

Visualization

Data is viewed in Info360 primarily through either Charts or Dashlets.

Click the link below for details about specific topics:

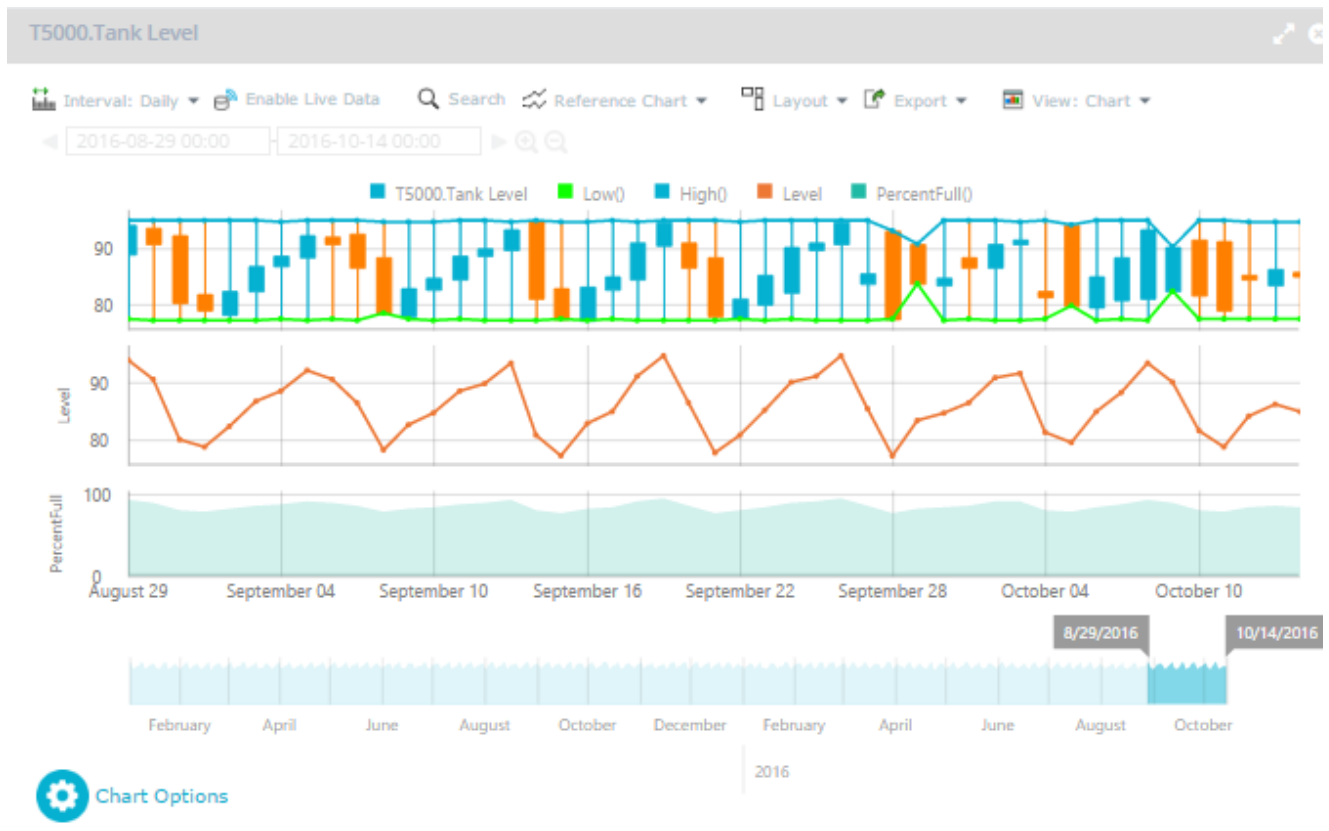
- [Charts](#)
- [Access](#)
 - [The Chart Tab](#)
 - [Selecting any sensor from the Map View](#)
- [Interface](#)
- [Dashlets](#)
- [Access](#)
- [Interface](#)

Charts

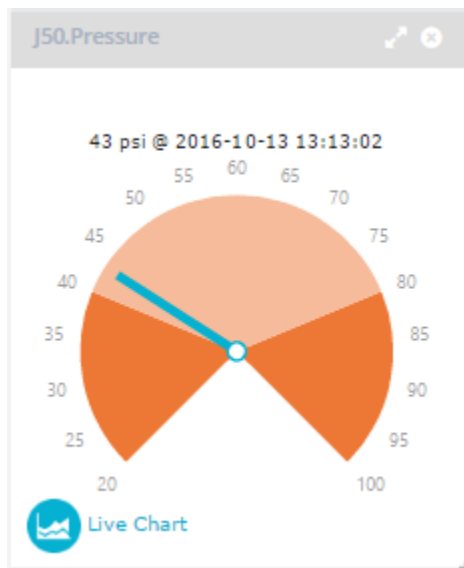
Charts are a quick way to visualize and interact with data from sensors. For more information, refer to [Charts](#).

