

Module 3

Project Development

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

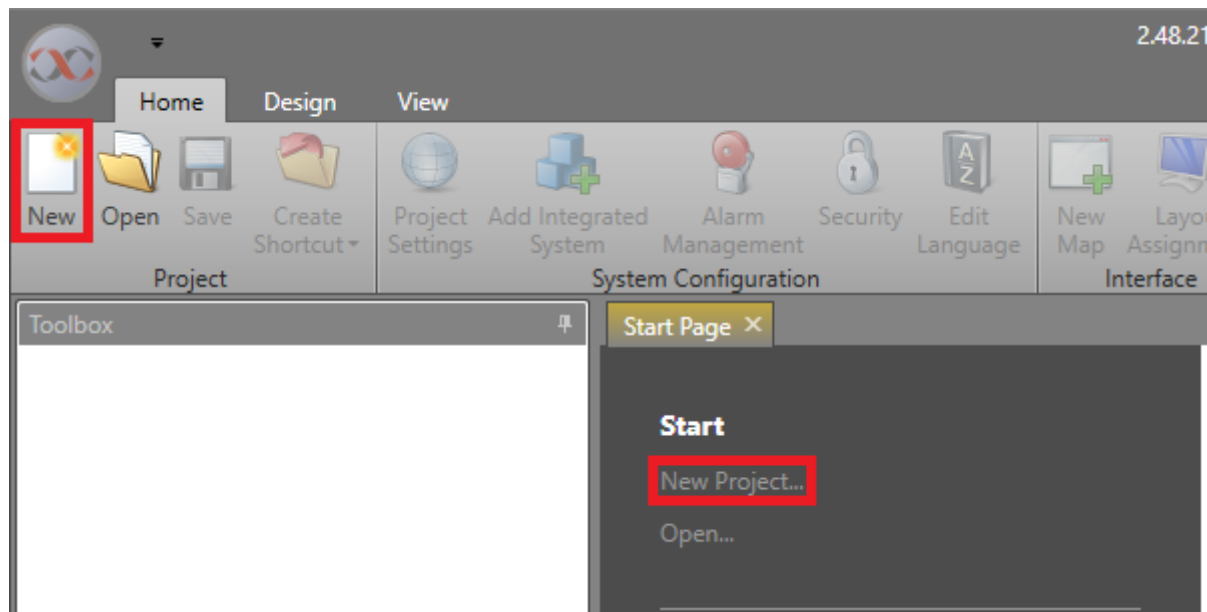


New Project Wizard



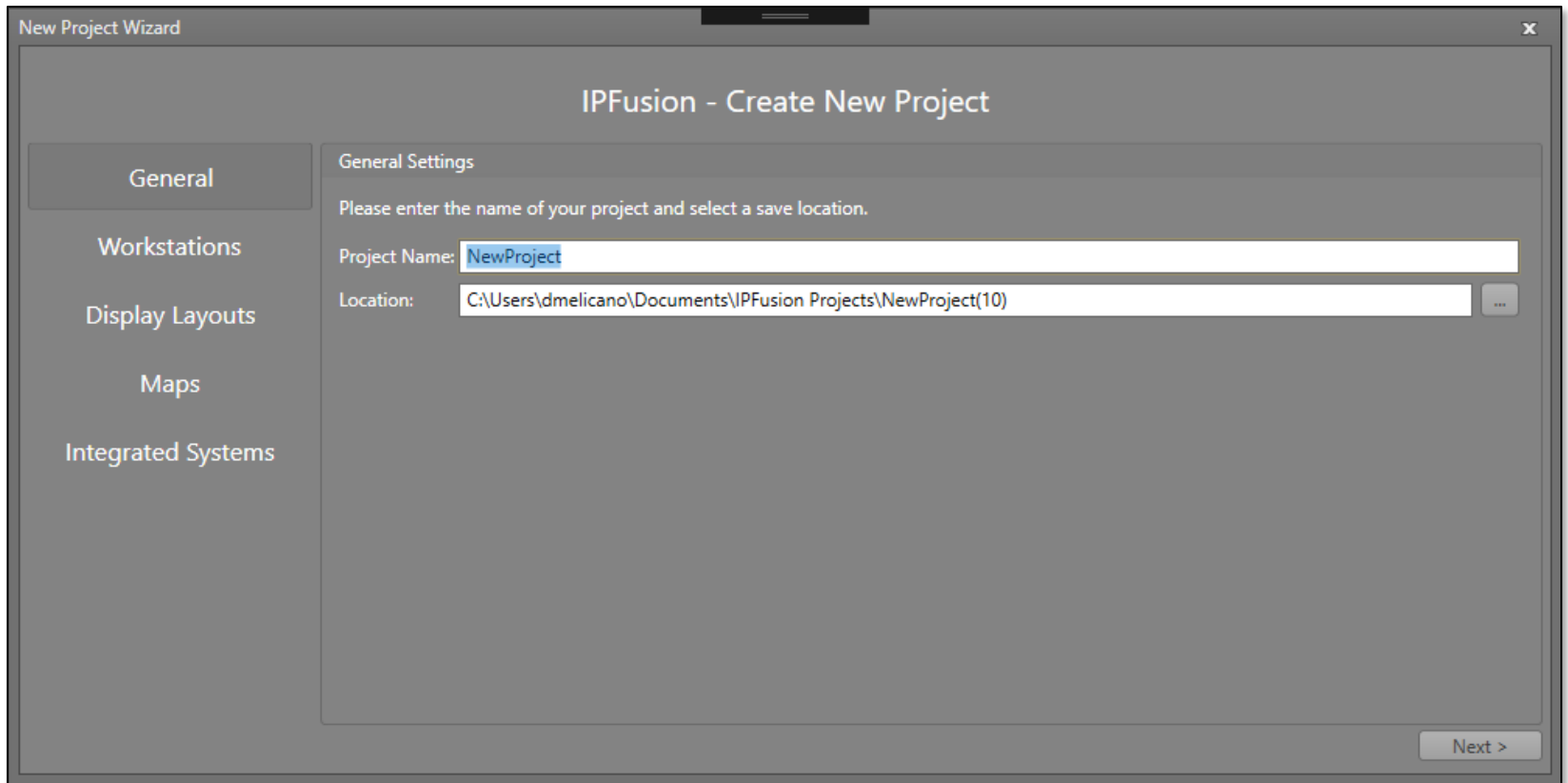
New Project Wizard – New Project

- Create a new project



New Project Wizard – General

- Enter project name
- Enter project location



The screenshot shows a software window titled "New Project Wizard" with a subtitle "IPFusion - Create New Project". On the left side, there is a vertical navigation menu with five options: "General" (which is highlighted with a dark background), "Workstations", "Display Layouts", "Maps", and "Integrated Systems". The main area of the window is titled "General Settings" and contains the following text: "Please enter the name of your project and select a save location." Below this text are two input fields. The first is labeled "Project Name:" and contains the text "NewProject". The second is labeled "Location:" and contains the path "C:\Users\dmelicano\Documents\IPFusion Projects\NewProject(10)". To the right of the location field is a small button with three dots "...". At the bottom right corner of the window, there is a button labeled "Next >".

