Module 3

Project Development

IPFUSION

Project Scenario

Project Scenario

- Create a project using:
  - Milestone Cameras
  - OnGuard Doors
  - Harding Intercoms
- Connect to system hardware
- Configure Maps and Display Layouts
- Set up Workstations

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New Project Wizard

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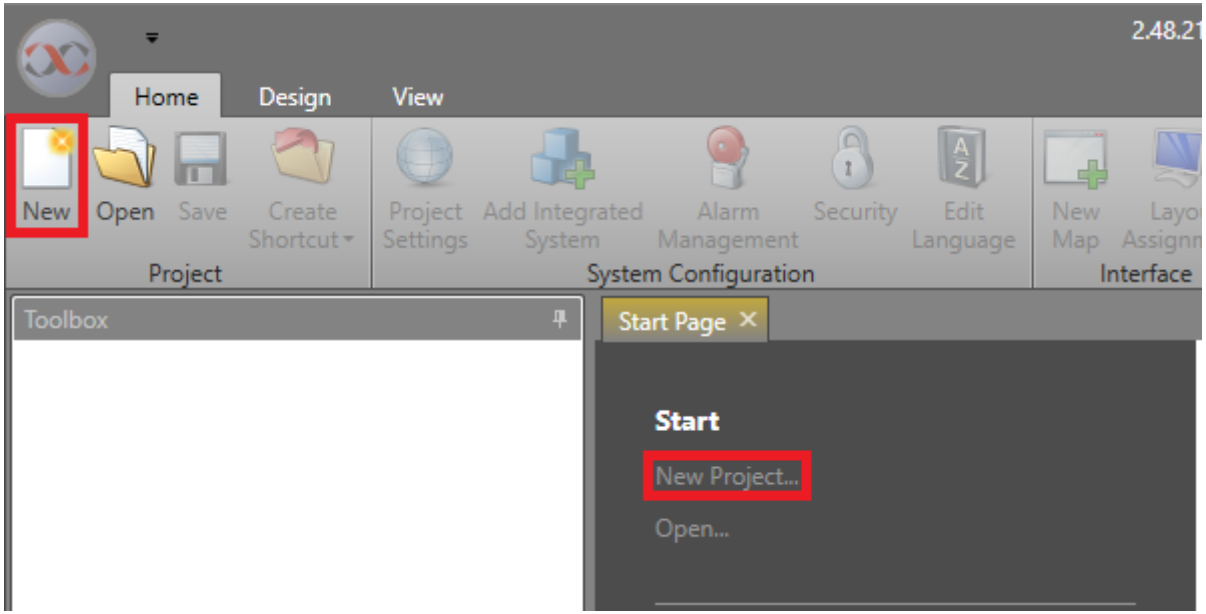
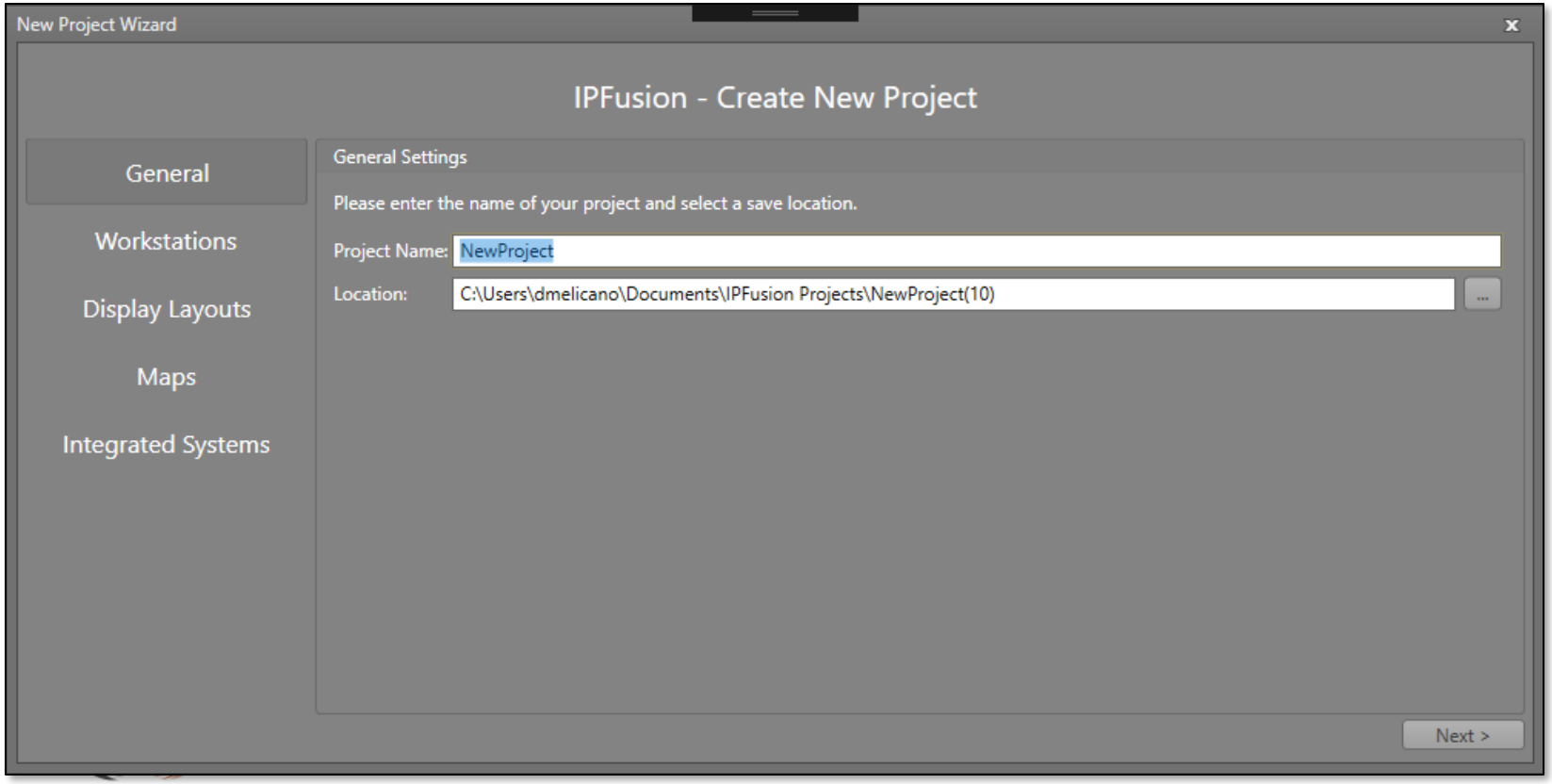
New Project Wizard – New Project

