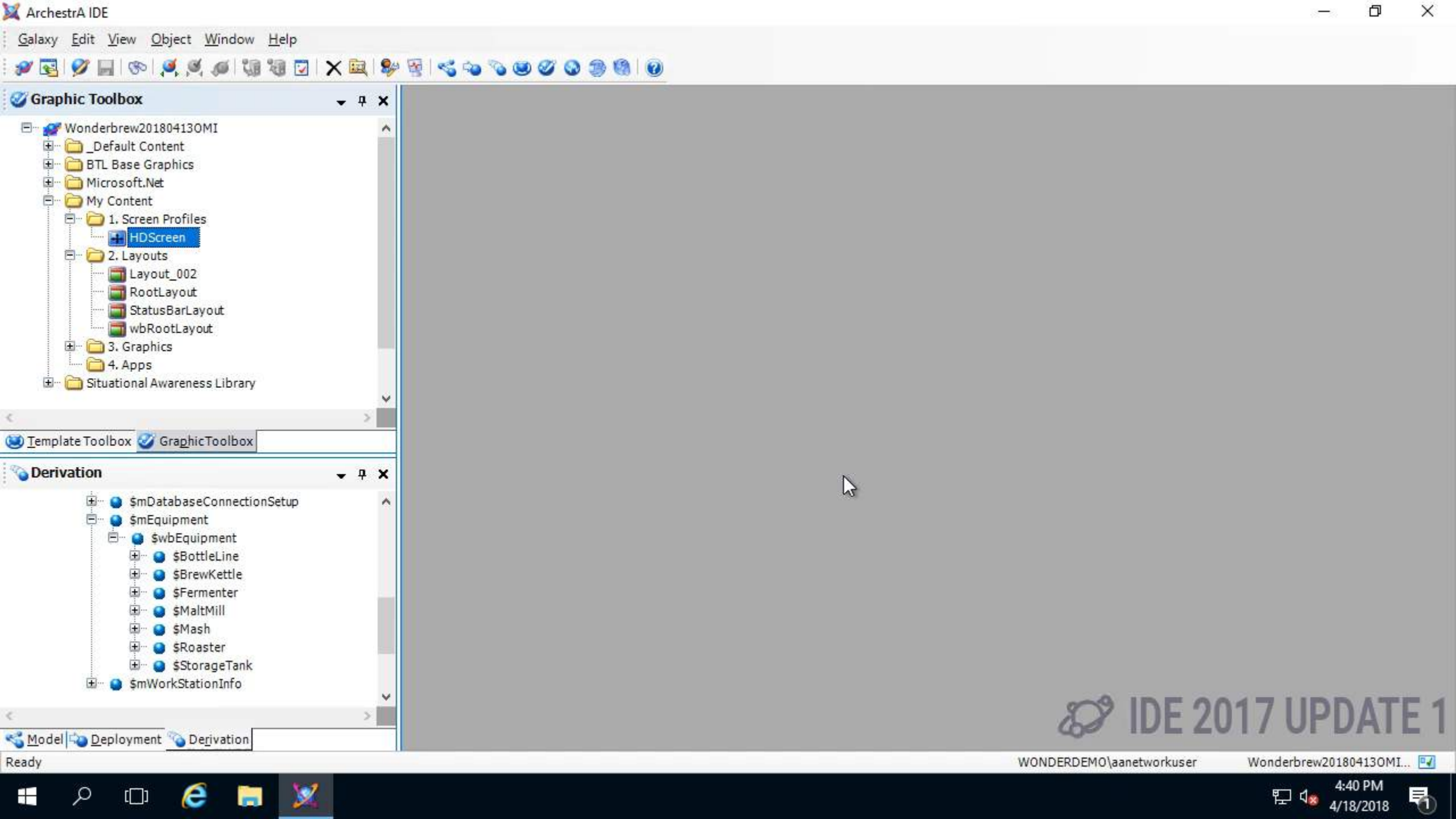


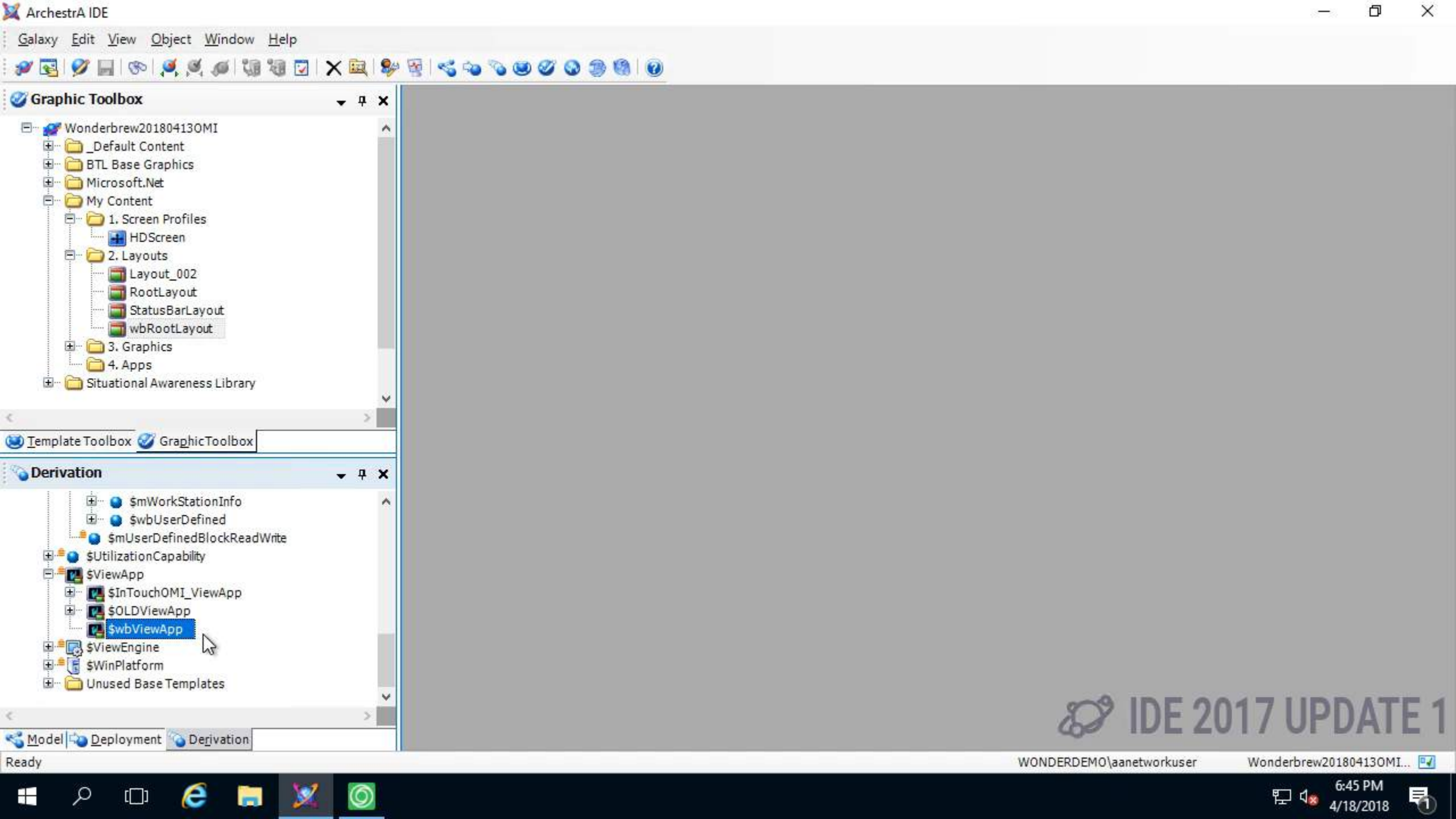
Layout

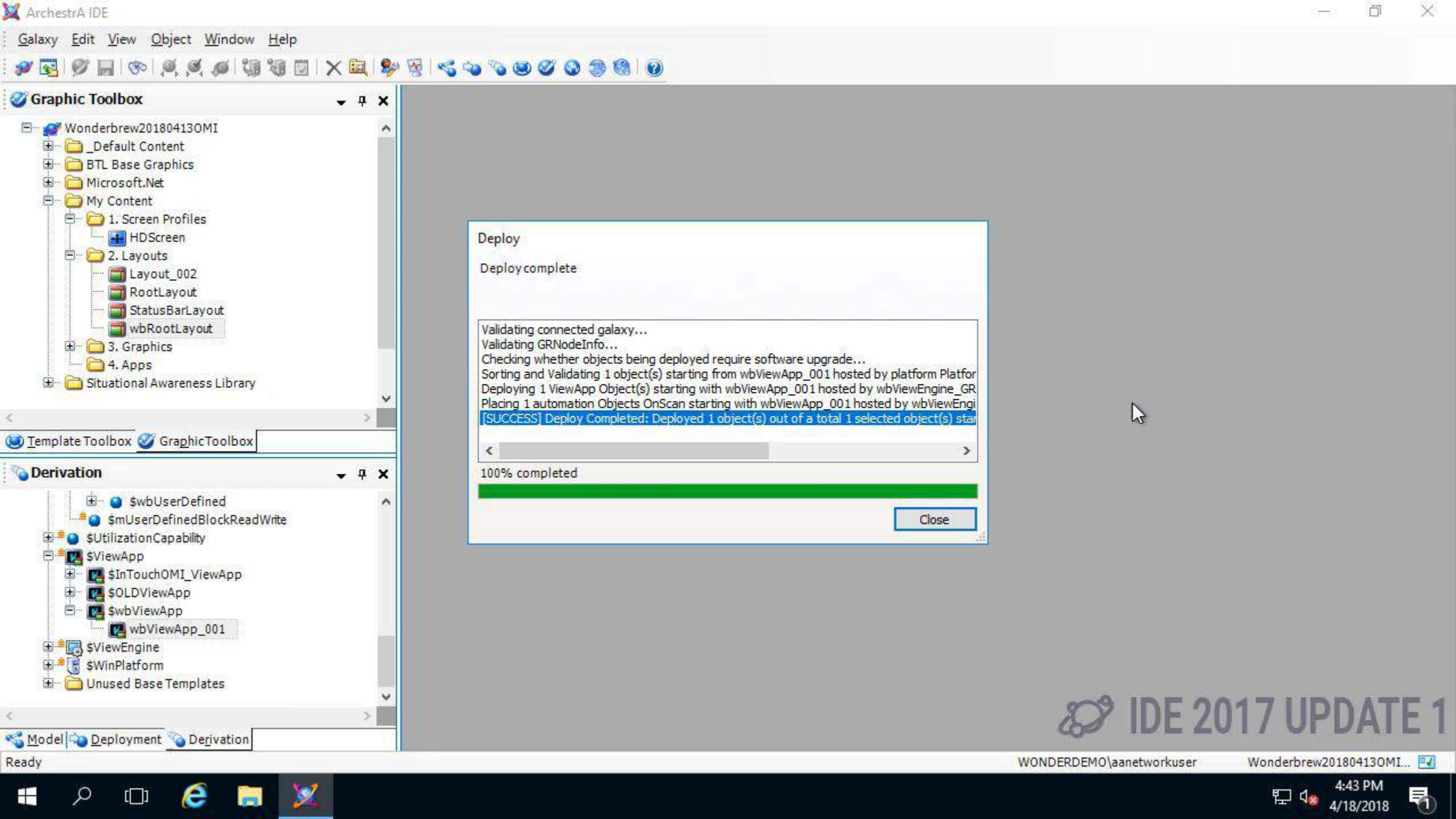
=



ViewApp


ArchestrA IDE
Galaxy Edit View Object Window Help
Graphic Toolbox
Wonderbrew20180413OMI
_Default Content
BTL Base Graphics
Microsoft.Net
My Content
1. Screen Profiles
HDScreen
2. Layouts
Layout_002
RootLayout
StatusBarLayout
wbRootLayout
3. Graphics
4. Apps
Situational Awareness Library
Template Toolbox
