

Flex83 | Fast Visualization Guide

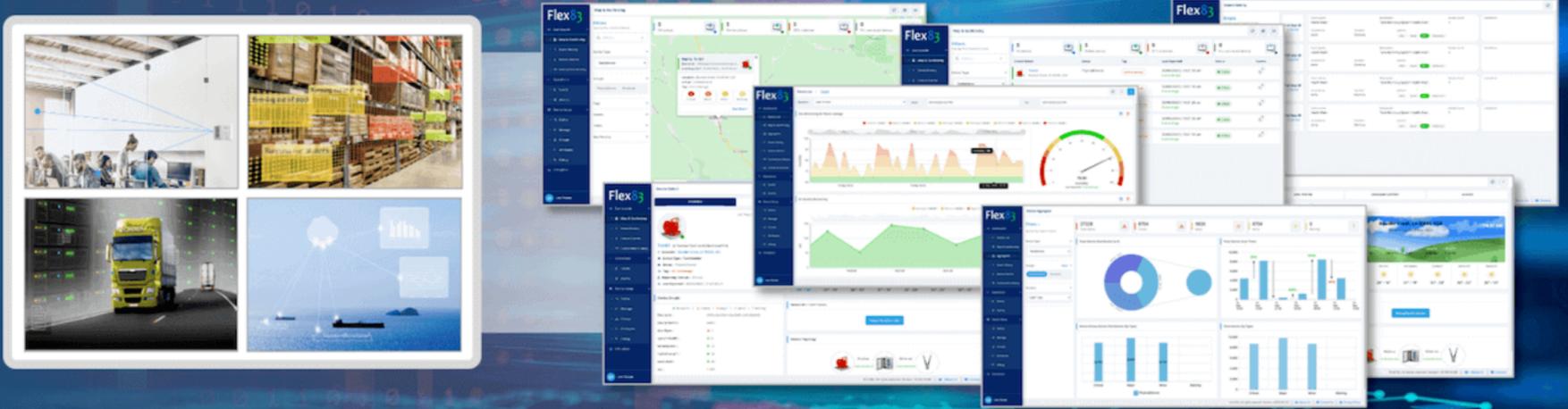
Click-Through Workflows Build Your Applications Fast, Dynamic And Powerful.



Features :

Device List, Device Map, Device Detail,
Dashboard, Alarm & Alert Management,
Event Manager, Aggregate Device
Dashboard

Flex83: Instant IoT Visualizations



Flex83's Click-Through Workflows Build Your Applications Fast, and Dynamically Creates Powerful IoT Visualizations!

*Another **Application Enablement** breakthrough from IoT83*

INTRODUCTION

Flex83 is the Fast Path to IoT Visualization: Simply by using the “click-through” no-code workflows to connect your IoT devices to Flex83 and set a few configurations, a powerful set of visualizations and dashboards for all of your connected devices are dynamically created automatically. This powerful set of standard “out of the box” visualizations and dashboards include:

- A top-level sortable/filterable device list view with summary status for each device.
- A device map view, with summary status, multi-filter capability, and drill-down navigation.
- A device detail dashboard with device configuration and IoT data statistics for that device.
- A drill-down dashboard with time-series and current state device data detail visualizations.
- An alarm and alert management dashboard to manage device “out of bounds” conditions.
- An event manager dashboard to keep track of IoT “actions” triggered by user-set “events”.
- And, a multi-filter view of your aggregated device behavior for overall system management.

Once configured, **Flex83** dynamically populates each of these dashboards based on the incoming IoT data and the data threshold setpoints configured, dramatically accelerating the availability of multi-dimensional and professional-grade visualization for your IoT application. A deeper look at each of these visualization dashboards, shows the power that each provides.

The first two dashboards are “top-level” dashboards, providing both list-based and geographical or map-based views of your devices. Each provides high level device level status, and multi-level device filtering – by device type, group, tag, and more – to allow visibility to exactly what you want, as well as the drill-down navigation to device detail dashboards.