- Create a new project



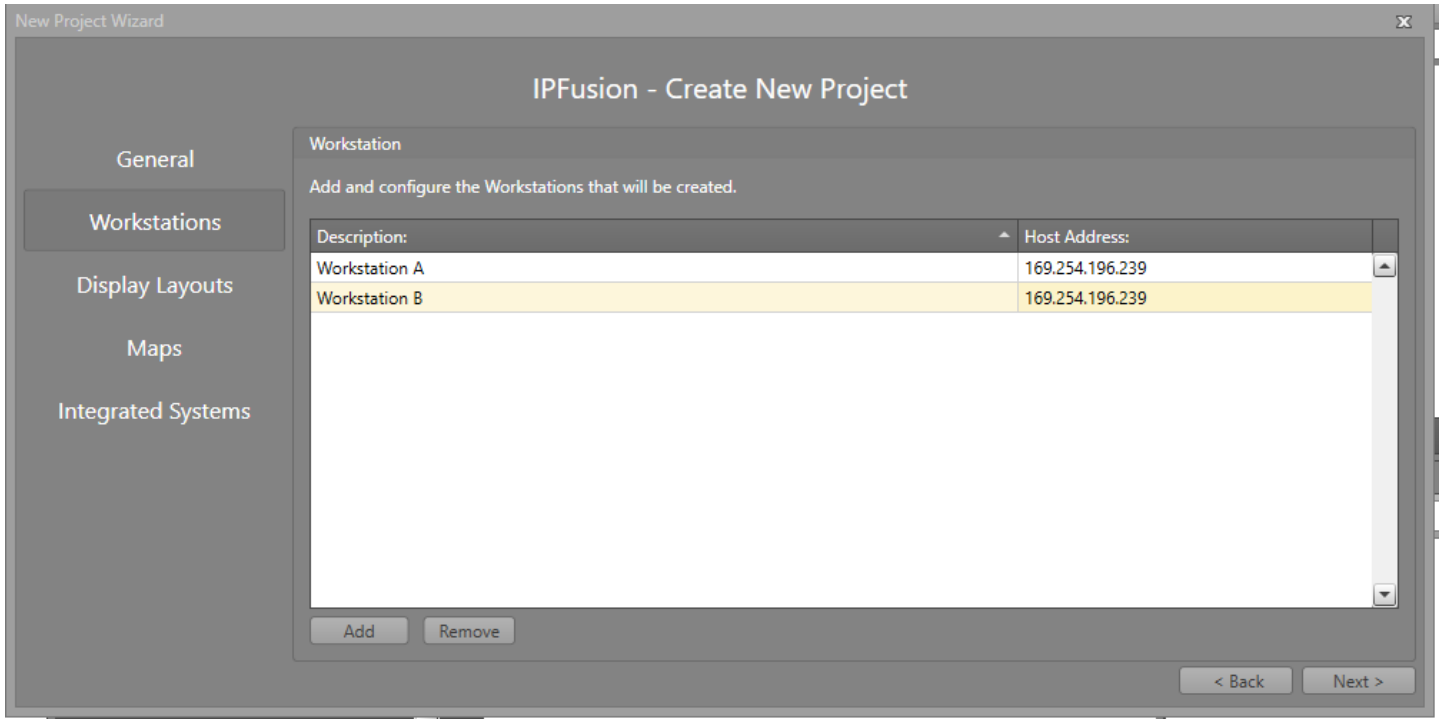
New Project Wizard – General

- Enter project name
- Enter project location



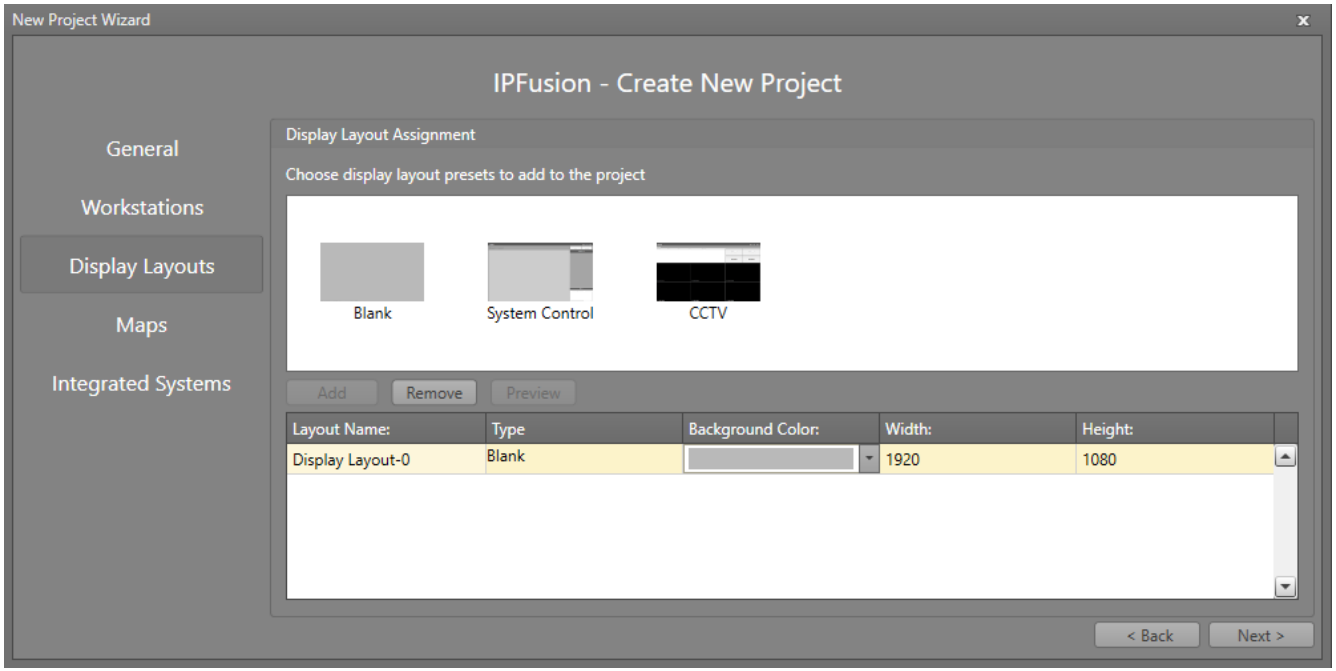
New Project Wizard – Workstations

- Add Workstations to the project
- Configure Workstation description and host address.



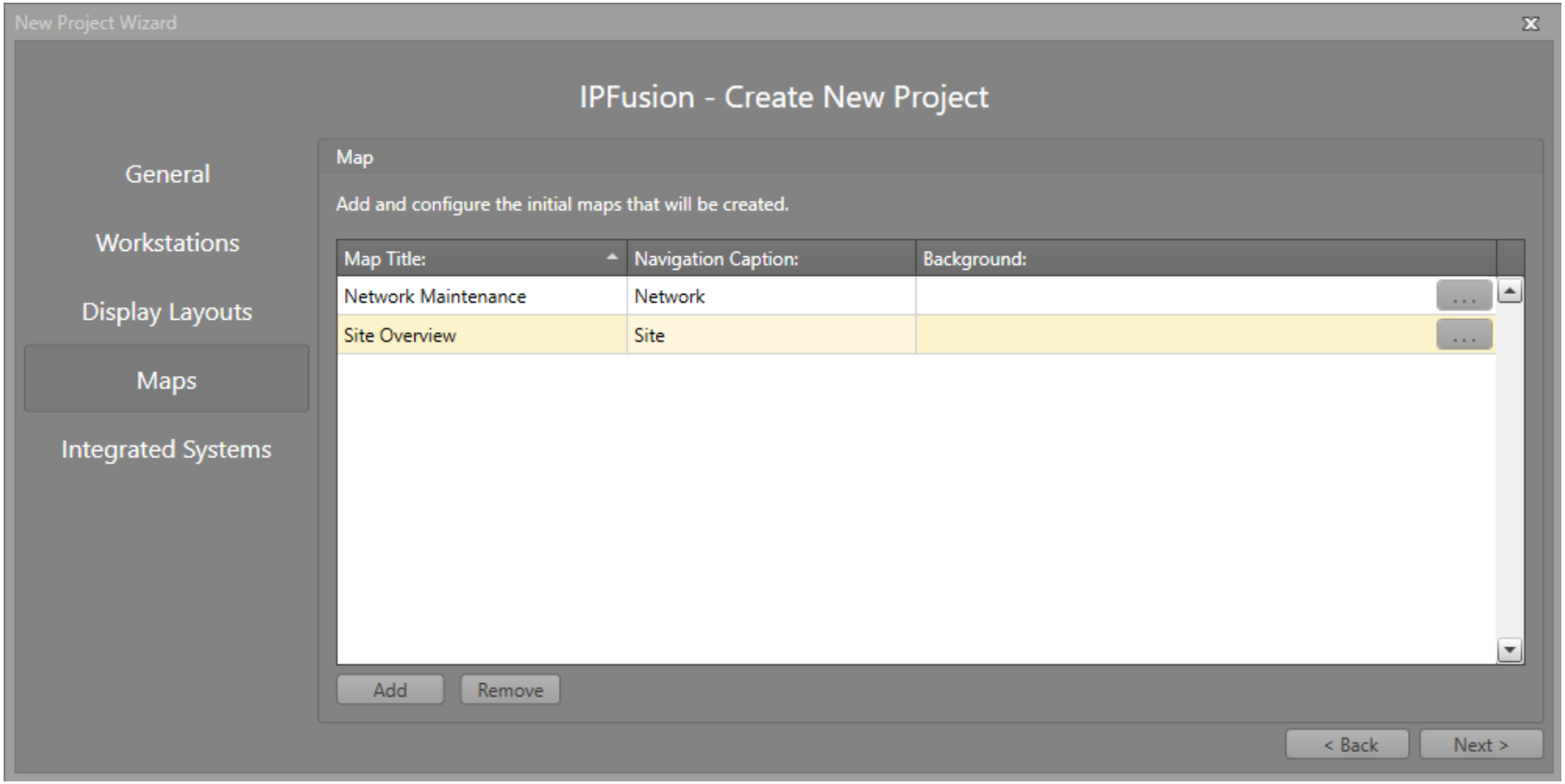
New Project Wizard – Display Layouts

- Select a preset format to add. You can preview the layout as well.
- Declare Display Layouts and provide them with a template



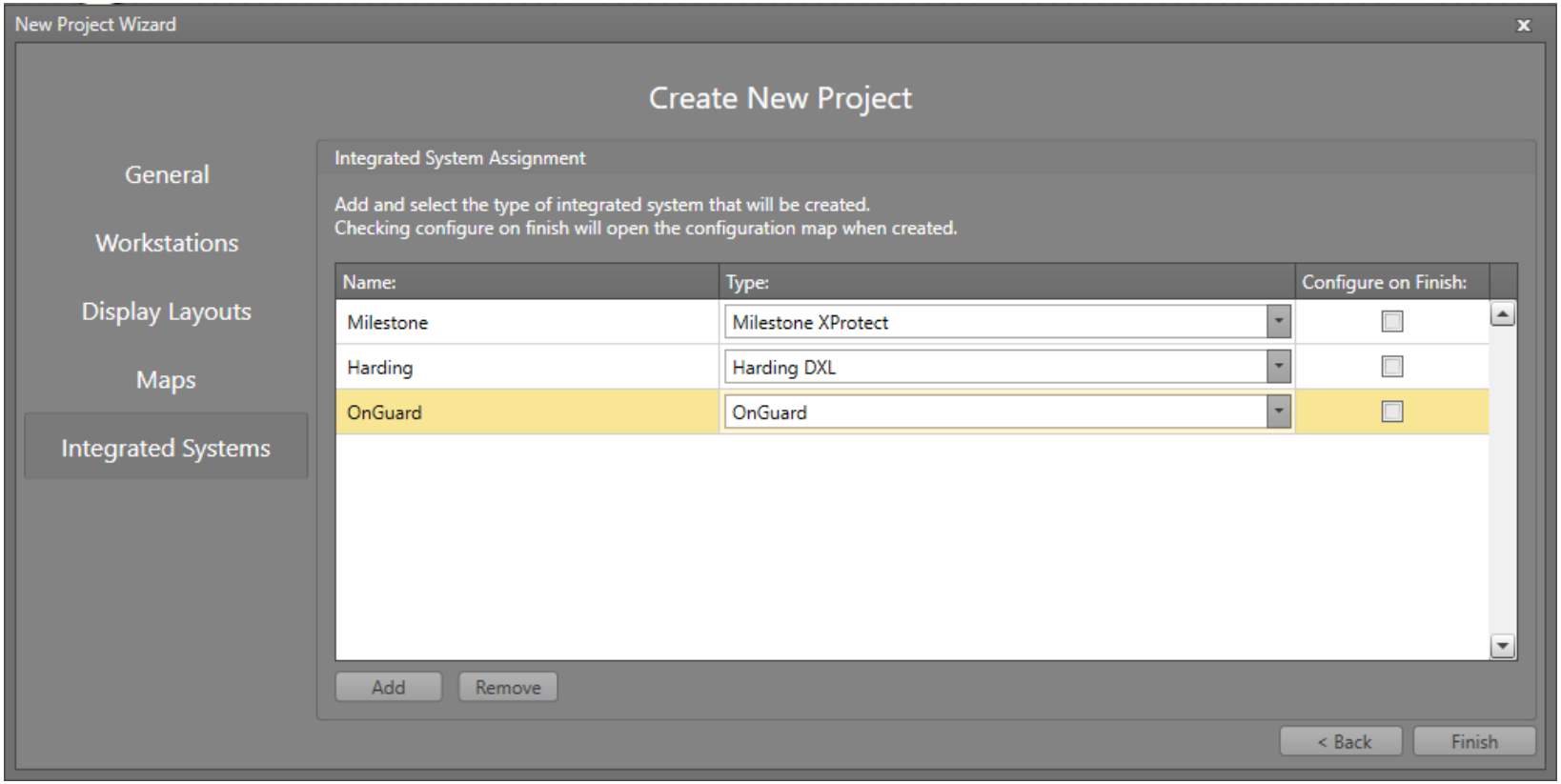
New Project Wizard – Maps

- Add Maps to the project
- Configure general Map settings (Map Title, Navigation Caption, Background Image)



