

# OEE Studio Release Note

## **Version 3.2**

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# What's New in 3.2

- **IMPROVED – SPEED** – due to issues with Microsoft SQL Server (and admitted by Microsoft) we have rewritten our queries to be more responsive and direct. What you gain is speed when using the application! OEE Studio is now 90% faster than it used to be.
- **IMPROVED - Favorites** displayed by screen type. Included ability to **search** for specific reports.
- **NEW – Revert to Default Layout – Pivot Grids** – reverts to the default layout. This is especially useful if you created a new layout and saved it and now want to start over with a new layout.
- **Enhancements–**
  - **Changed Analysis – Loss Pareto to TEEP** and now display the values for each block.
  - **Reports no longer open in modal** – this allows for multiple reports to be open at the same time.
  - **Ignore Data** – ability to select all filtered records and check mark to ignore all at once instead of individually selecting them.
  - **Trends – OEE Year-to-Date** now includes %Runtime, %Setup, %Standby and %Downtime for comparisons.
  - **Trends – OEE Year-to-Date** includes the ability to set a target line.
  - **Added User Strings and User Numbers to the Availability - Tabular Analysis, Grid Analysis, Loss Events: Shift & Parts** screens
  - **Updated pivot grid to Use Summary Values** to perform calculation on reason count, for example. To see how to do this, checkout the Tool-Tip for calculating MTR: [http://debtechsystems.com/downloads/OEE%20Studio-MTBF\\_MTR-ToolTip.pdf](http://debtechsystems.com/downloads/OEE%20Studio-MTBF_MTR-ToolTip.pdf)
- **Bugs Fixed** - Several defects fixed – thanks to all the Bug Hunters out there!
  - **Defect 239: Availability - State Comparison - parts aren't working.**
  - **Defect 238: Line OEE Report - OEE Trend missing axis labels.**
  - **Defect 241: Reverting to default removes hierarchy details from screen.**
  - **Defect 245: OEE Trend misses zero values in the Line OEE and Shift OEE reports.**
  - **Defect248: Dashboard – OEE Trend goes to wrong screen**
- **Updated Website** – More online help - check it out!! [www.oeestudio.com](http://www.oeestudio.com)

# Favorites

Tree-view of all your Favorites. ~~ Searchable and can be deleted

Home

Dashboard

About

**Favorites**

Analysis

Trends

### Saved Favorites

Enter text to search... Find Clear

Title	Date Range		
<b>Screen: Availability - Graphical</b>			
Availability - Graphical	Current Week	X	Show
Lebanon, CT			
Availability - Graphical	Current Week	X	Show
Lebanon, CT			
First Shift, 1004_VFL3			
Availability - Graphical	Current Week	X	Show
Lebanon, CT			
Good Crew Meeting Report			
Downtime Graph Per Line	Current Week	X	Show
Post these at lines daily 2016-4-27			
Downtime Reasons in Decending Order	Current Week	X	Show
Use for DT Reports			
<b>Screen: Availability - Tabular</b>			
Daily Production Report - Lebanon	Current Week	X	Show
1004			
1004_VFL5			
Downtime Losses - by plant = 'None'	Current Week	X	Show
VetiGROUP MFG			
DT Reasons By Plant for MW Region	Current Week	X	Show
Sorted by duration			
Plant 1010 Production State By Line	Current Week	X	Show
Plant 1010 Production State By Line			
<b>Screen: Loss Pareto</b>			
Loss Pareto	Previous 2 Days	X	Show
Lebanon, CT			
<b>Screen: Performance Summary</b>			
Performance Summary	Current Week	X	Show
Lebanon, CT			
<b>Screen: Shift Analysis</b>			
OEE Ranking Report by Plant	Current Week	X	Show
VetiGROUP MFG			
Plant Ranking OEE	Current Week	X	Show
VetiGROUP MFG			
Standard Shift Report	Current Week	X	Show
Standard Plant Shift Report Showing Parts Made and OEE			
Total time vs not scheduled time	Current Week	X	Show
1004			
Total Time vs. Scheduled Time	Current Week	X	Show
Lebanon, CT			
1004			
<b>Screen: Shift Summary Report</b>			
Shift Summary for Cork Boards	Current Week	X	Show
Run for one line at a time. print pgs 1-2 and 7-8			
Shift Summary Report	Current Week	X	Show
Lebanon, CT			

