

Prerequisites

- ✓ Niagara 4 station with UX module support
- ✓ QAGSiteMap module installed (runtime + UX profiles)
- ✓ Valid license key from QA Graphics

1 Add License Service

- Open your station in Workbench
- Navigate to the /Services container
- Open the QAGSiteMap palette
- Drag QAGSiteMapLicense into /Services
- Note the hostId shown in the property sheet
- Enter your license key in the licenseKey property
- Right-click and invoke the refresh action
- Verify that licensed shows true and statusMessage confirms activation

TIP: Your hostId is unique to each machine. Contact QA Graphics with this ID to obtain your license key.

2 Create a Map View

- From the QAGSiteMap palette, drag QAMapsView to your desired location in the station tree
- Set centerLat and centerLon to the geographic center of your buildings
- Set zoom to an appropriate initial level (e.g., 12 for a city, 16 for a campus)
- Choose a mapVisualStyle: standard, muted, dark, or satellite
- Set updateIntervalMs for how often live values refresh (default: 5000ms)
- Optionally enable showLegend, showWeatherBanner, or clusterMarkers

TIP: Use autoFitToMarkers = true to automatically zoom the map to encompass all your markers on load.

3 Add Markers

- Under your QAMapsView, add QAMapMarker children (one per building/site)
- Set markerName to the display name for each building
- Enter the lat and lon coordinates for each building location
- Set markerStyle (pin, circle, dot, etc.) and markerIcon (building, hospital, etc.)
- Bind statusOrd to a Niagara point for severity colorization
- Bind value1Ord through value5Ord to live data points, with matching labels
- Set link to the HTTP URL or Niagara ORD for click-through navigation
- Optionally set group for legend filtering, imageUrl for popup images

TIP: Status thresholds: set statusWarnThreshold and statusAlarmThreshold for numeric points, or statusEnumWarn/statusEnumAlarm for enum-based status.

4 Drop the Widget

- Open your PX view in the Niagara PX editor
- Open the QAGSiteMap UX palette (Widgets section)
- Drag the MapView widget onto your PX layout
- Set the widget's ord property to point to your QAMapsView component
- Save and preview — your interactive map is live!

TIP: The MapView widget will discover all QAMapMarker children automatically. No additional binding is needed per marker.

Troubleshooting

Markers not showing

Verify markers are direct children of the QAMapsView. Check that lat/lon are set and enabled is true.

Map tiles not loading

Check network/CSP settings. The widget will fall back to a local grid overlay if tiles are blocked.

License not activating

Ensure the hostId matches your license key. Run the refresh action after entering the key.

Values showing as N/A

Verify ORD paths in valueNOrd properties. Check that the target points exist and are accessible.