There are four types of Charts available in Info360:

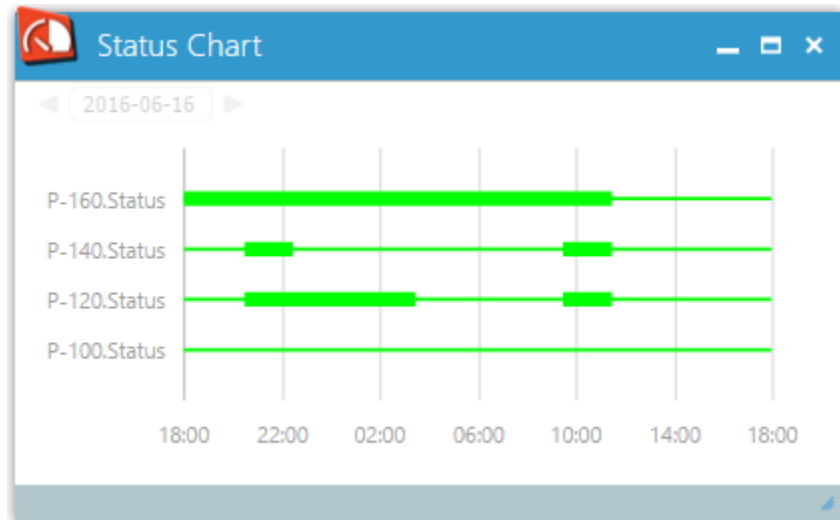
Historical Chart - The default chart displays a timeseries of data in an interactive interface



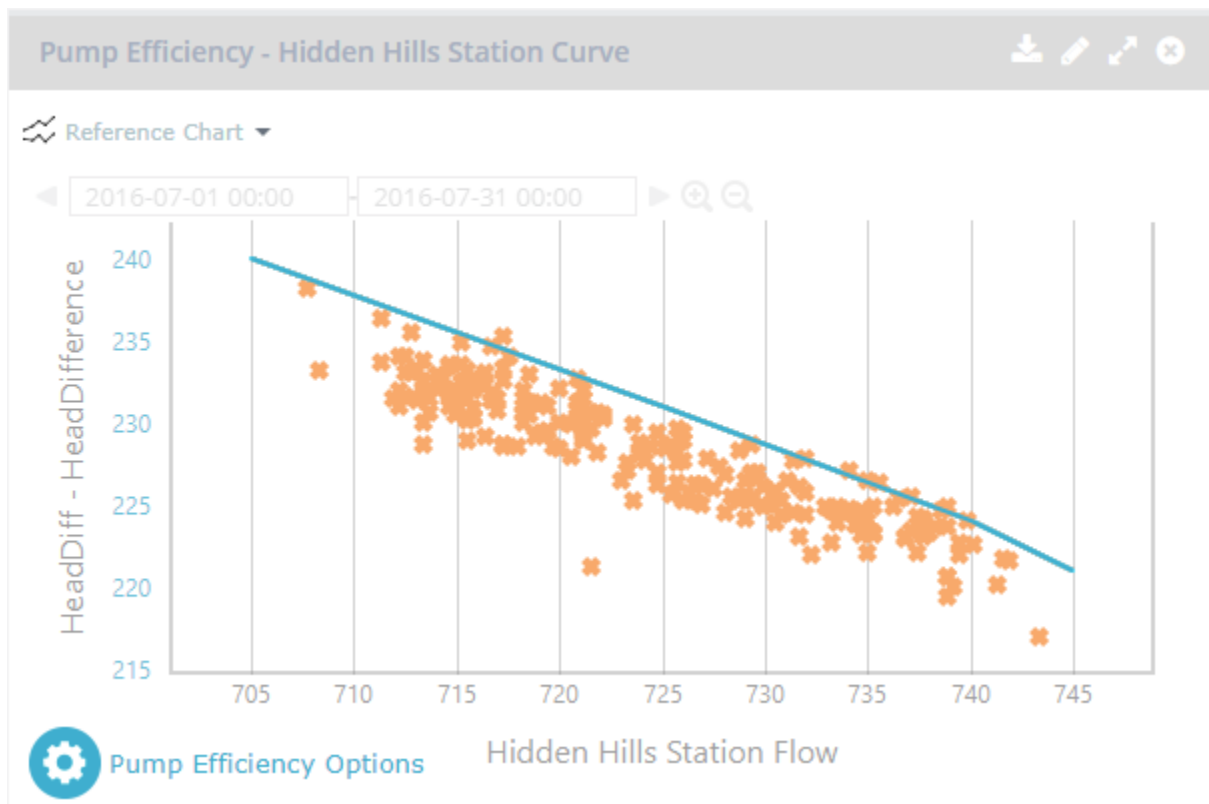
Gauge Chart - Gauge Charts show a current snapshot of the latest sensor reading relative to a pre-set scale