New Project Wizard – Workstations

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

New Project Wizard

IPFusion - Create New Project

General

Workstations

Display Layouts

Maps

Integrated Systems

Workstation

Add and configure the Workstations that will be created.

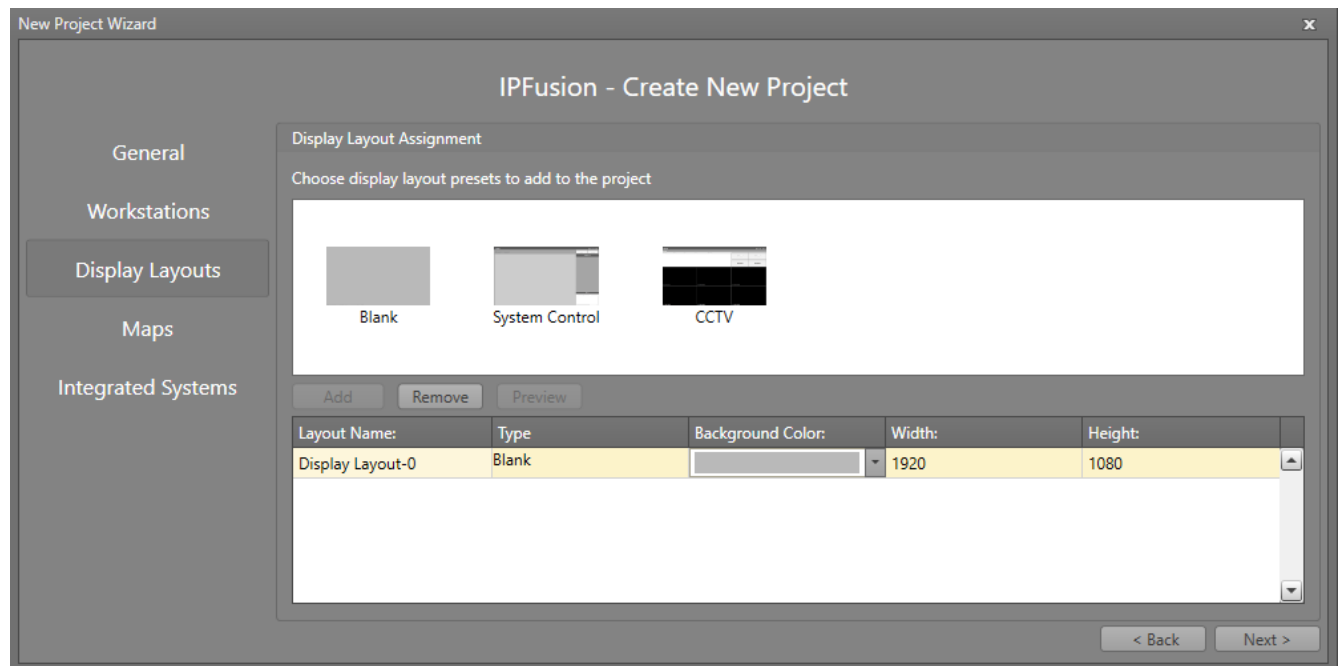
Description:	Host Address:
Workstation A	169.254.196.239
Workstation B	169.254.196.239