New Project Wizard – Integrated Systems

- Add integrated systems to the project.
- Choose whether to configure systems after project creation.



Configure Display Layouts

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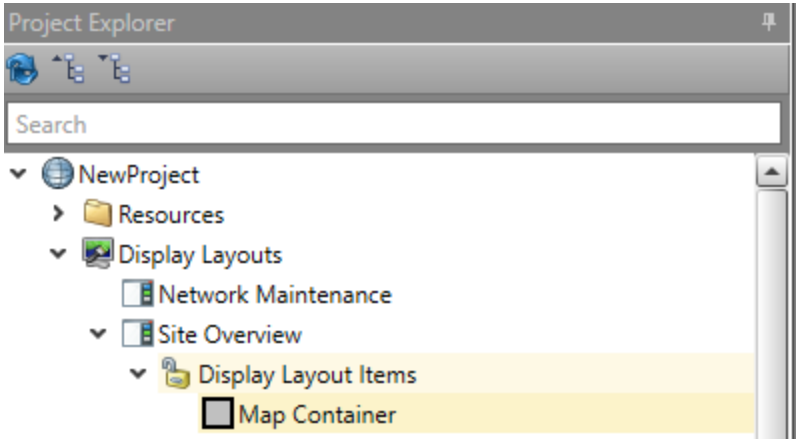
Configure Display Layouts – Basics

- The different display layout presets contain various items.
  - The “Blank” layout however only has a Map Container Item.



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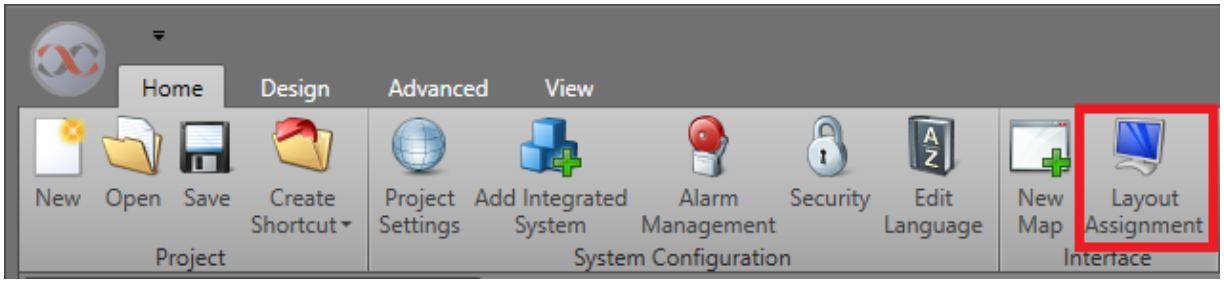
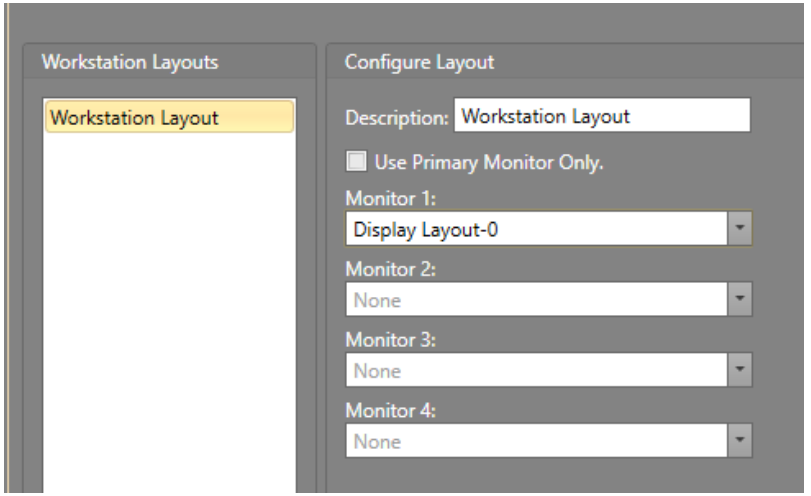
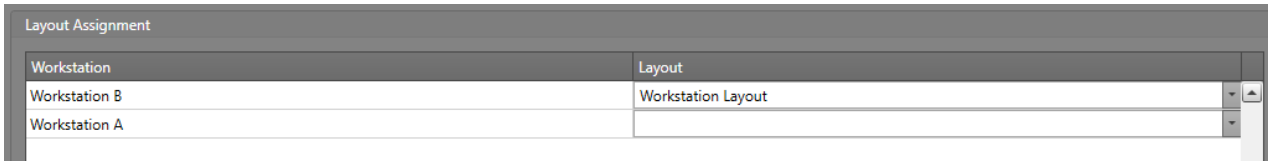
Configure Display Layouts – Layout Assignment

- Open **Layout Assignment**
- In **Layout Configuration** set the display layouts to be used by each monitor or just use the primary monitor
- In **Layout Assignment,** set the layouts for each Workstation per specifications







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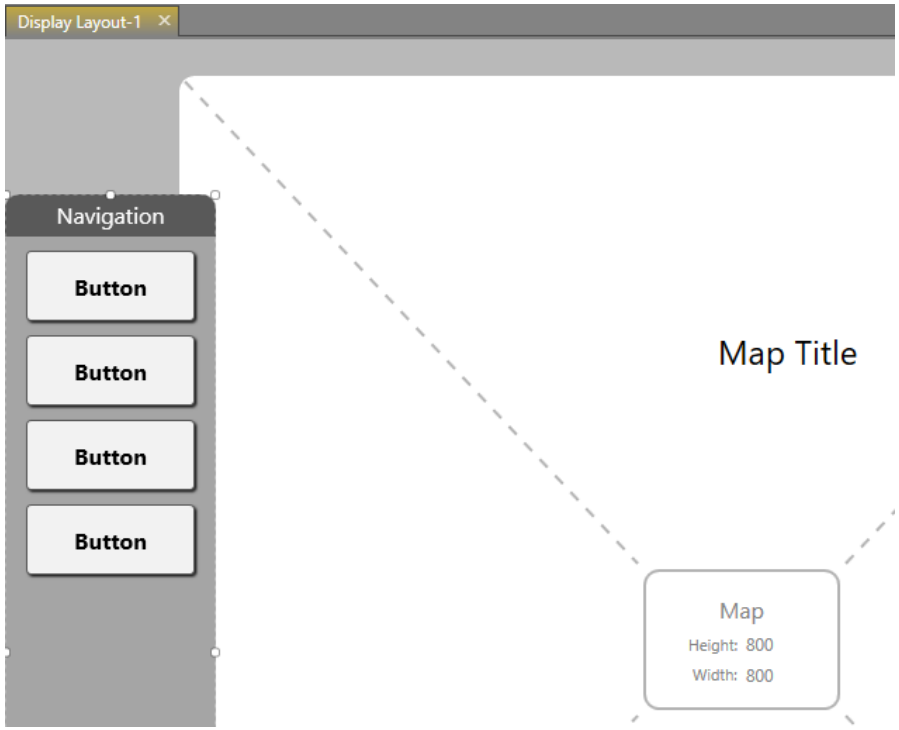
Configure Display Layouts – Navigation

- Link Navigation Item to a Map Container via Properties
- Navigation is set per Navigation Item
- Configure Navigation Item's **navigation paths** with the **Properties > Button Schemes Configuration > Navigation Wizard**