Status Chart - Status Charts show the status of a group of sensors over a 24 hour period



Pump Efficiency Chart - Pump efficiency curves show where the pump is operating along its pump curve for a selected window of time.



Access

Unlike other features in Info360, Charts are not saved and stored within the Command Center. Instead, Charts can be quickly created for any sensor in two ways:

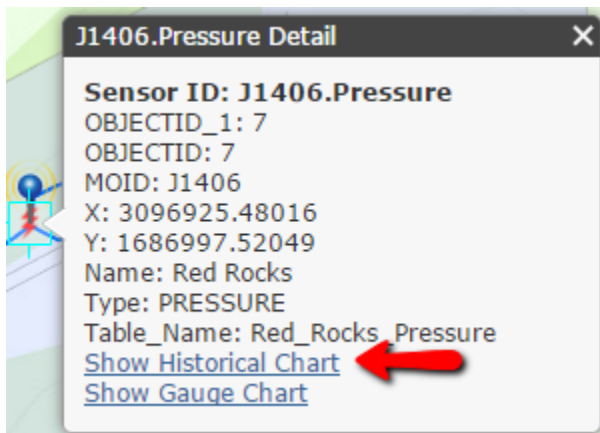
The Chart Tab

The Chart tab in [Command Center](#) is a tool to create charts from scratch for any sensor.

This tab gives access to configuration tools explained in the links below.

Selecting any sensor from the Map View

Click any sensor on the map to open its information window. From here, links give access to create a Historical or Gauge Chart.




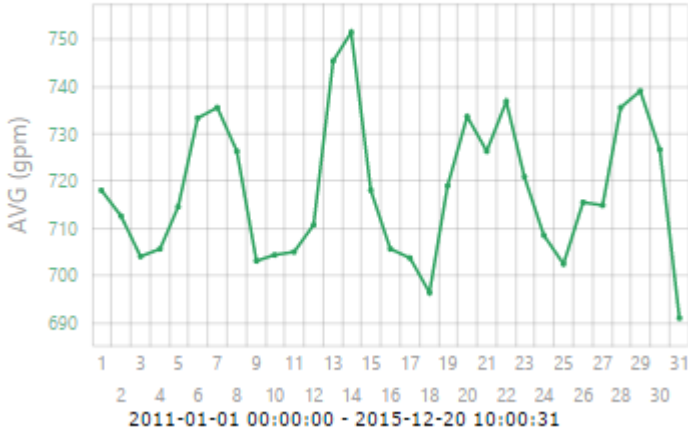
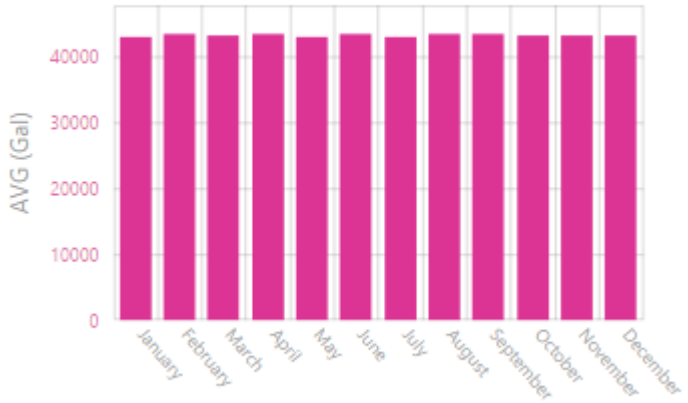
Interface

The following pages provide information for using each of the Chart and Gauge user interface windows:

- [Historical Chart Configuration](#)
- [Gauge Chart Configuration](#)
- [Reference Chart Style](#)
- [Status Charts](#)
- [Sensor Group Watcher](#)
- [Pump Efficiency Curve](#)

Dashlets

Info360 Dashlets are customizable visual tiles that can display network information in a range of formats. For more information, refer to [Dashlets](#).