Add Remove

< Back Next >

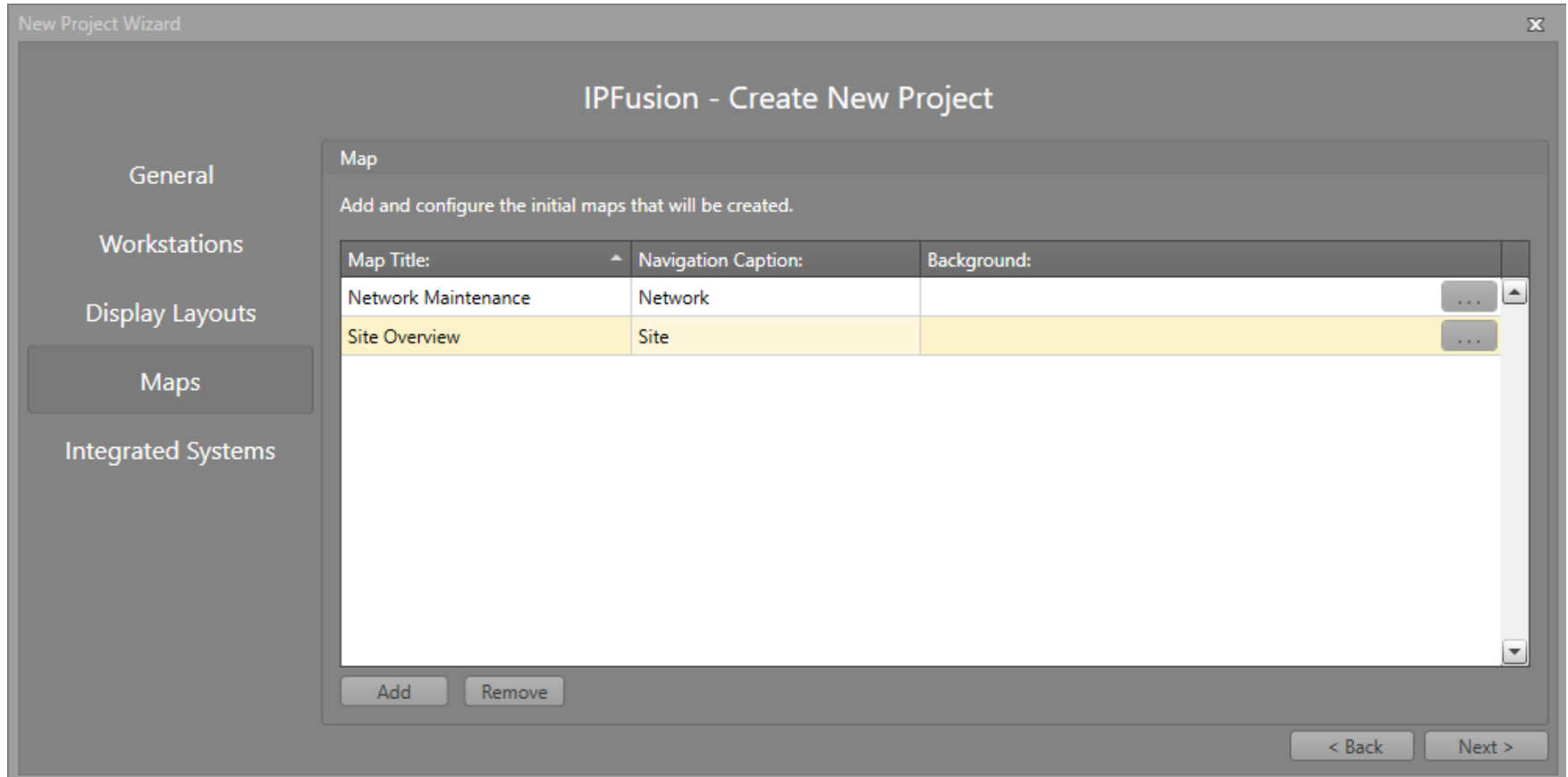
New Project Wizard – Display Layouts

- 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.

New Project Wizard

Create New Project

General

Workstations

Display Layouts

Maps

Integrated Systems

Integrated System Assignment

Add and select the type of integrated system that will be created.
Checking configure on finish will open the configuration map when created.

Name:	Type:	Configure on Finish:
Milestone	Milestone XProtect	<input type="checkbox"/>
Harding	Harding DXL	<input type="checkbox"/>
OnGuard	OnGuard	<input checked="" type="checkbox"/>

Add Remove

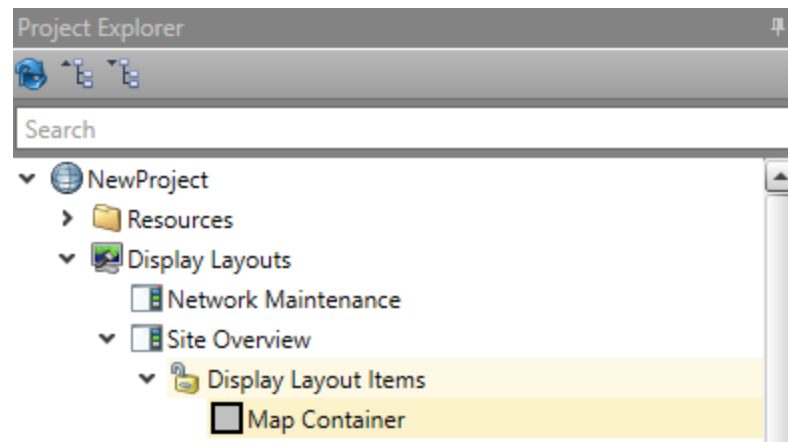
< Back Finish

Configure Display Layouts



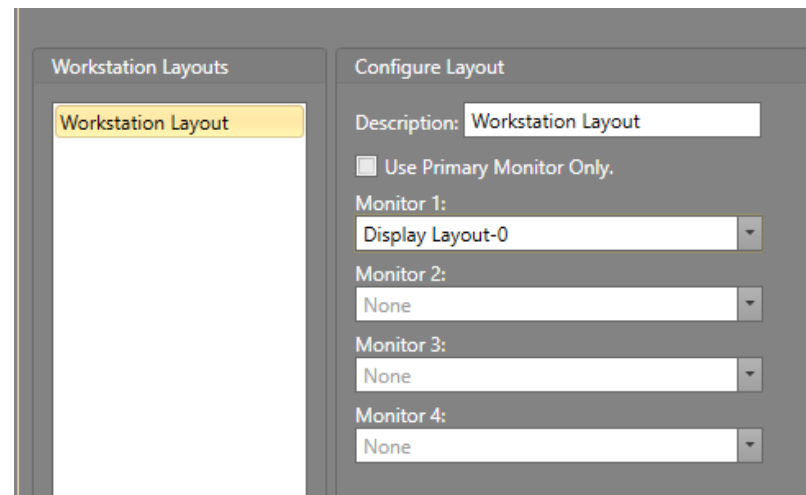
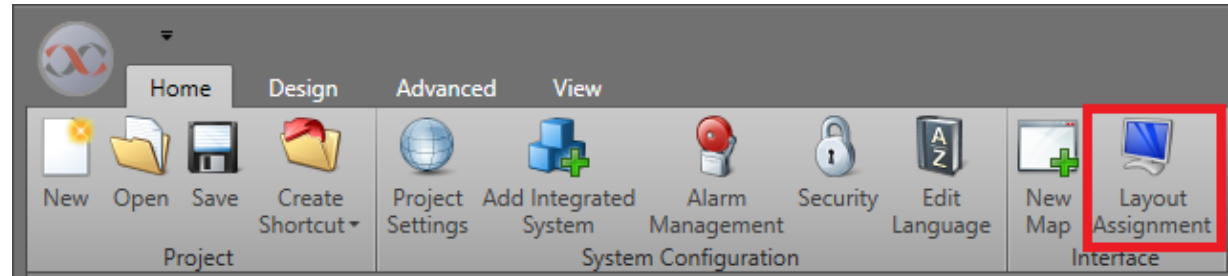
Configure Display Layouts – Basics