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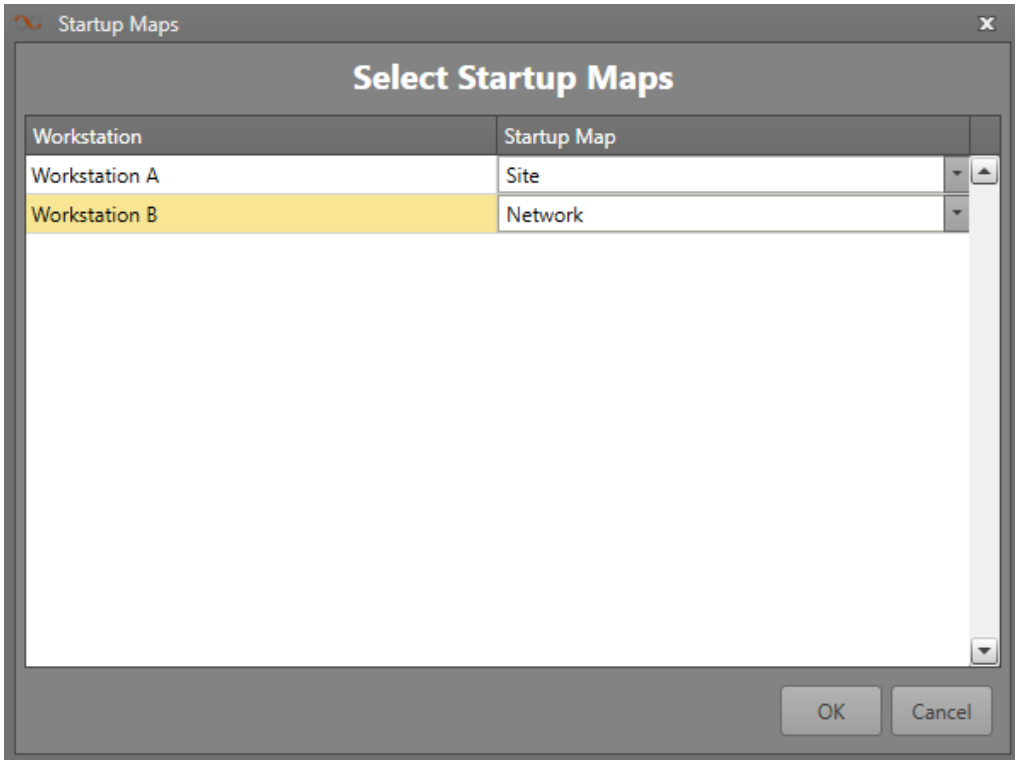
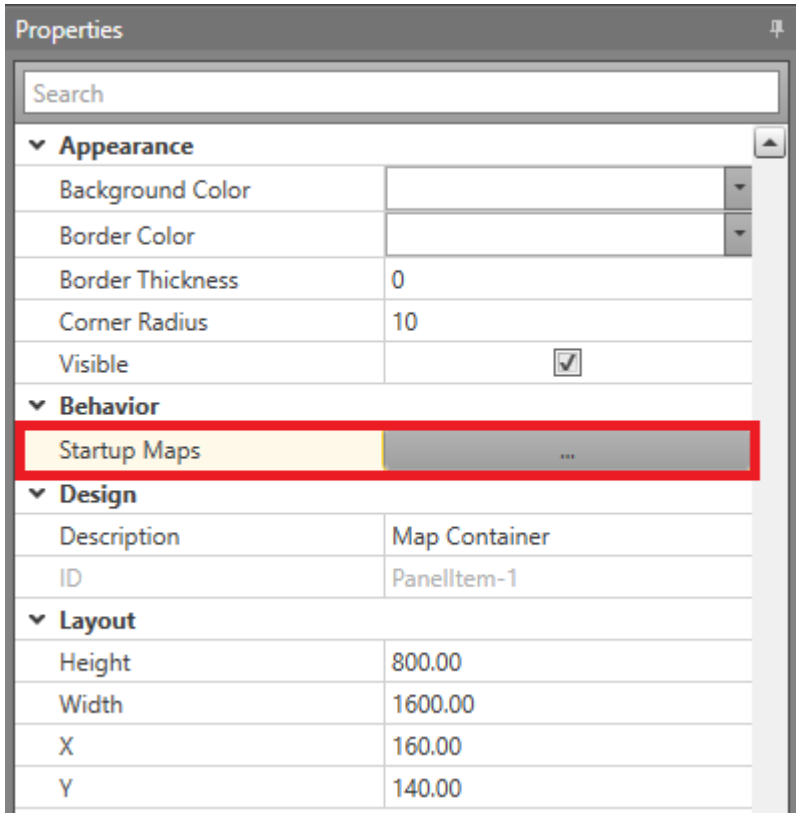
Configure Display Layouts – Startup Map

- Set Startup Map per Map Container within the Map Container's Property (**Startup Maps**)





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Configure Maps

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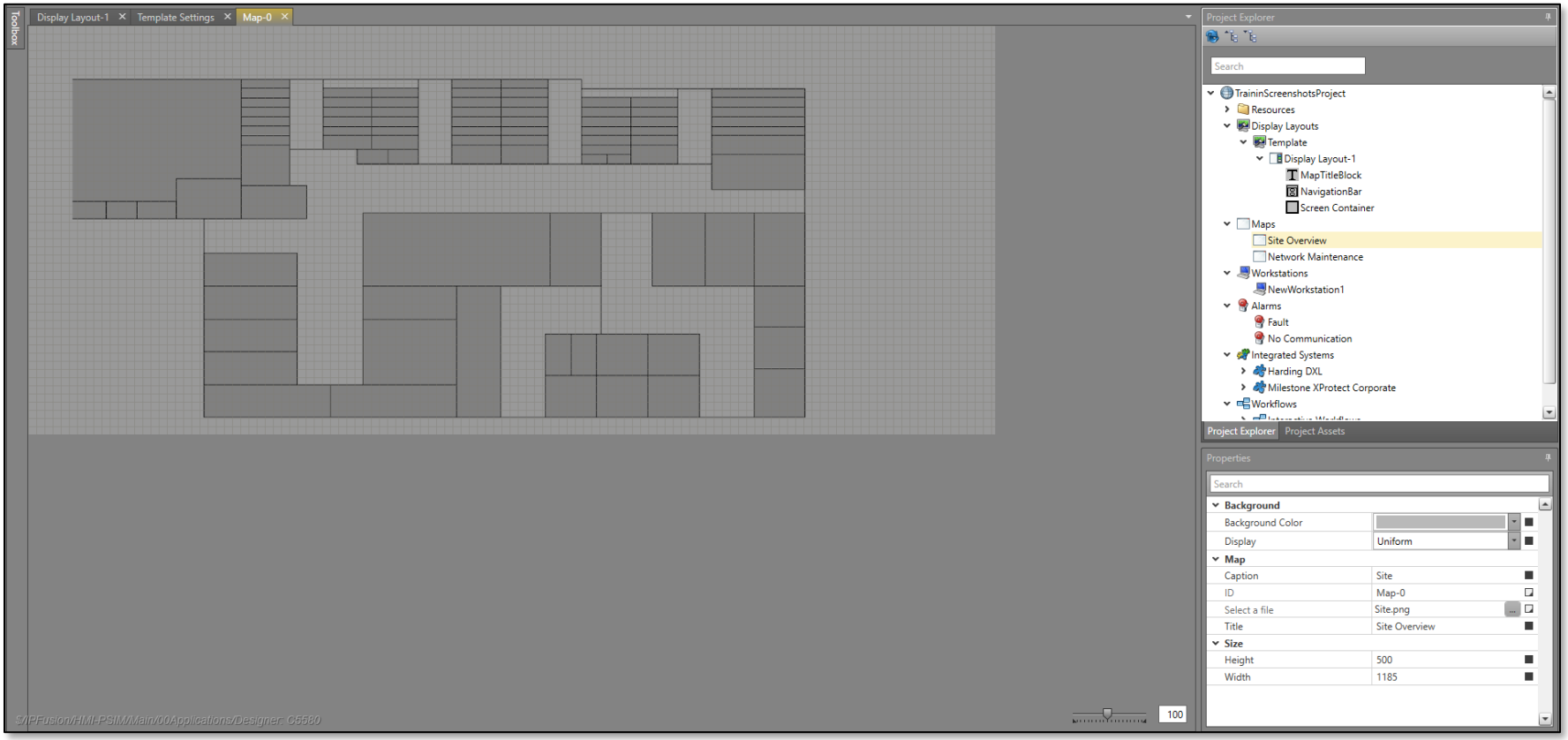
Configure Maps

- Set width and height of both maps per specifications



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Add Assets

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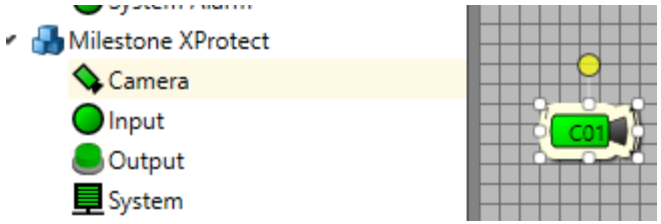
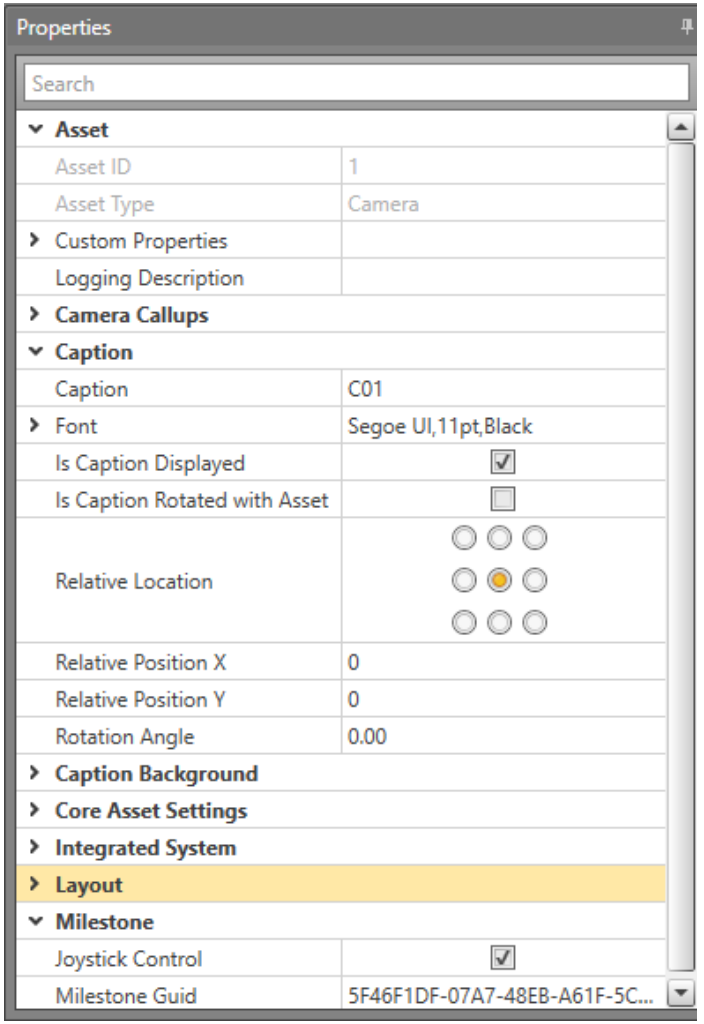
Add Assets – Milestone Camera