OEE Find Clear

Title	Date Range
<b>Screen: Shift Analysis</b>	
OEE Ranking Report by Plant	Current Week
VetiGROUP MFG	
Plant Ranking OEE	Current Week
VetiGROUP MFG	
Standard Shift Report	Current Week
Standard Plant Shift Report Showing Parts Made and OEE	

# Revert to Default Layout

Select multiple values to chart information

Enterprise Geographic Location Order Type OrderType PlanningPlant Plant Region Type

Availability OEE Performance Quality Drop Column Fields Here

Device	Shift	Grand Total			
		Availability	OEE	Performance	Quality
1004_RSS1	First Shift	62.6	49.7	79.5	100.0
	First Shift WE	0.0	0.0	0.0	100.0
	Gap Shift	9.2	7.3	79.6	100.0
1004_RSS1 Total		32.0	25.5	79.5	100.0
1004_VFL1	First Shift	79.5	58.9	74.1	100.0
	First Shift WE	80.5	61.0	75.7	100.0
	Gap Shift	23.4	14.3	61.0	100.0
	Second Shift	86.3	66.7	77.2	100.0
1004_VFL1 Total		77.1	58.1	75.3	100.0
1004_VFL2	First Shift	80.5	64.5	80.0	100.0

The default layout for the Shift Data and Job Data Pivot Grids always shows Availability, OEE, Performance and Quality.

Select multiple values to chart information

Enterprise Geographic Location Order Type OrderType PlanningPlant Plant Region Type

Percen... Percen... Percen... Percen... Drop Column Fields Here

Device	Shift	Grand Total			
		Percent Run	Percent Down	Percent Setup	Percent Standby
1004_RSS1	First Shift	58.6	23.0	12.0	6.3
	First Shift WE	0.0	97.1	0.0	2.9
	Gap Shift	9.1	78.1	11.9	0.9
1004_RSS1 Total		32.9	52.5	10.8	3.8
1004_VFL1	First Shift	76.4	14.8	4.9	3.8
	First Shift WE	78.2	15.9	3.0	2.9
Gap Shift	8.8	41.4	0.0	40.7	