GraphicToolbox
Derivation
$mDatabaseConnectionSetup
$mEquipment
$wbEquipment
$BottleLine
$BrewKettle
$Fermenter
$MaltMill
$Mash
$Roaster
$StorageTank
$mWorkStationInfo
Model
Deployment
Derivation
IDE 2017 UPDATE 1
Ready
WONDERDEMO\aanetworkuser
Wonderbrew20180413OMI...
4:40 PM
4/18/2018


ArchestrA IDE
Galaxy Edit View Object Window Help
Graphic Toolbox
Wonderbrew20180413OMI
_Default Content
BTL Base Graphics
Microsoft.Net
My Content
1. Screen Profiles
HDScreen
2. Layouts
Layout_002
RootLayout
StatusBarLayout
wbRootLayout
3. Graphics
4. Apps
Situational Awareness Library
Template Toolbox
GraphicToolbox
Derivation
$mWorkStationInfo
$wbUserDefined
$mUserDefinedBlockReadWrite
$UtilizationCapability
$ViewApp
$InTouchOMI_ViewApp
$OLDViewApp
$wbViewApp
$ViewEngine
$WinPlatform
Unused Base Templates
Model
Deployment
Derivation
IDE 2017 UPDATE 1
Ready
WONDERDEMO\aanetworkuser
Wonderbrew20180413OMI...
6:45 PM
4/18/2018