- Drag Milestone cameras from toolbox to screen
- Configure properties

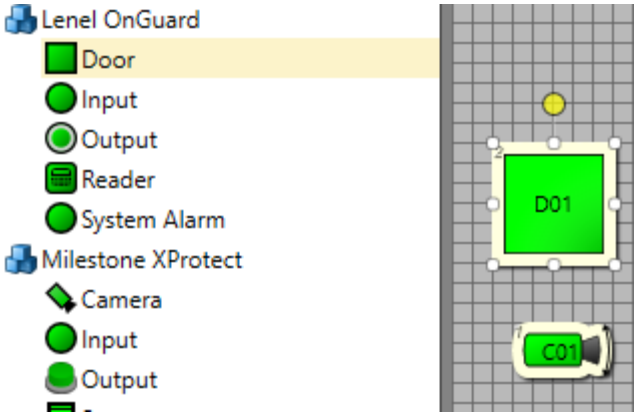


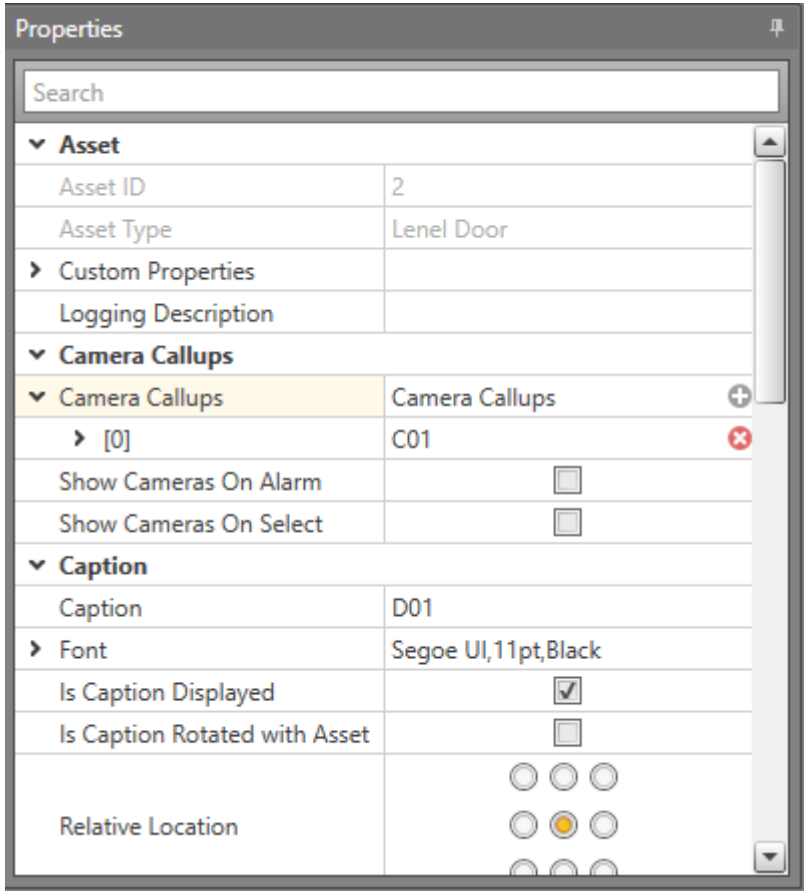


IPFUSION

Add Assets – OnGuard Door

- Drag OnGuard Door from toolbox to screen
- Configure properties
- Choose a camera for camera callup





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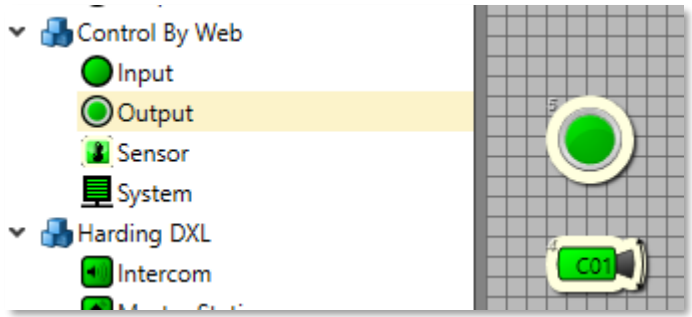
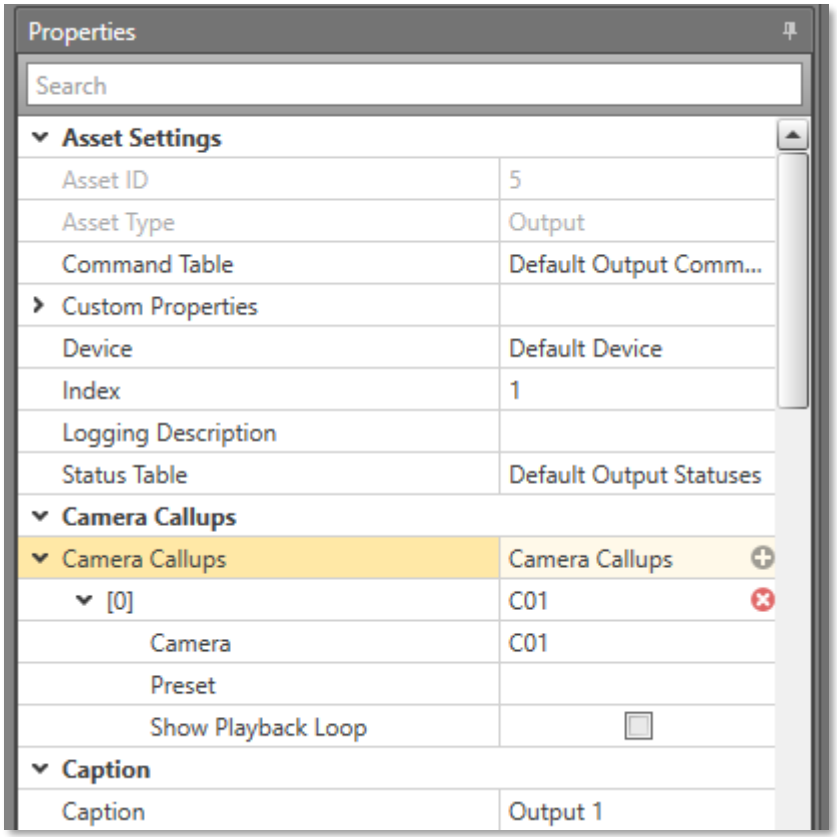
Add Assets – Control By Web I/O

- Drag Inputs/Outputs from toolbox to screen
- Configure properties
- Choose a camera for camera callup





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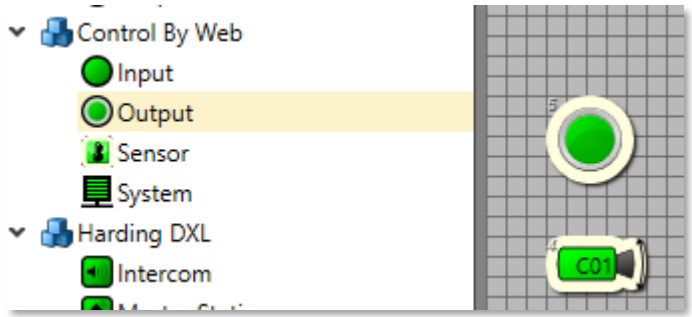
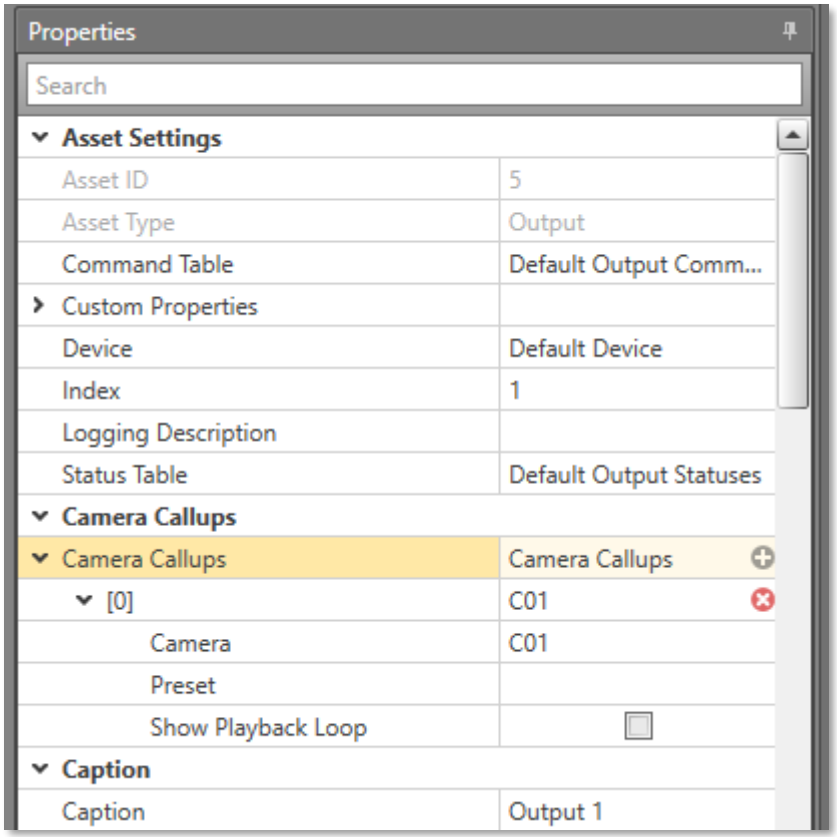
Add Assets – Twilio Phone