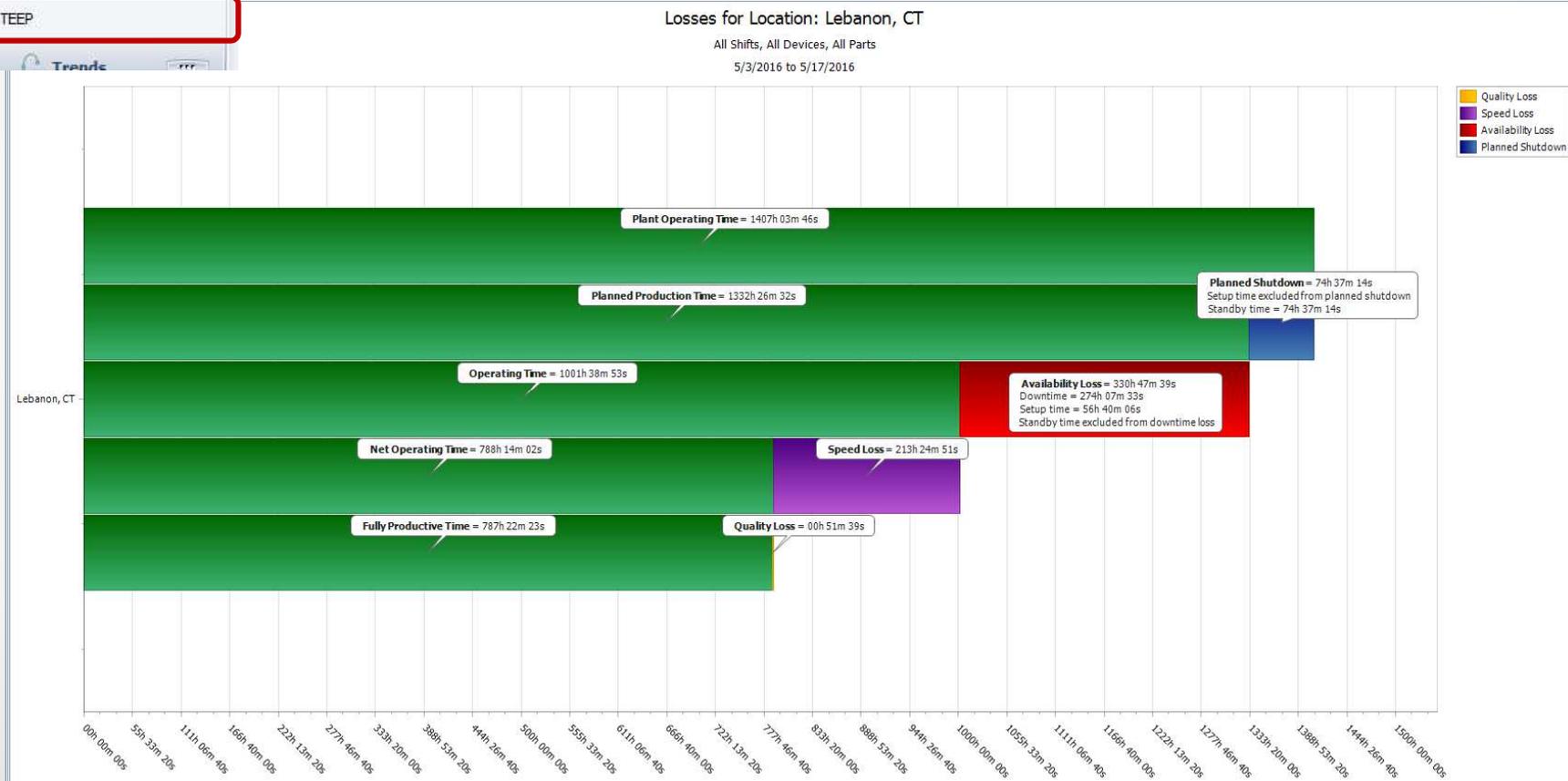
We change the layout.

Then we want to go back to the default layout by clicking on the **Revert to Default Layout**. >>

The screenshot shows the 'Layout' menu with the following options: Set Font, Save Layout, Restore Layout, Revert to Default Layout (highlighted with a red box), Show and Hide Fields, Define Custom Fields, and Print / Export. A status bar at the bottom reads: 'Click here for Printing, Exporting, Field Selection and Layout Settings.'

# TEEP Chart

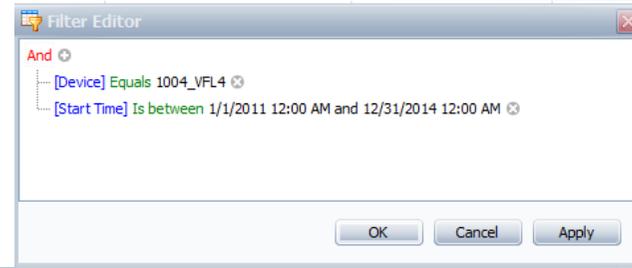
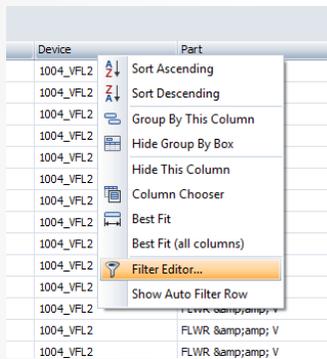
The values making up the chart are displayed within their respective section.



# Ignore Data

Let's say that you want to ignore some bad shift and/or job data in your reports. One reason would be that the sensors were misplaced and the counts are incorrect or the line was in Down state instead of Standby.

For example, we want to ignore data for device 1004\_VFL4 from 01/01/2011 – 12/31/2014 because we were testing the line configuration.



1. <<< Create a filter for display just the data you want to ignore by right-mouse click on the **Device** column heading and choose **Filter Editor**.