ArchestrA IDE
Galaxy Edit View Object Window Help
Graphic Toolbox
Wonderbrew20180413OMI
_Default Content
BTL Base Graphics
Microsoft.Net
My Content
1. Screen Profiles
HDScreen
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Layout_002
RootLayout
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wbRootLayout
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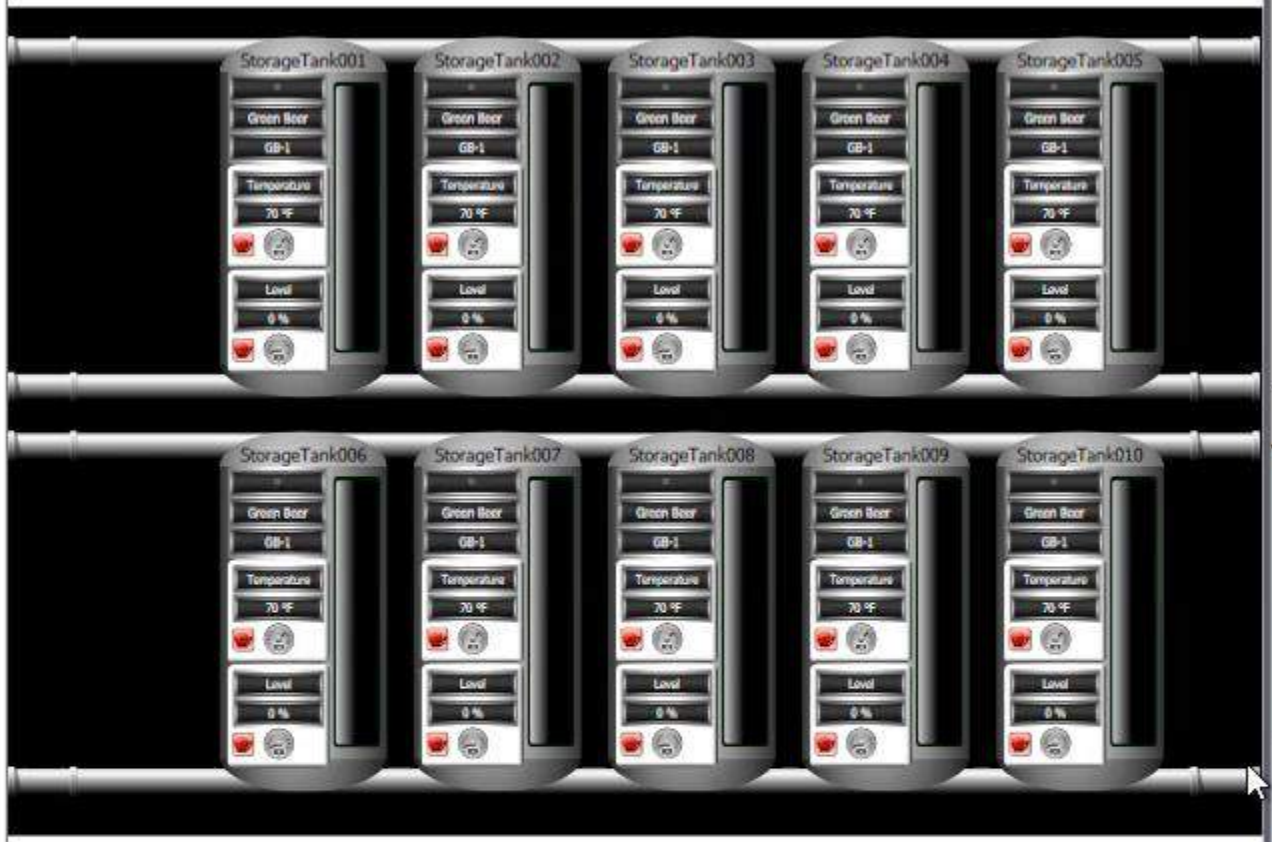
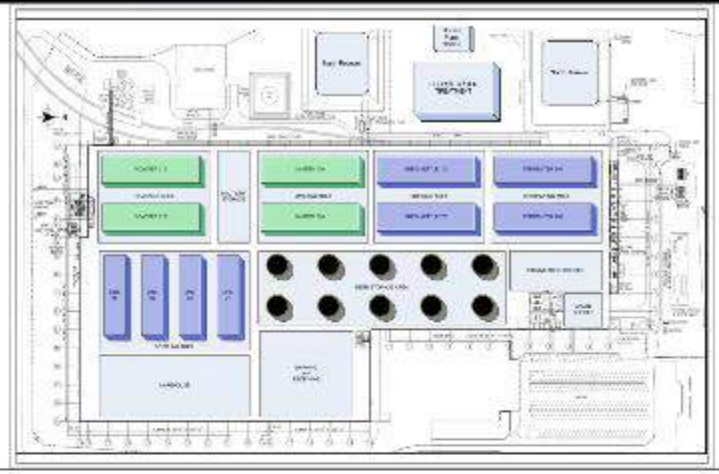
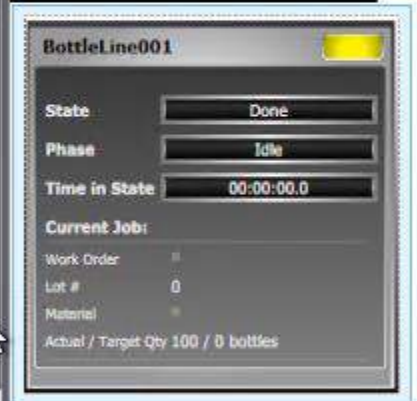
4. Apps
Situational Awareness Library
Template Toolbox
GraphicToolbox
Derivation
$wbUserDefined
$mUserDefinedBlockReadWrite
$UtilizationCapability
$ViewApp
$InTouchOMI_ViewApp
$OLDViewApp
$wbViewApp
wbViewApp_001
$ViewEngine
$WinPlatform
Unused Base Templates
Model
Deployment
Derivation
Deploy
Deploy complete
Validating connected galaxy...
Validating GRNodeInfo...
Checking whether objects being deployed require software upgrade...
Sorting and Validating 1 object(s) starting from wbViewApp_001 hosted by platform Platfor
Deploying 1 ViewApp Object(s) starting with wbViewApp_001 hosted by wbViewEngine_GR
Placing 1 automation Objects OnScan starting with wbViewApp_001 hosted by wbViewEngi
[SUCCESS] Deploy Completed: Deployed 1 object(s) out of a total 1 selected object(s) star
100% completed
Close
IDE 2017 UPDATE 1
Ready
WONDERDEMO\aanetworkuser
Wonderbrew20180413OMI...
4:43 PM
4/18/2018