- Drag Twilio Phone from toolbox to screen
- Configure properties
- Add your phone number to Destination Phone Number





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Configure Integrated Systems

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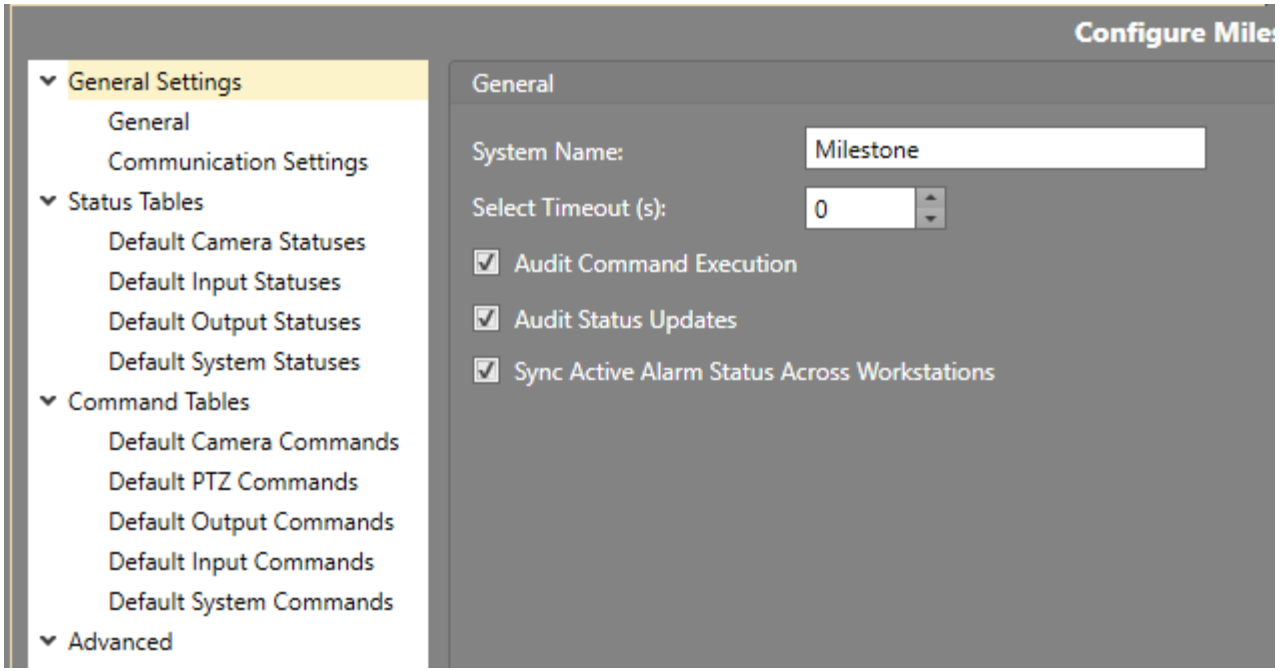
Integrated Systems — General

- Configure general settings per project specifications
- Set select timeout to 0 seconds for each system
- Turn on audit command execution and audit status updates for each system



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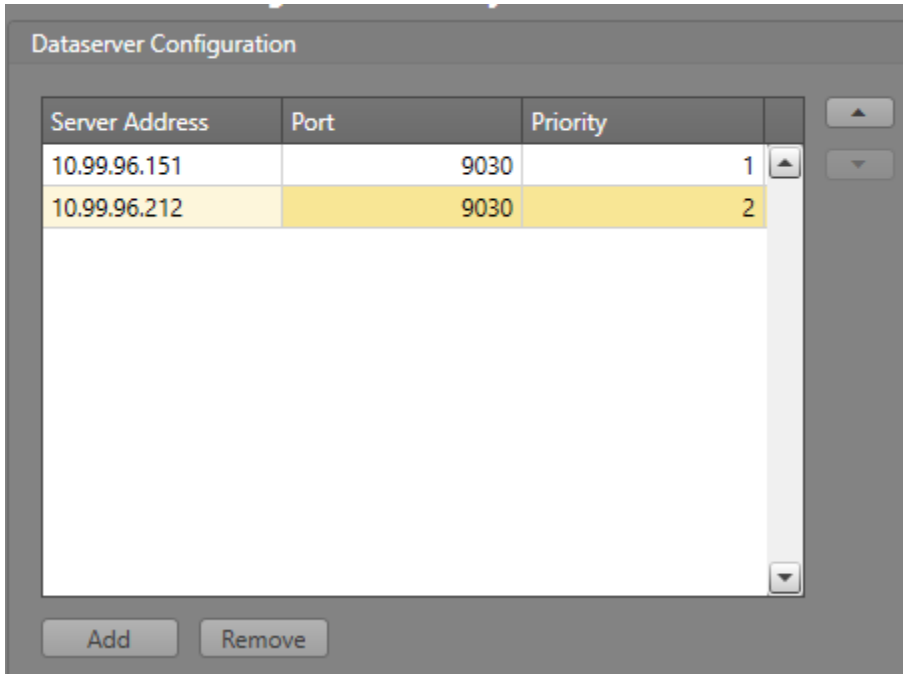
Integrated Systems – IPFusion Data Servers

- Input Data Server settings as per Specifications



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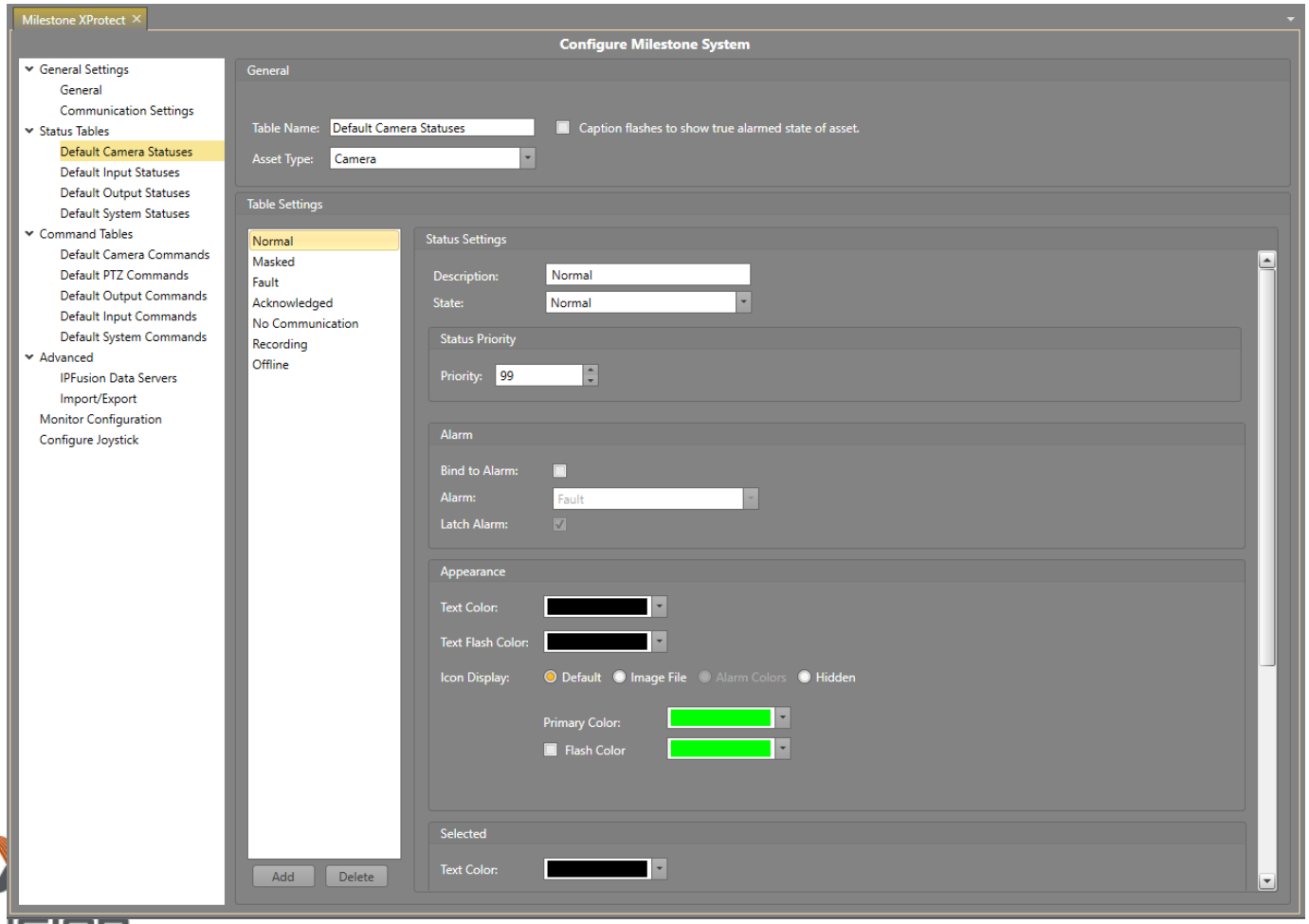
Integrated Systems – Status Tables