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



Configure Display Layouts – Layout Assignment

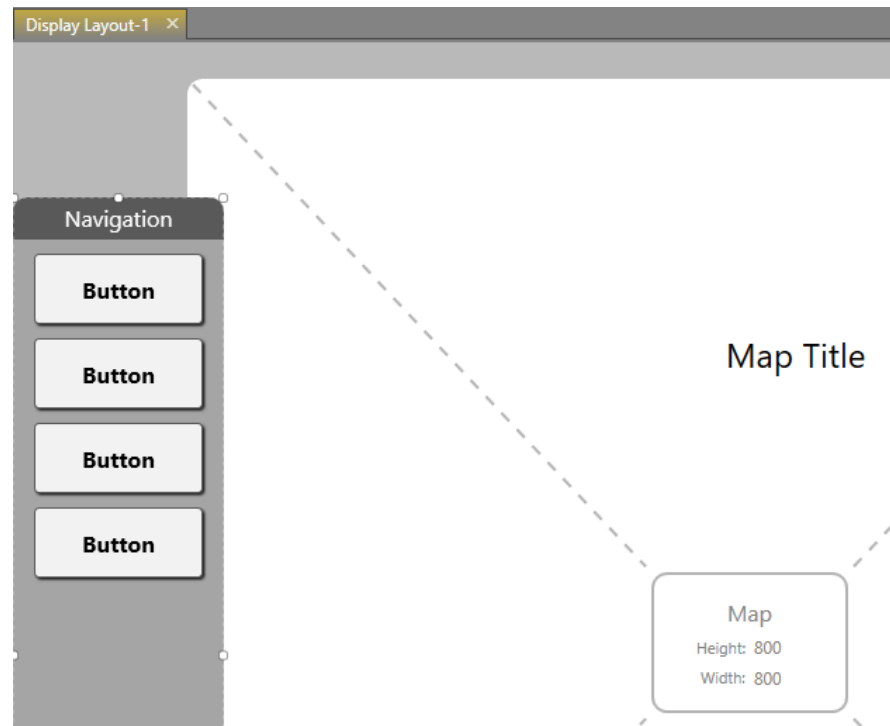
- Open **Layout Assignment**
- In **Layout Configuration** set the display layouts to be used by each monitor or just use the primary monitor
- In **Layout Assignment**, set the layouts for each Workstation per specifications



Layout Assignment	
Workstation	Layout
Workstation B	Workstation Layout
Workstation A	

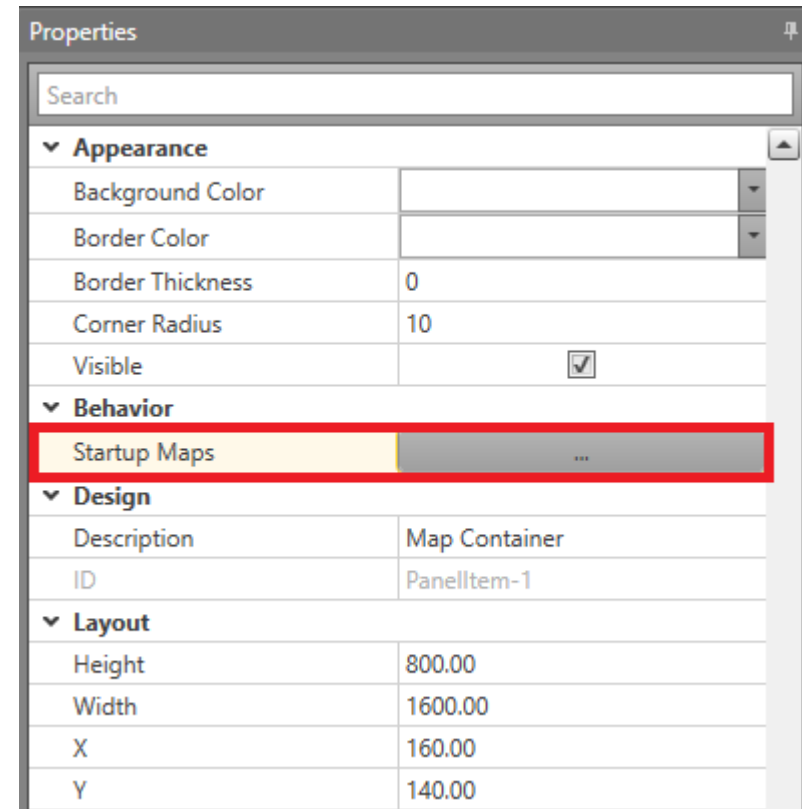
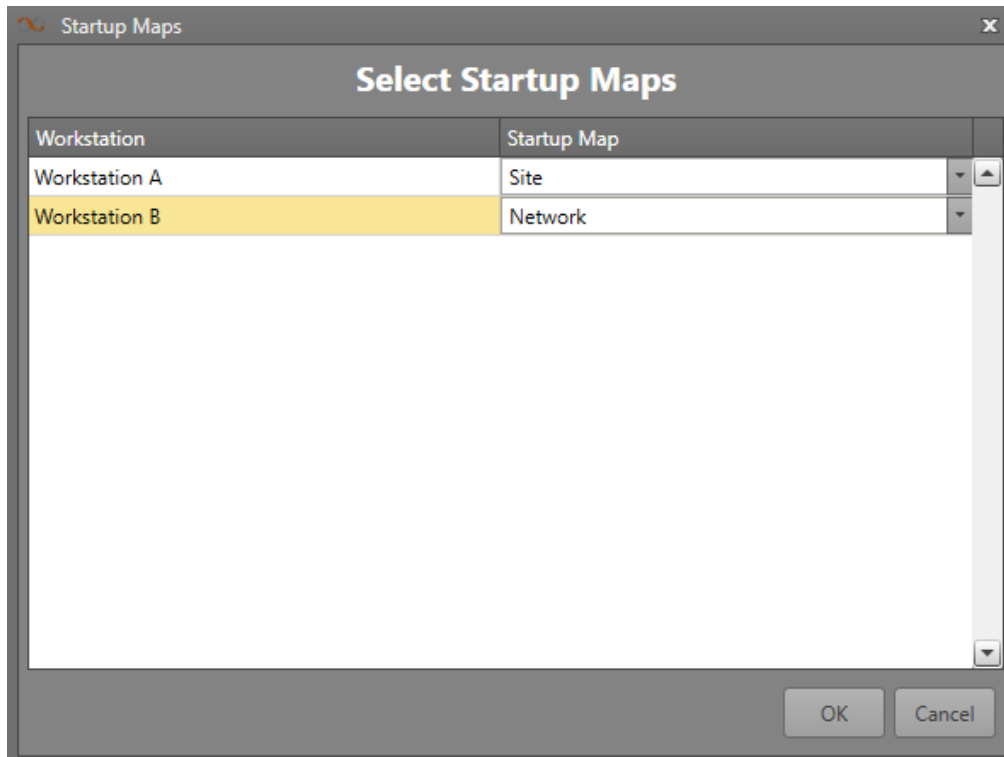
Configure Display Layouts – Navigation