- BeerStorage
- Bottling
- Brewing
- DryStorage
- Fermentation
- Main
- Mashing
- MountainSpring
- Roasting
- Utilities
- Warehouse





ContentPresenterApp.Co... | InSightApp.InSightChart...



User1	State	Node	Group	Name	AlarmComment	Type	TimeLCT	Limit	Current
2	UNACK_RTN	WONDERBRE...	Roasting	OCO_001.MES.Alarm	Roaster011 MES Error	Software	4/18/2018 3:15:51 PM	true	False

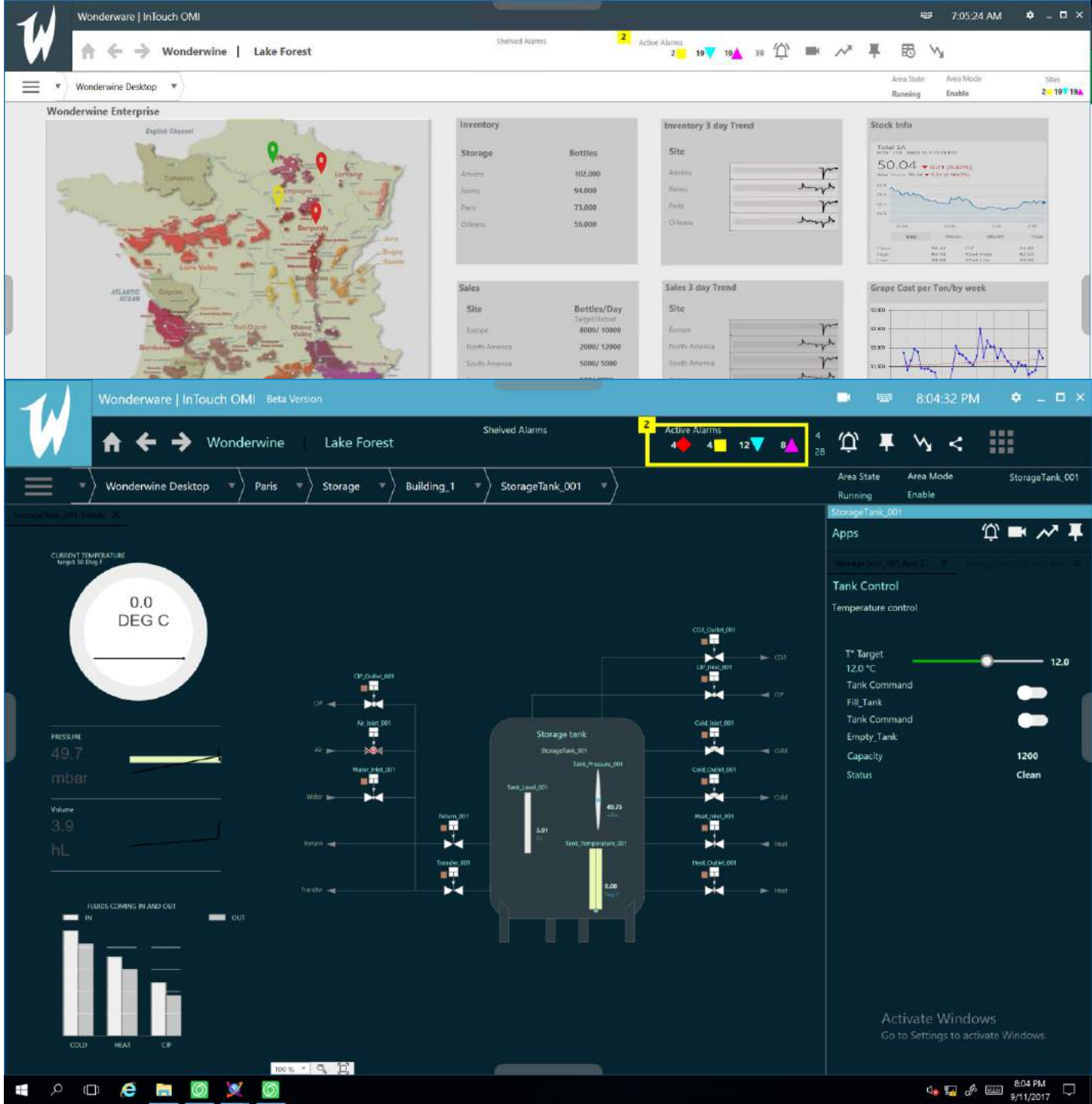
Displaying 1 to 2 of 3 alarms | Query: Default | Filter: | 100% Complete | Coordinated Universal Time