Type	Description
<p>Chart</p> 	<p>Displays a timeseries of the selected sensor or group of sensors. Functions can be applied to the timeseries of data to display a variety of output data, such as a simple flow rate sensor could be used to plot the average total flow per month over the past year. For more information, refer to Dashlets-Chart.</p> <div data-bbox="350 611 1073 667"> <p>Flow on 12965 ↻ ✎ ↶ ✖</p> </div> <div data-bbox="350 674 1073 1165"> <p>Flow on 12965</p>  <p>2011-01-01 00:00:00 - 2015-12-20 10:00:31</p> </div> <div data-bbox="350 1171 1073 1228"> <p>Volume Thru 12965 ↻ ✎ ↶ ✖</p> </div> <div data-bbox="350 1234 1073 1728"> <p>Volume Thru 12965</p>  <p>2011-01-01 00:00:00 - 2015-12-20 10:00:31</p> </div>

Table

Displays a table of the specified sensor's timeseries data. For more information, refer to [Dashlets-Table](#).

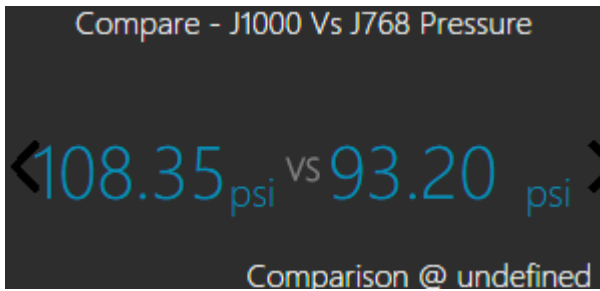


DAY OF WEEK	VALUE
Sunday	105.38
Monday	105.32
Tuesday	105.39
Wednesday	105.36
Thursday	105.36
Friday	105.31
Saturday	105.38


1/1/2013 00:00:00 - 1/1/2014 00:00:00

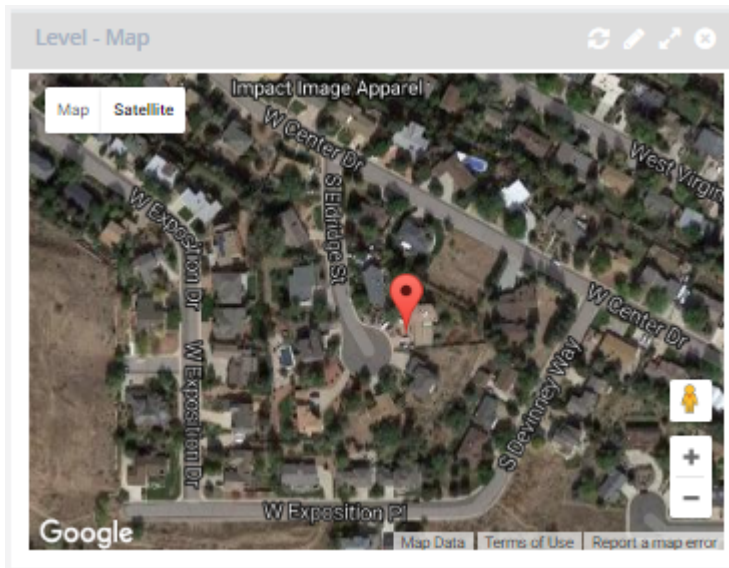
Comparison

Displays a window with readings of the two compared sensors. Arrow buttons at sides of window can switch the displayed time of measurement. For more information, refer to [Dashlets-Comparison](#).



Map

Displays an adjustable Google map with indicators at the selected sensors. Click and drag the  icon to access Google street view. For more information, refer to [Dashlets-Map](#).



Alert



Displays a table of Alerts that can be organized to sort either by Sensor or by Alert Category. For more information, refer to [Dashlets-Alert](#).