**Ignore Data**

Options: Choose Fields, Refresh Data, Filtered Rows, Select All, Unselect All, Apply Changes, Cancel Unapplied Changes

Enter text to search... Find Clear

Drag a column header here to group by that column

Ignore	Interval Name	Type	Start Time	End Time	Device	Part	Reject Count	OEE	Availability	Performance	Quality
<input checked="" type="checkbox"/>	Manual Reset	shift	5/24/2013 12:35 PM	5/1/2013 2:20 PM	1004_VFL4		3	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	<Job Undefined>	job	5/24/2013 12:26 PM	5/1/2013 2:20 PM	1004_VFL4		3	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	Manual Reset	shift	5/1/2013 2:20 PM	5/1/2013 2:23 PM	1004_VFL4		2	0.0 %	5.3 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	<Job Undefined>	job	5/1/2013 2:20 PM	5/1/2013 2:23 PM	1004_VFL4		2	0.0 %	5.3 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	Manual Reset	shift	5/1/2013 2:24 PM	5/1/2013 2:25 PM	1004_VFL4		18	43.7 %	69.0 %	100.0 %	63.3 %
<input checked="" type="checkbox"/>	<Job Undefined>	job	5/1/2013 2:24 PM	5/1/2013 2:25 PM	1004_VFL4		18	43.7 %	69.0 %	100.0 %	63.3 %
<input checked="" type="checkbox"/>	<Job Undefined>	job	5/1/2013 2:55 PM	5/2/2013 5:50 AM	1004_VFL4		0	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	Shift Undefined	shift	5/1/2013 2:55 PM	5/3/2013 7:00 AM	1004_VFL4		0	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	<Job Undefined>	job	5/2/2013 5:50 AM	5/3/2013 3:30 PM	1004_VFL4		0	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	First Shift	shift	5/3/2013 7:00 AM	5/3/2013 3:30 PM	1004_VFL4		0	0.0 %	0.0 %	0.0 %	0.0 %
<input checked="" type="checkbox"/>	Second Shift	shift	5/3/2013 3:30 PM	5/4/2013 12:00 AM	1004_VFL4		0	0.0 %	0.0 %	0.0 %	0.0 %

2. <<<< Click on the **Select All** button.
3. Click on the **Apply Changes** button. >>>>

# OEE Year To Date

Set your target and compare OEE or its components over time or by hierarchy.  
 << Compare different production states over time.

Analysis

Trends

OEE

OEE Trend

**OEE Year To Date**

OEE Shift (By Device)

OEE Part (By Device)