- Leave status tables as defaults for each system



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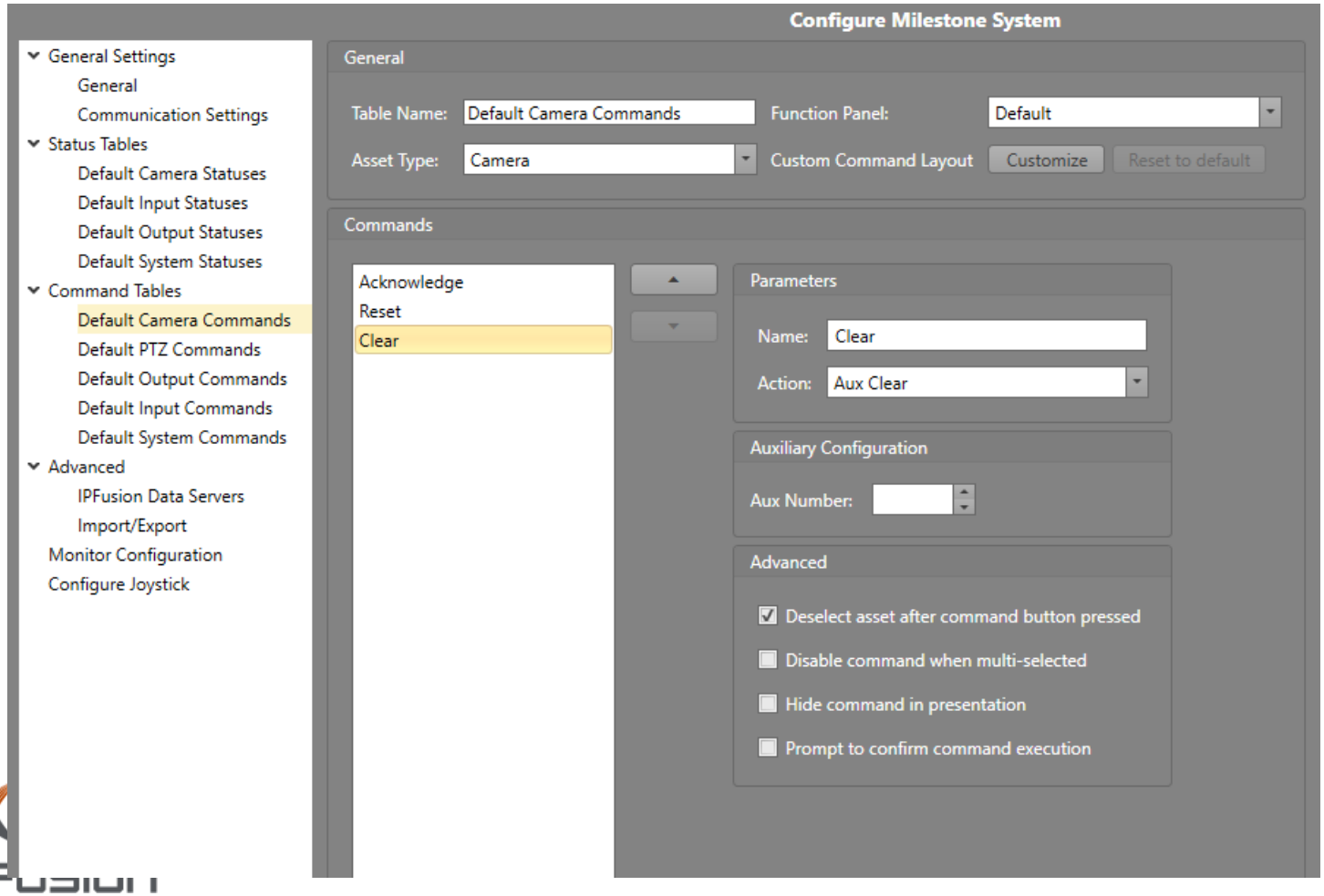
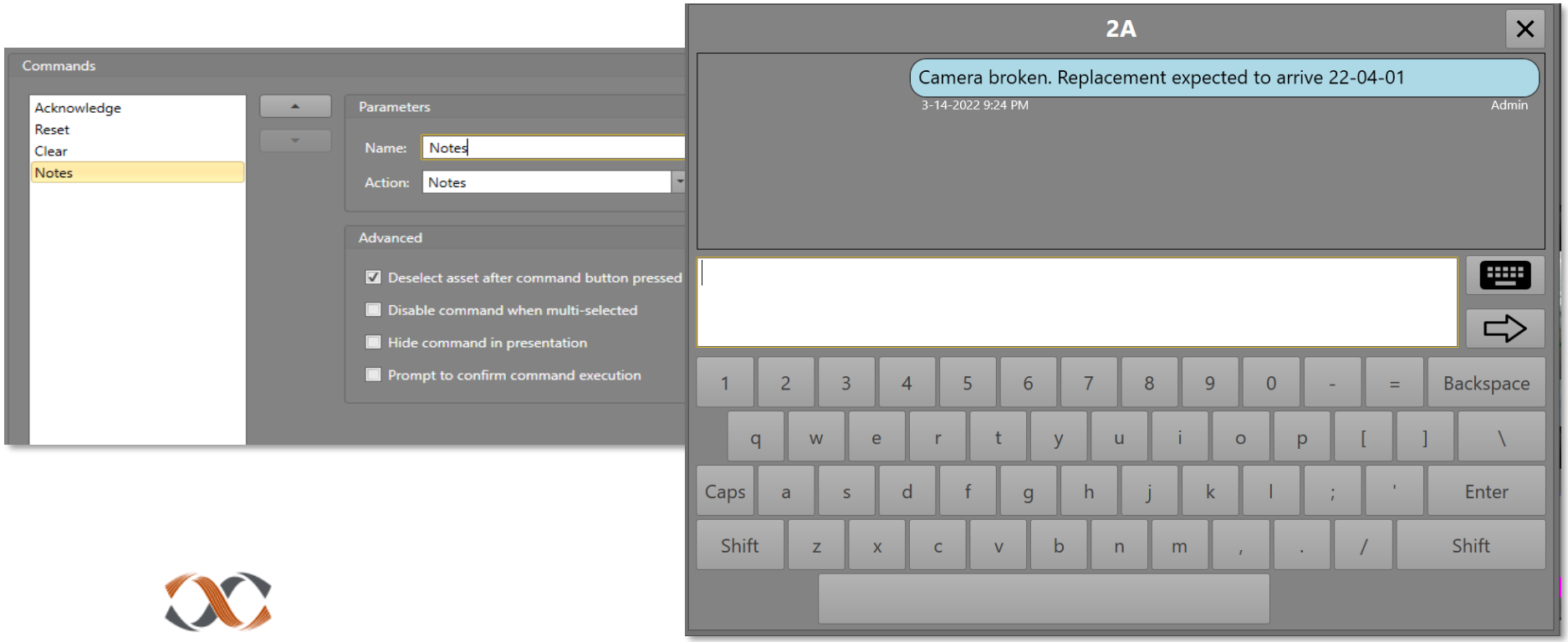
Integrated Systems – Command Tables

- Configure command tables per project specifications



Integrated Systems — Command Tables

- Add a Notes command
- Notes allow the Runtime operators on different Workstations to store information on the asset in real-time



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Assign Command & Status Tables

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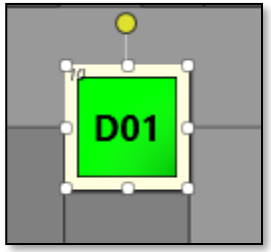
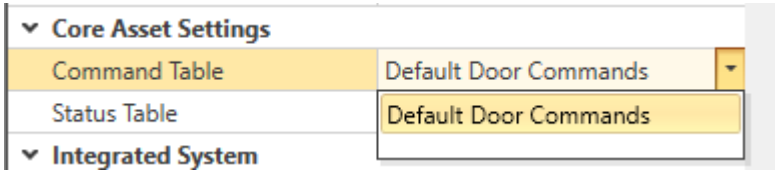
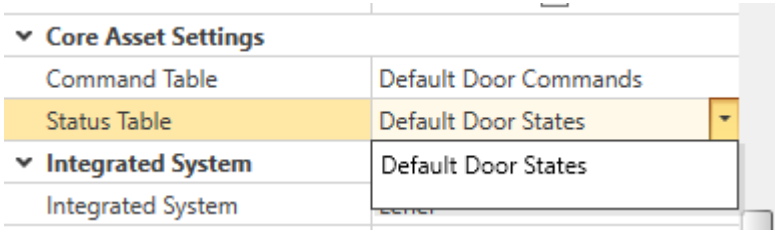
Assign Command & Status Tables

- Assign the configured command and status tables for each asset







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Configure Legend

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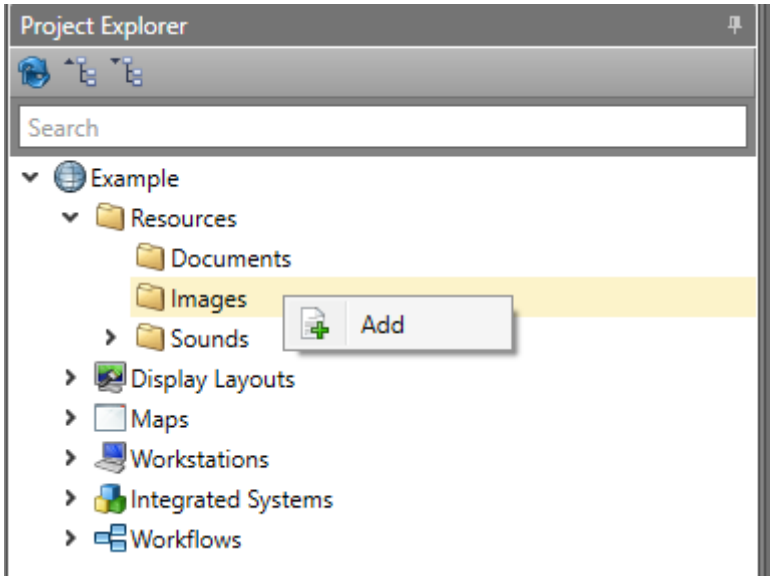
Configure Legend – Add Legend