Trends Pens: 15 Minutes | Show Labels

Out-of-Box Runtime UI UX

Zero Scripting Required!

- Based on Studies of various Companies and how Operators interact with systems
- Presenting a best in breed runtime UI/UX to increase Operational Effectiveness
- Easily Rebrand-able
- Multi-Touch and Gestures
- Resolution Independent Vector Graphics
- Multi-Monitor Support
- Navigation Built Automatically



Un-Matched HMI/SCADA Portfolio

Right HMI SCADA for the Right Use
Tailored for Industry, Scale and Reuse
Acceleration of Enhancements Across the Offers

Advancing the Boundaries of Automation

Collaborative Engineering
Expanded Integration
Universal Automation Configuration
NextGen Supervisory for Operations Management

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AVEVA™

Today's Agenda

Logic Wonderware Great Plains
TECH EXPO & CONFERENCE

8:00	Welcome	Dave VanLandingham: ***President of Logic***
8:15	Driving Innovation at Wonderware	Jeff Tapia: ***Wonderware Solutions Architect***
9:15	Visit the Tech Expo	
9:45	Maximizing the value of your operational data	Elliott Middleton: ***Historian Product Manager***
10:45	Visit the Tech Expo	
11:15	More Accessible Data…for the Millennial and the Sceptic	Elliott Middleton: ***Historian Product Manager***
12:15	LUNCH	
1:00	Wonderware InStudio - Development Online	David Anderson: ***Logic Technical Services***
1:30	Managing your 2017 software - new licensing	David Anderson: ***Logic Technical Services***
2:00 - 3:00	Visit the Tech Expo	

Dave VanLandingham

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The Schneider Electric and Life Is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.

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linkedin.com/company/aveva

@avevagroup

About AVEVA

AVEVA is a global leader in engineering and industrial software driving digital transformation across the entire asset and operational life cycle of capital-intensive industries.

The company's engineering, planning and operations, asset performance, and monitoring and control solutions deliver proven results to over 16,000 customers across the globe. Its customers are supported by the largest industrial software ecosystem, including 4,200 partners and 5,700 certified developers. AVEVA is headquartered in Cambridge, UK, with over 4,400 employees at 80 locations in over 40 countries.

aveva.com

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