- 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**



Configure Display Layouts – Startup Map

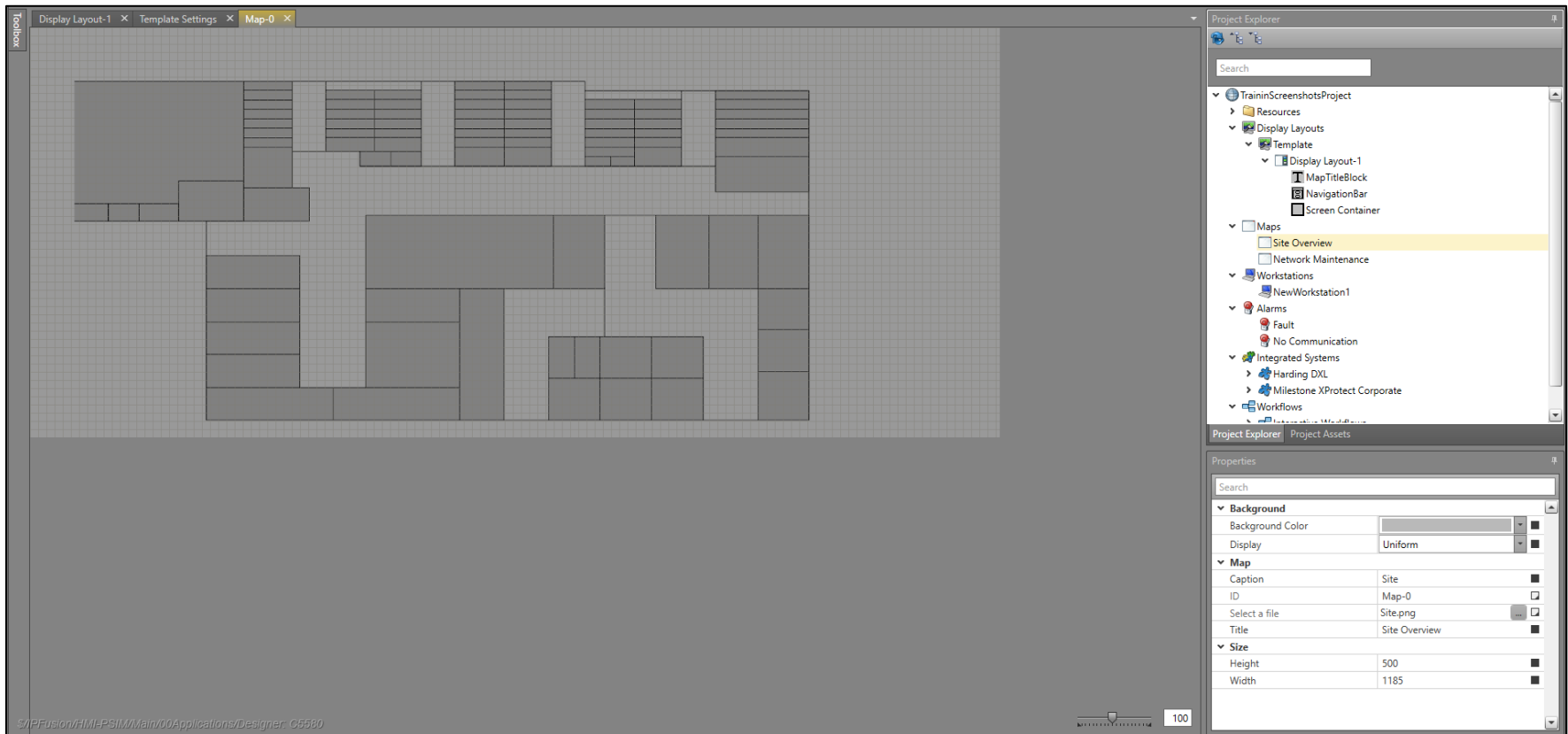
- Set Startup Map per Map Container within the Map Container's Property (**Startup Maps**)



Configure Maps

Configure Maps

- Set width and height of both maps per specifications



The screenshot shows a software interface for configuring maps. The main workspace displays a grid with a map layout. The right side features a Project Explorer and a Properties window. The Properties window shows settings for a map, including Background Color, Map ID (Map-0), Title (Site Overview), Height (500), and Width (1185).

Background	
Background Color	
Display	Uniform

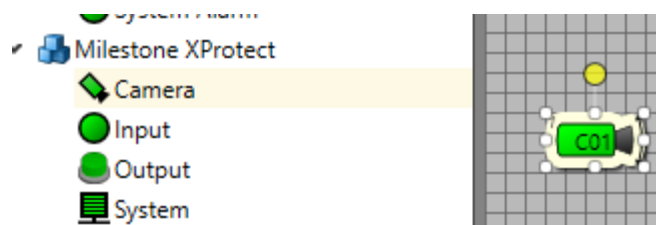
Map	
Caption	Site
ID	Map-0
Select a file	Site.png
Title	Site Overview

Size	
Height	500
Width	1185

Add Assets

Add Assets – Milestone Camera

- Drag Milestone cameras from toolbox to screen
- Configure properties



Properties

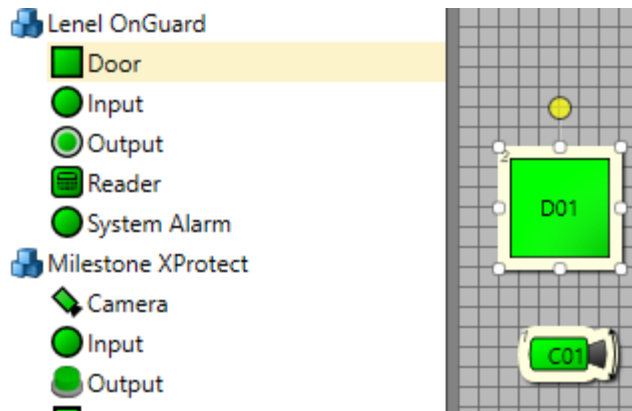
Search

▼ Asset

Asset ID	1
Asset Type	Camera
▶ Custom Properties	
Logging Description	
▶ Camera Callups	
▼ Caption	
Caption	C01
▶ Font	Segoe UI, 11pt, Black
Is Caption Displayed	<input checked="" type="checkbox"/>
Is Caption Rotated with Asset	<input type="checkbox"/>
Relative Location	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
Relative Position X	0
Relative Position Y	0
Rotation Angle	0.00
▶ Caption Background	
▶ Core Asset Settings	
▶ Integrated System	
▶ Layout	
▼ Milestone	
Joystick Control	<input checked="" type="checkbox"/>
Milestone Guid	5F46F1DF-07A7-48EB-A61F-5C...