OEE Device

Availability

Time & Frequency

Performance

Quality

Avail

Show

OEE

Availability

Performance

Quality

%Runtime

%Standby

%Setup

%Downtime

Data Indicators

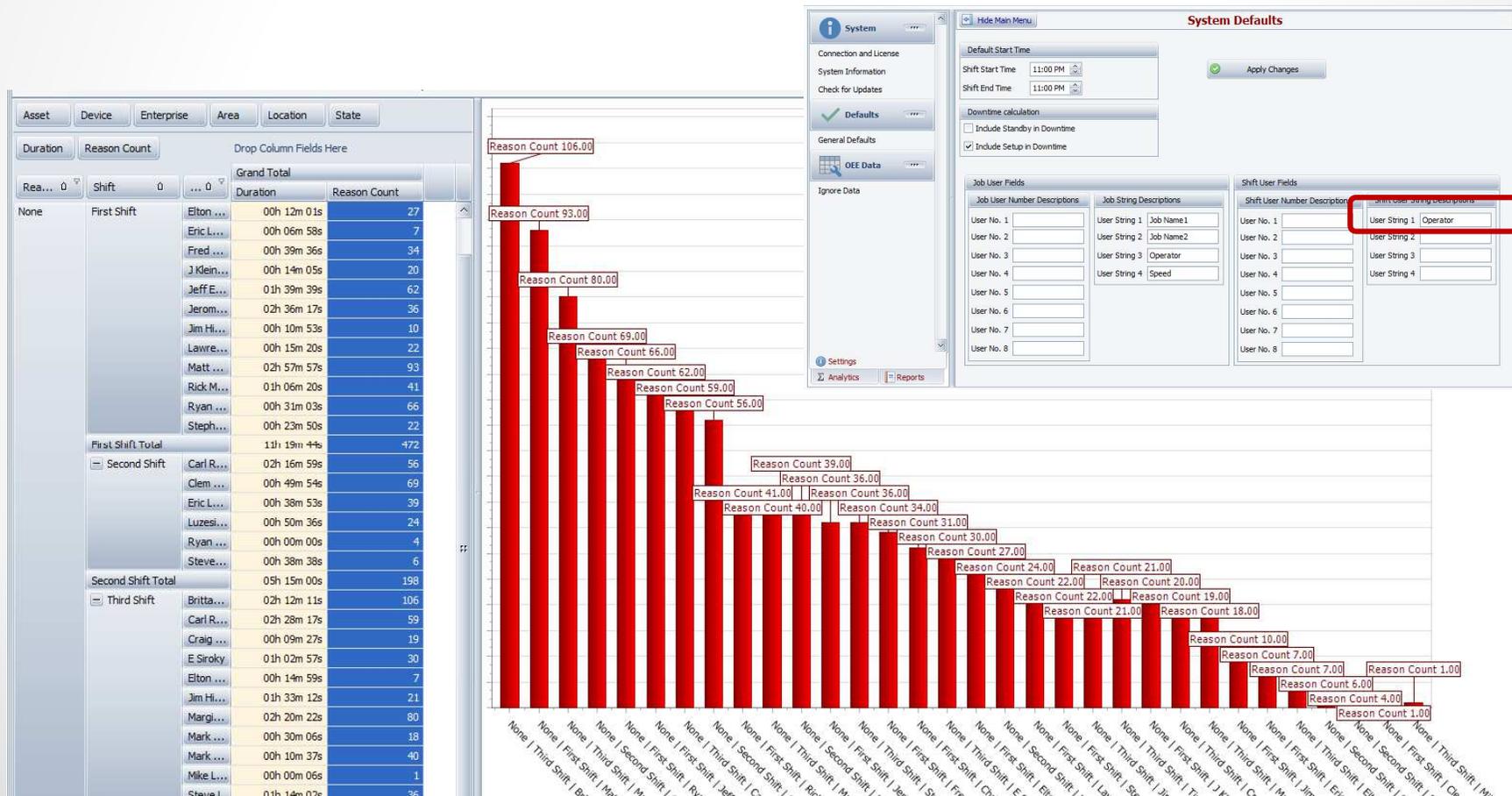
Show Target line 50 %



# User Strings & Numbers in Availability Reports

Let's say that you wanted to have a report that shows you which operators have the most occurrences of NONE in a given time period.

This assumes that you have programmed your Vorne XL to store the operator name in a User String.



# OEE Studio v 3.2

In order to support the new Vorne v1.3.x firmware, you must upgrade to the latest

**XL Bolt-on Data Collector version 1.8.4**

<http://www.sulzerconsulting.com/downloads/vorne/XL Bolt-On Data Collector.zip>

**Version 3.2 of OEE Studio supports all versions of Vorne XL device firmware.**

## Smart Installation

<http://oeestudio.com/installs/release/v3/setup/InstallOEEStudio.exe>

If you have questions or need assistance, please contact either

Debbie Olk (OEE Studio, OEE Alert or custom reports)

Debbie.olk@debtechsystems.com

or

Jim Sulzer (XL Bolt-On Data Collector).

jim@sulzerconsulting.com

# OEE Studio v3.2

OEE Studio version 3.2 is available for upgrade.

If you have an older version that was manually installed, please uninstall that version of OEE Audit before installing this version of OEE Studio. This can be determined by looking at the bottom right of the OEE Audit software.



## Smart Installation

<http://oestudio.com/installs/release/v3/setup/InstallOEEStudio.exe>

- The OEE Studio installation manual is available for downloading on our new website – <http://www.oestudio.com/toolbox.html>

# Contact Us

- As the Vorne Authorized Reporting Consultants, we provide customized reporting solutions, including working with data from your ERP/MRP systems.
- In addition to customized reporting, we provide support and customization for the **OEE Studio** reporting software (designed specifically for the data captured from the Vorne XL devices).
- We also provide sales, support and customization for **OEE Alert**. ([www.OEEAlert.com](http://www.OEEAlert.com))

OEE Studio, OEE Alert and XL Bolt-On Data Collector are part of the Marketing brand of

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