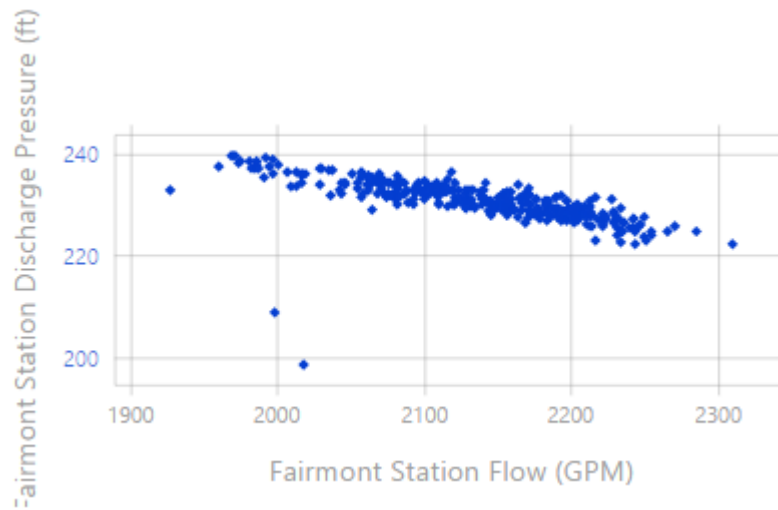
Alert_Date_Sensor			
Date Time	Sensor ID	Alert Level	Reason
Alert Count		48	
2016-10-13 14:37:33	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 14:35:16	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 14:30:40	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 14:27:10	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 14:13:36	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 14:08:00	J50.Pressure	4	(Close() < 40) or (Close() > 80)
2016-10-13 13:49:23	J50.Pressure	4	(Close() < 40) or (Close() > 80)

2016-10-12 14:49:33 - 2016-10-14 14:49:33

Scatter



Displays a scatter plot for comparing two sensors as x and y coordinates. This can be used to view how a pump is performing along its pump curve. For more information, refer to [Dashlets-Scatter](#).












External

Displays content from an external site. This can include a variety of applications from weather feeds or videos. For more information, refer to [Dashlets-External](#).

Broomfield - Weather

Weather for Downtown Boston More at [Dark Sky](#)

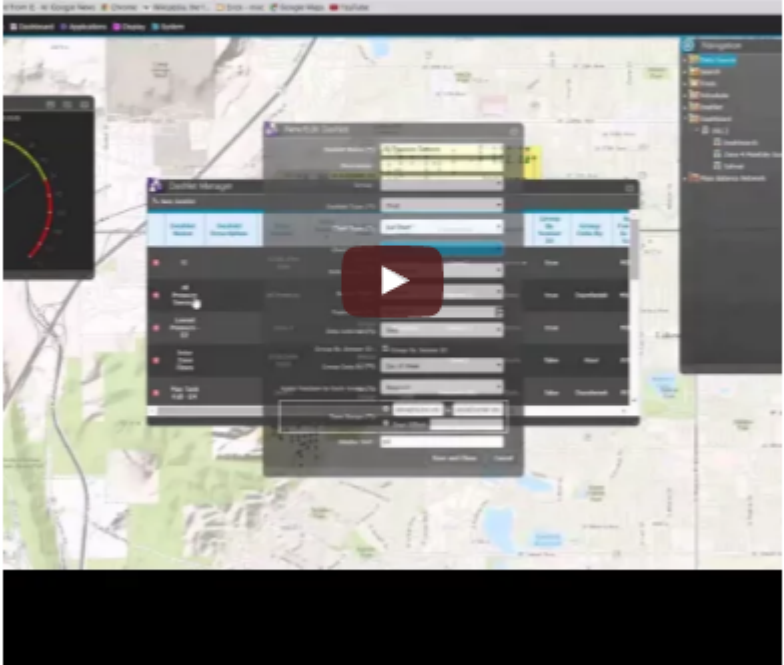
 **26°**
and falling
Clear
Wind: 8 mph (W)