Add Assets – OnGuard Door

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



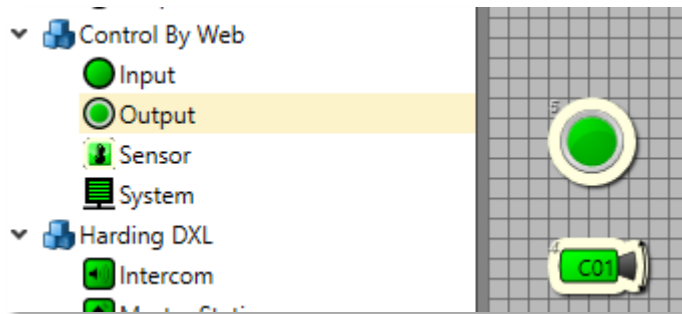
Properties

Search

Asset	
Asset ID	2
Asset Type	Lenel Door
Custom Properties	
Logging Description	
Camera Callups	
Camera Callups	Camera Callups
[0]	C01
Show Cameras On Alarm	<input type="checkbox"/>
Show Cameras On Select	<input type="checkbox"/>
Caption	D01
Font	Segoe UI, 11pt, Black
Is Caption Displayed	<input checked="" type="checkbox"/>
Is Caption Rotated with Asset	<input type="checkbox"/>
Relative Location	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input checked="" type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>

Add Assets – Control By Web I/O

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



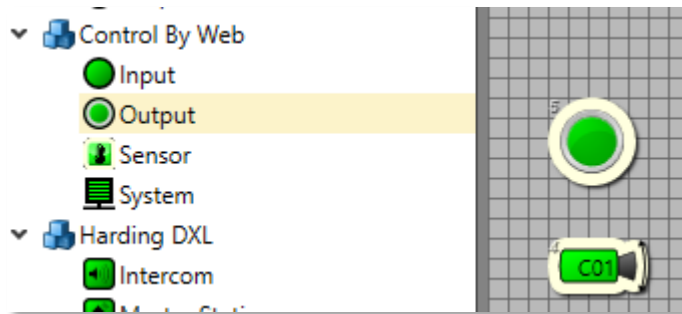
Properties

Search

▼ Asset Settings	
Asset ID	5
Asset Type	Output
Command Table	Default Output Comm...
▶ Custom Properties	
Device	Default Device
Index	1
Logging Description	
Status Table	Default Output Statuses
▼ Camera Callups	
▼ Camera Callups	Camera Callups +
▼ [0]	C01 ✖
Camera	C01
Preset	
Show Playback Loop	<input type="checkbox"/>
▼ Caption	
Caption	Output 1

Add Assets – Twilio Phone

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



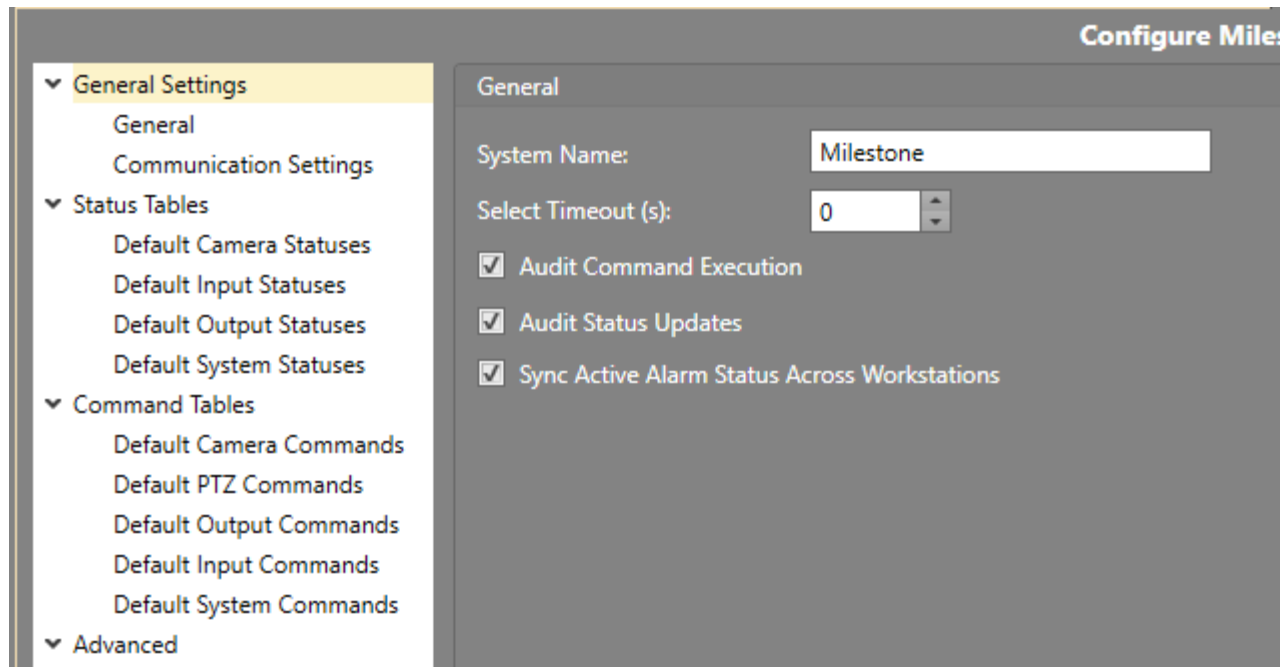
The Properties window shows the configuration for the Twilio Phone asset. It includes a search bar and several sections of settings.

Properties	
Search	
Asset Settings	
Asset ID	5
Asset Type	Output
Command Table	Default Output Comm...
Custom Properties	
Device	Default Device
Index	1
Logging Description	
Status Table	Default Output Statuses
Camera Callups	
Camera Callups	Camera Callups +
▼ [0]	C01 ✖
Camera	C01
Preset	
Show Playback Loop	<input type="checkbox"/>
Caption	
Caption	Output 1

Configure Integrated Systems

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



The screenshot shows a configuration window titled "Configure Milestone". On the left is a navigation tree with the following items:

- General Settings (selected)
- General
- Communication Settings
- Status Tables
 - Default Camera Statuses
 - Default Input Statuses
 - Default Output Statuses
 - Default System Statuses
- Command Tables
 - Default Camera Commands
 - Default PTZ Commands
 - Default Output Commands
 - Default Input Commands
 - Default System Commands
- Advanced

The main content area is titled "General" and contains the following settings:

- System Name: Milestone
- Select Timeout (s): 0
- Audit Command Execution
- Audit Status Updates
- Sync Active Alarm Status Across Workstations