- Add Legend image to resources



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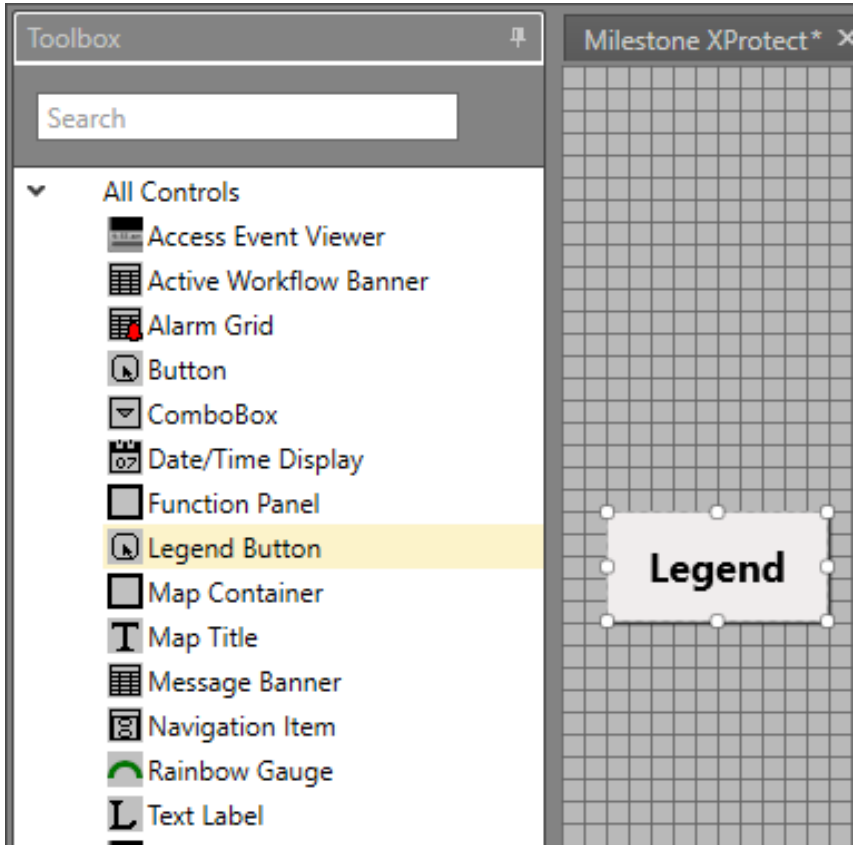
Configure Legend – Add Legend Button

- Open each of the Display Layouts
- Drag a Legend Button onto each layout from the toolbox



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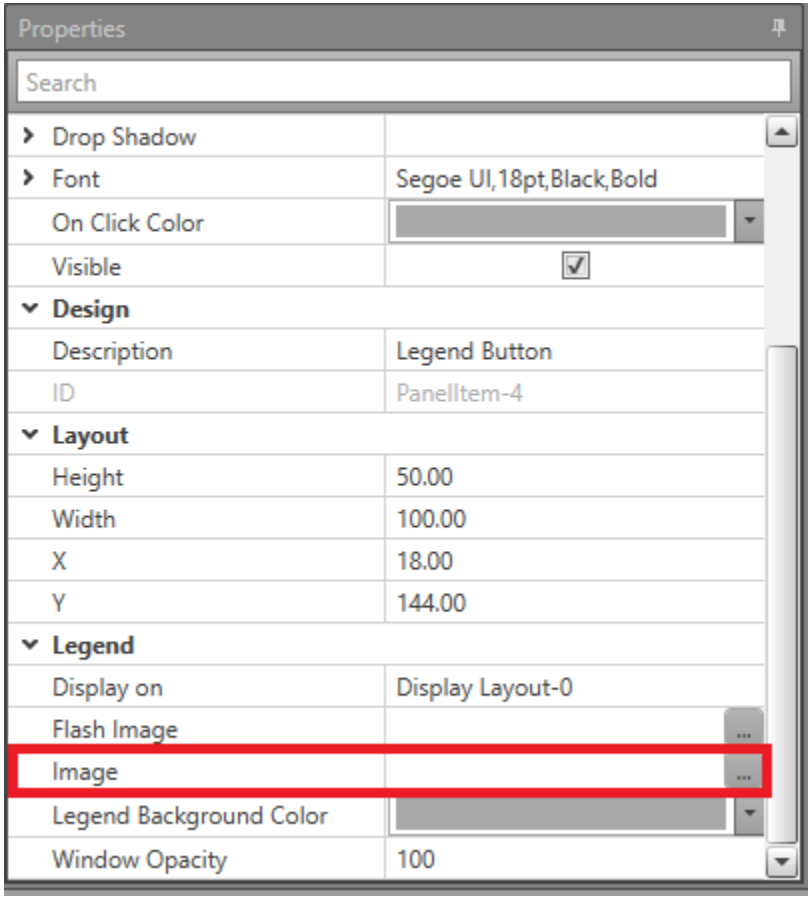
Configure Legend – Assign Legend

- Click Image in the Properties grid



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Video Viewer

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Video Viewer

- Configure cameras to use the GuIDs found in the project specifications
- Launch Runtime in simulation mode
- Select the camera, then touch the video viewer panel in the bottom right of the screen
- The camera stream will be shown in the video viewer

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Custom Alarm Type Example

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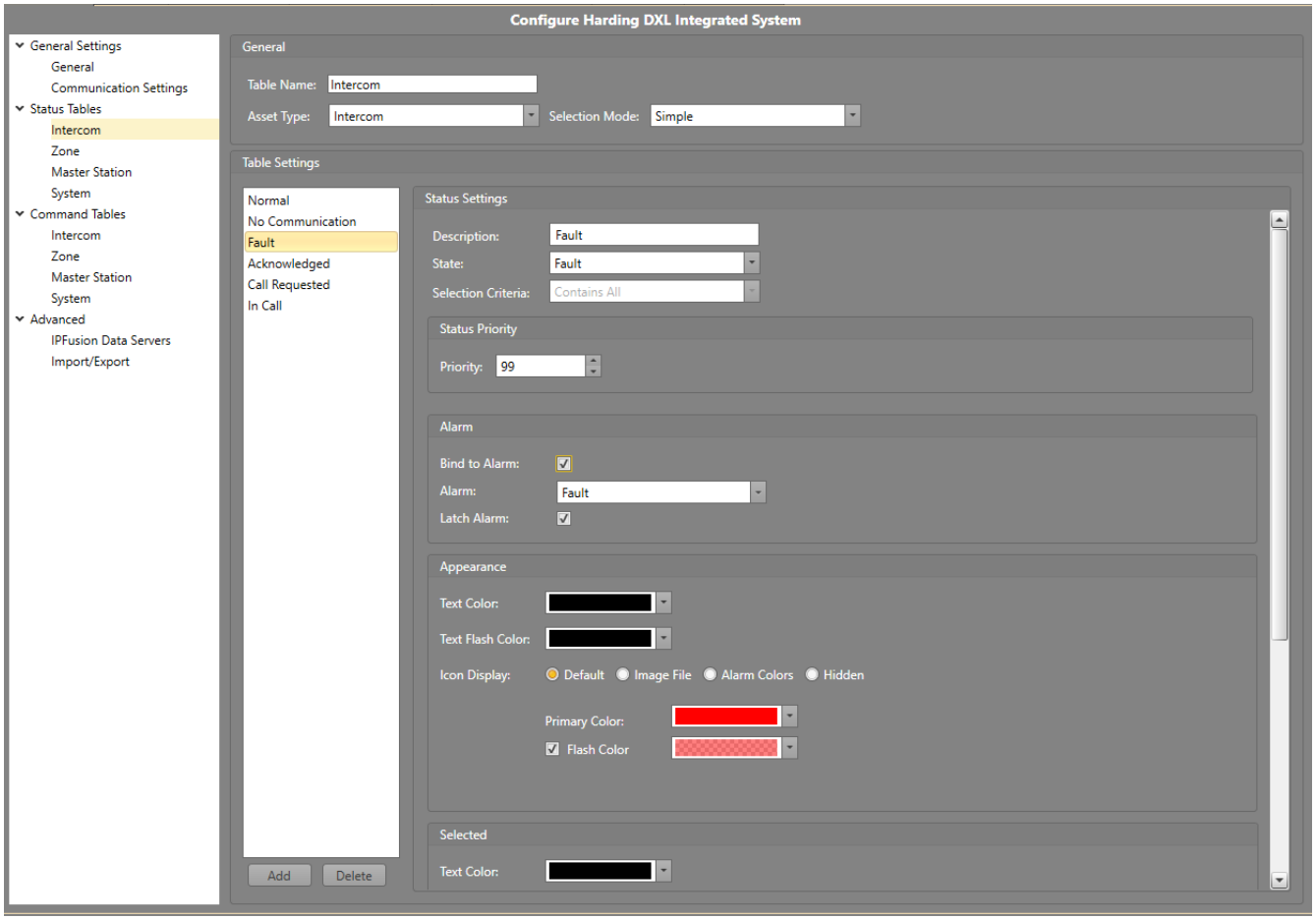
Custom Alarm Type Example

- Assign alarm type **Fault** to the intercom **Fault** state
- Make sure the **Latch** property is checked.



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Custom Alarm Type Example

- Launch Runtime in simulation mode
- Launch simulation application
- Set all intercoms to **Normal** state
  - All intercoms should show a green icon
- Set intercom I01 to **Fault** state
  - This should generate an alarm that can be seen in the alarm banner
  - The intercom icon should be flashing red and white
  - The alarm should have the type **Fault** and be flashing red and white

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Connecting to a Live System

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Connecting to a Live System

- Configure integrated system IPFusion data server and communications settings per specifications
- Launch Runtime to interact with devices on the live system

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Module 3 Complete