Today	Thu	Fri	Sat	Sun	Mon	Tue	Wed
							
26° 17°	17° 11°	22° 14°	20° 8°	12° 5°	15° 7°	11° 4°	11° 5°

Coastal Flood Statement for Suffolk, MA

YouTube - SCADAWatch

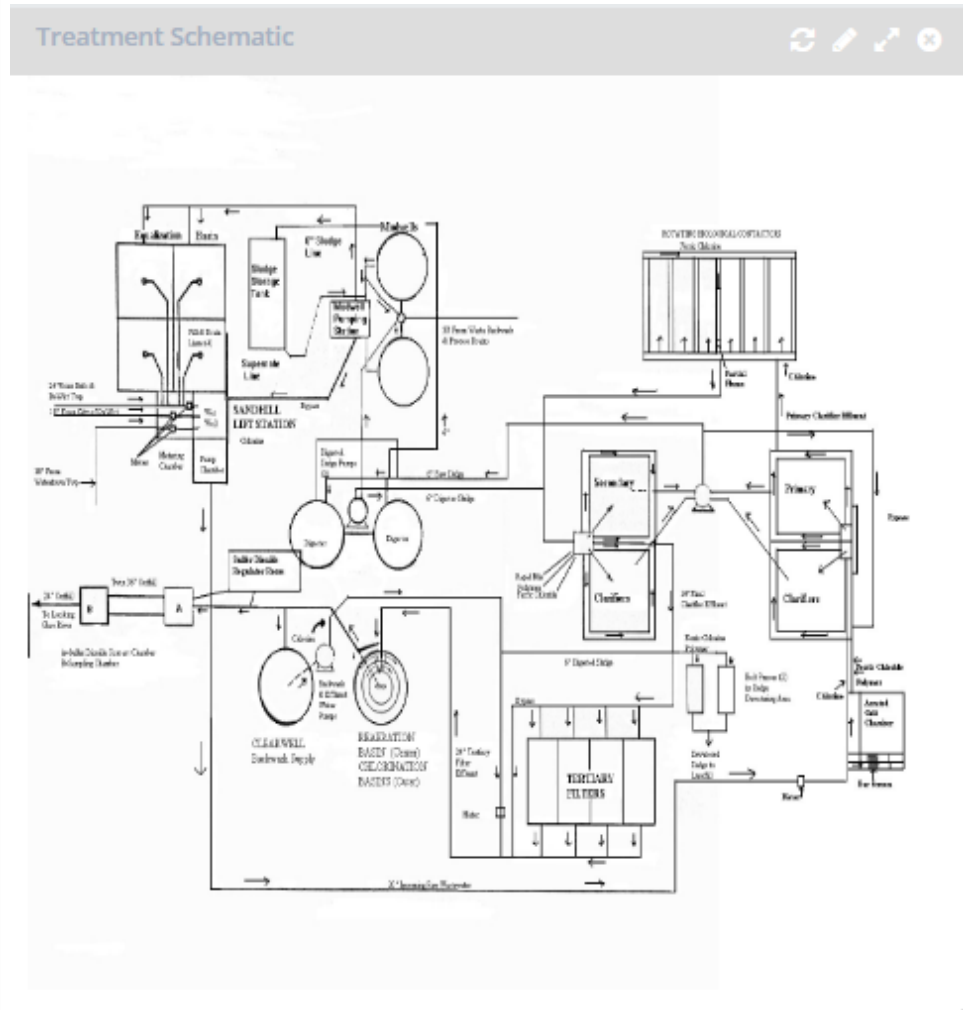
SCADAWatch V2.5 Demo (Feb 12, 2015)



The video thumbnail shows a SCADAWatch V2.5 demo interface. It features a map of a geographical area with several data windows overlaid. One window is titled 'Device Manager' and contains a table with columns for 'Device Name', 'Device ID', 'Status', and 'Location'. Another window shows a 'Data Table' with columns for 'Time', 'Value', and 'Unit'. The interface is dark-themed with light-colored text and icons.

Image/PDF

Displays an image or PDF file. This can be used to display schematics, as-built drawings, etc. For more information, refer to [Dashlets-Image](#).



Rich Text

Allows you to add free-form texts to a workspace. This could be a caption to a chart or Biz Block, or static texts describing the workspace. For more information, refer to [Dashlets-RichText](#).

New/Edit Dashlet

Dashlet Name(*):

Description:

Group:

Dashlet Type(*):

Normal

This is a very important graph

It gives us information about the **sensor**

I may even include general text as part of a report.

- Multiple formatting is supported
- WE have a few font options too

Access

Dashlets can be created or edited from the Dashlet tab in the [Command Center](#).

Interface

For information on the setup and configuration, refer to the [Dashlets](#) page.