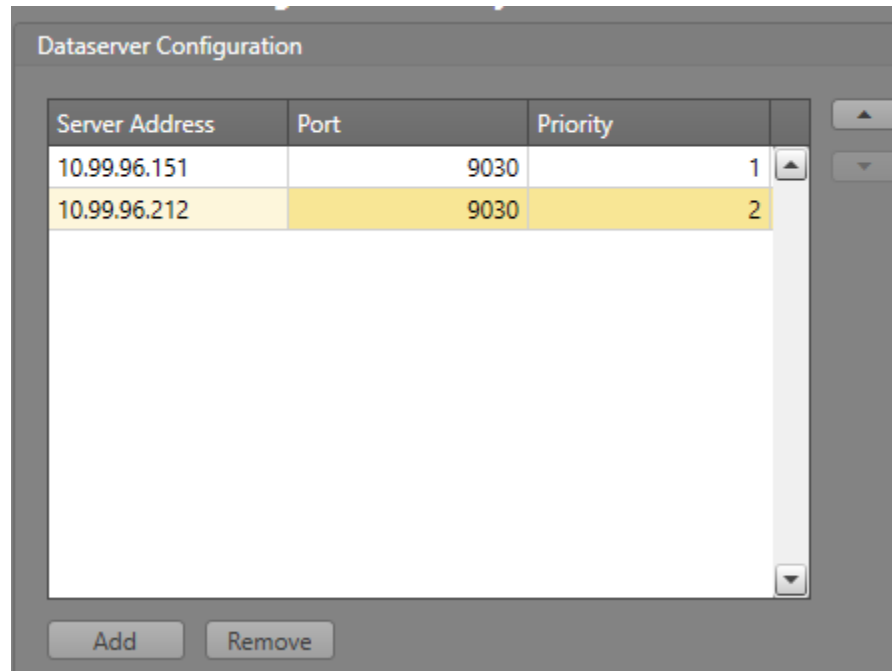
Integrated Systems – IPFusion Data Servers

- Input Data Server settings as per Specifications

Dataserver Configuration

Server Address	Port	Priority	
10.99.96.151	9030	1	▲
10.99.96.212	9030	2	▼

Add Remove



Integrated Systems – Status Tables

- Leave status tables as defaults for each system

The screenshot displays the 'Configure Milestone System' window. On the left, a sidebar lists configuration categories: General Settings (General, Communication Settings), Status Tables (Default Camera Statuses, Default Input Statuses, Default Output Statuses, Default System Statuses), Command Tables (Default Camera Commands, Default PTZ Commands, Default Output Commands, Default Input Commands, Default System Commands), and Advanced (IPFusion Data Servers, Import/Export, Monitor Configuration, Configure Joystick). The 'Default Camera Statuses' table is selected in the sidebar.

The main configuration area is titled 'Configure Milestone System' and contains the following sections:

- General:** Table Name: Default Camera Statuses, Asset Type: Camera. A checkbox for 'Caption flashes to show true alarmed state of asset.' is present.
- Table Settings:** A list of status tables: Normal (selected), Masked, Fault, Acknowledged, No Communication, Recording, and Offline.
- Status Settings:** Description: Normal, State: Normal, Status Priority: Priority 99.
- Alarm:** Bind to Alarm: unchecked, Alarm: Fault, Latch Alarm: checked.
- Appearance:** Text Color: black, Text Flash Color: black, Icon Display: Default (selected), Image File, Alarm Colors, Hidden. Primary Color: green, Flash Color: green.
- Selected:** Text Color: black.

Buttons for 'Add' and 'Delete' are located at the bottom left of the table settings area.

Integrated Systems – Command Tables

- Configure command tables per project specifications

The screenshot displays the 'Configure Milestone System' interface. On the left is a navigation tree with categories: General Settings, Status Tables, Command Tables, and Advanced. Under 'Command Tables', 'Default Camera Commands' is selected. The main panel is divided into 'General' and 'Commands' sections.

General

Table Name: Function Panel:

Asset Type: Custom Command Layout:

Commands

A list of commands is shown: Acknowledge, Reset, and Clear. The 'Clear' command is highlighted. To the right of the list are up and down arrow buttons.

Parameters

Name:

Action:

Auxiliary Configuration

Aux Number:

Advanced

- Deselect asset after command button pressed
- Disable command when multi-selected
- Hide command in presentation
- Prompt to confirm command execution

Integrated Systems — Command Tables

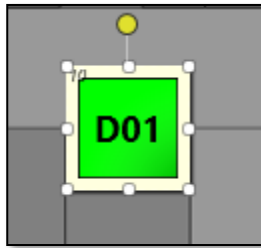
- Add a Notes command
- Notes allow the Runtime operators on different Workstations to store information on the asset in real-time

The image displays two overlapping screenshots from the IPFUSION system. The left screenshot shows the 'Commands' configuration panel. On the left, a list of commands includes 'Acknowledge', 'Reset', 'Clear', and 'Notes', with 'Notes' selected. The 'Parameters' section shows 'Name: Notes' and 'Action: Notes'. The 'Advanced' section contains four checkboxes: 'Deselect asset after command button pressed' (checked), 'Disable command when multi-selected' (unchecked), 'Hide command in presentation' (unchecked), and 'Prompt to confirm command execution' (unchecked). The right screenshot shows a workstation view for asset '2A'. At the top, a blue notification bar reads 'Camera broken. Replacement expected to arrive 22-04-01' with a timestamp of '3-14-2022 9:24 PM' and the user 'Admin'. Below the notification is a large white text input field with a cursor, and a keyboard overlay is visible at the bottom.

Assign Command & Status Tables

Assign Command & Status Tables

- Assign the configured command and status tables for each asset



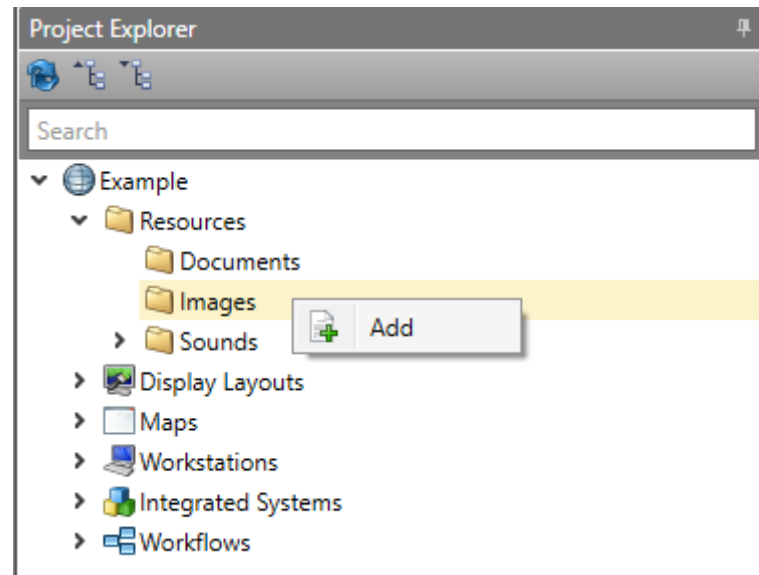
▼ Core Asset Settings	
Command Table	Default Door Commands
Status Table	Default Door Commands
▼ Integrated System	

▼ Core Asset Settings	
Command Table	Default Door Commands
Status Table	Default Door States
▼ Integrated System	
Integrated System	Default Door States

Configure Legend

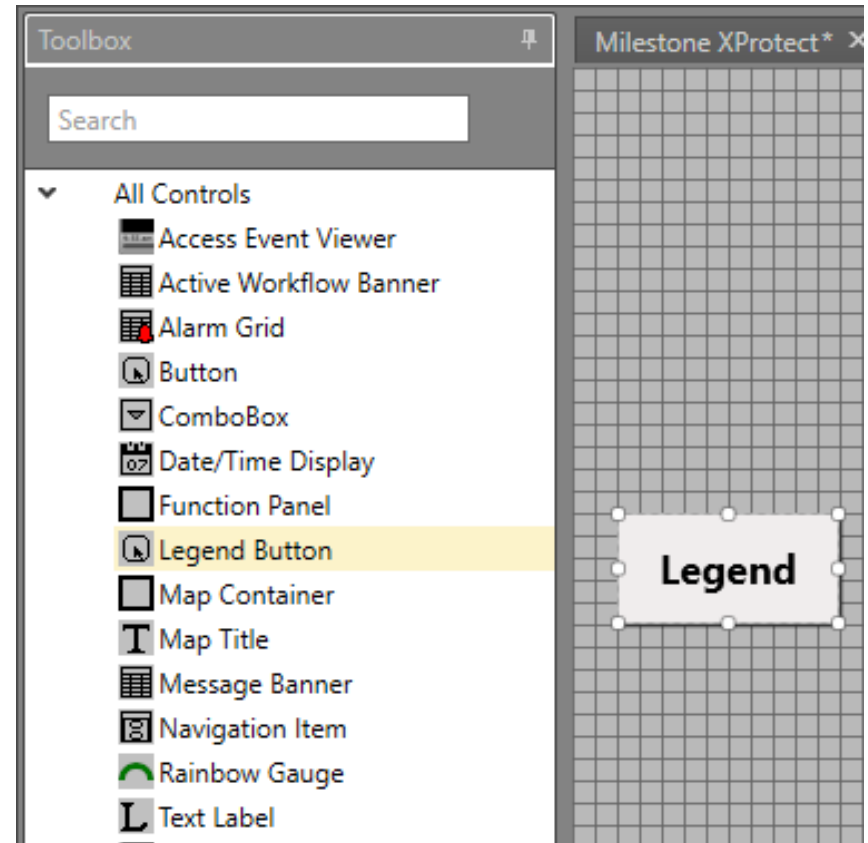
Configure Legend – Add Legend

- Add Legend image to resources



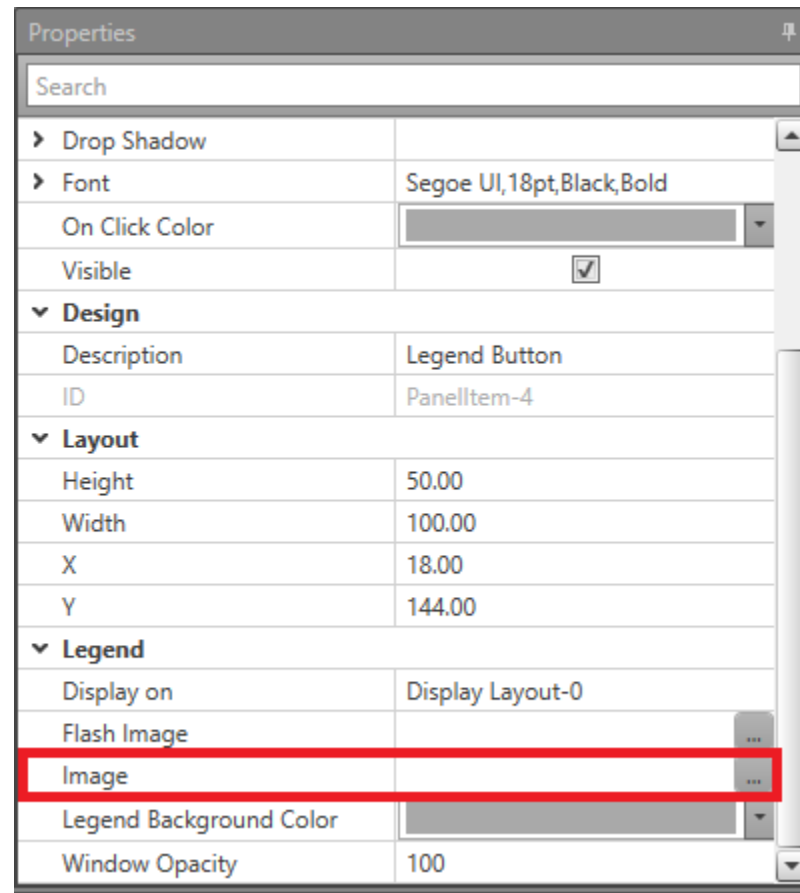
Configure Legend – Add Legend Button

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



Configure Legend – Assign Legend

- Click Image in the Properties grid



Video Viewer

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

Custom Alarm Type Example

Custom Alarm Type Example

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

The screenshot displays the 'Configure Harding DXL Integrated System' interface. On the left is a navigation tree with categories: General Settings, Status Tables, Command Tables, and Advanced. Under 'Status Tables', 'Intercom' is selected, and within it, 'Fault' is highlighted. The main panel is divided into several sections: 'General' (Table Name: Intercom, Asset Type: Intercom, Selection Mode: Simple), 'Table Settings' (listing Normal, No Communication, Fault, Acknowledged, Call Requested, In Call), 'Status Settings' (Description: Fault, State: Fault, Selection Criteria: Contains All, Status Priority: 99), 'Alarm' (Bind to Alarm: checked, Alarm: Fault, Latch Alarm: checked), 'Appearance' (Text Color, Text Flash Color, Icon Display: Default selected, Primary Color: red, Flash Color: checked), and 'Selected' (Text Color).

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

Connecting to a Live System



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



Module 3 Complete