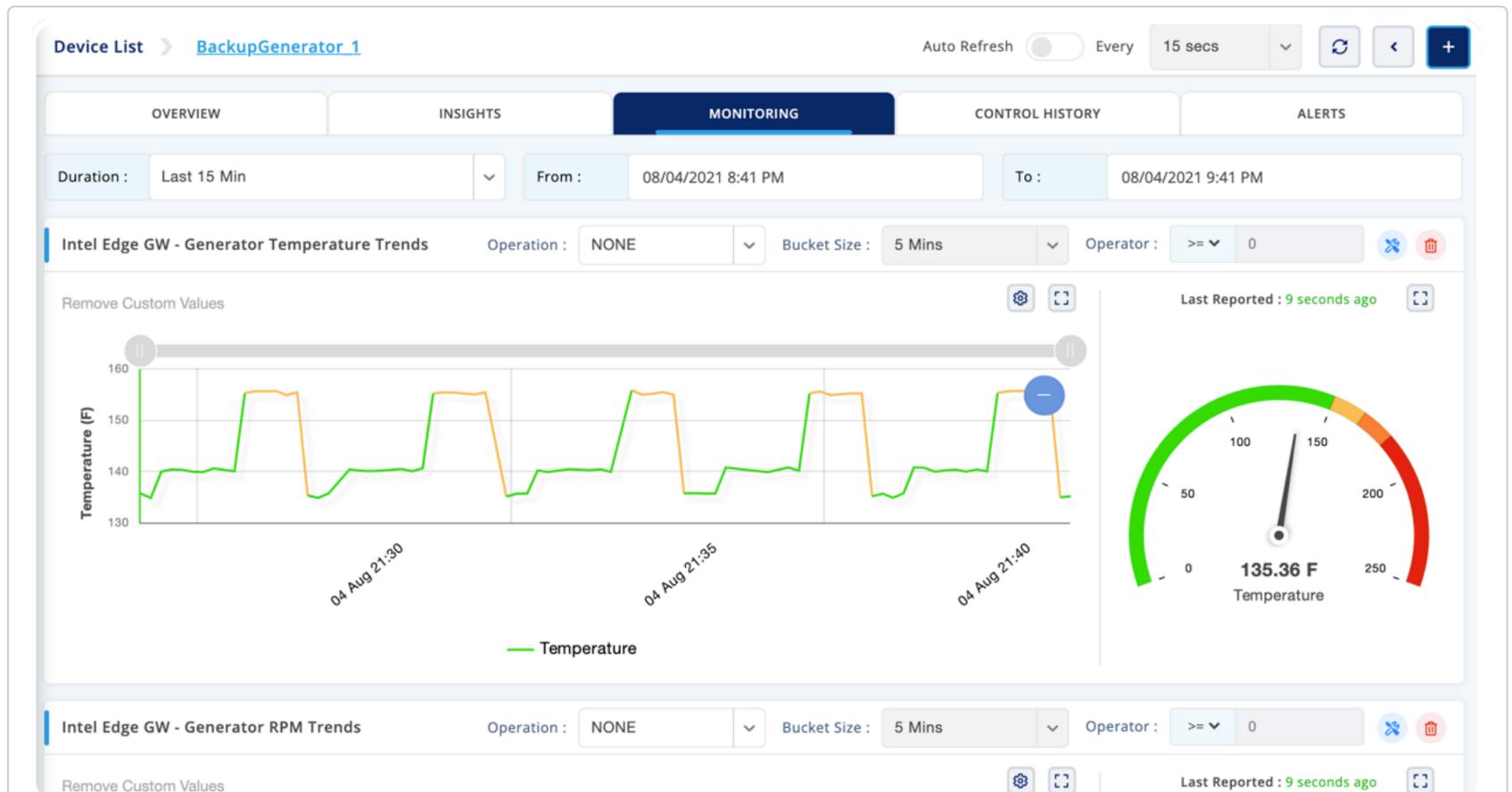
Map View Dashboard : Filters, device summary, connectivity status, and drill-down navigations. Drilling down from the “top-level” dashboards you are presented with an overview dashboard specific devices, including device configuration details, the current values of device telemetry data, the device connectivity topology, as well as device ambient conditions.

The screenshot displays the 'Map & Geofencing' dashboard. At the top, there are four status filters: 'All devices' (15), 'Online' (6), 'Offline' (9), and 'Not connected' (0). The main area is a map showing various device locations with icons. A pop-up window for a selected device provides the following details:

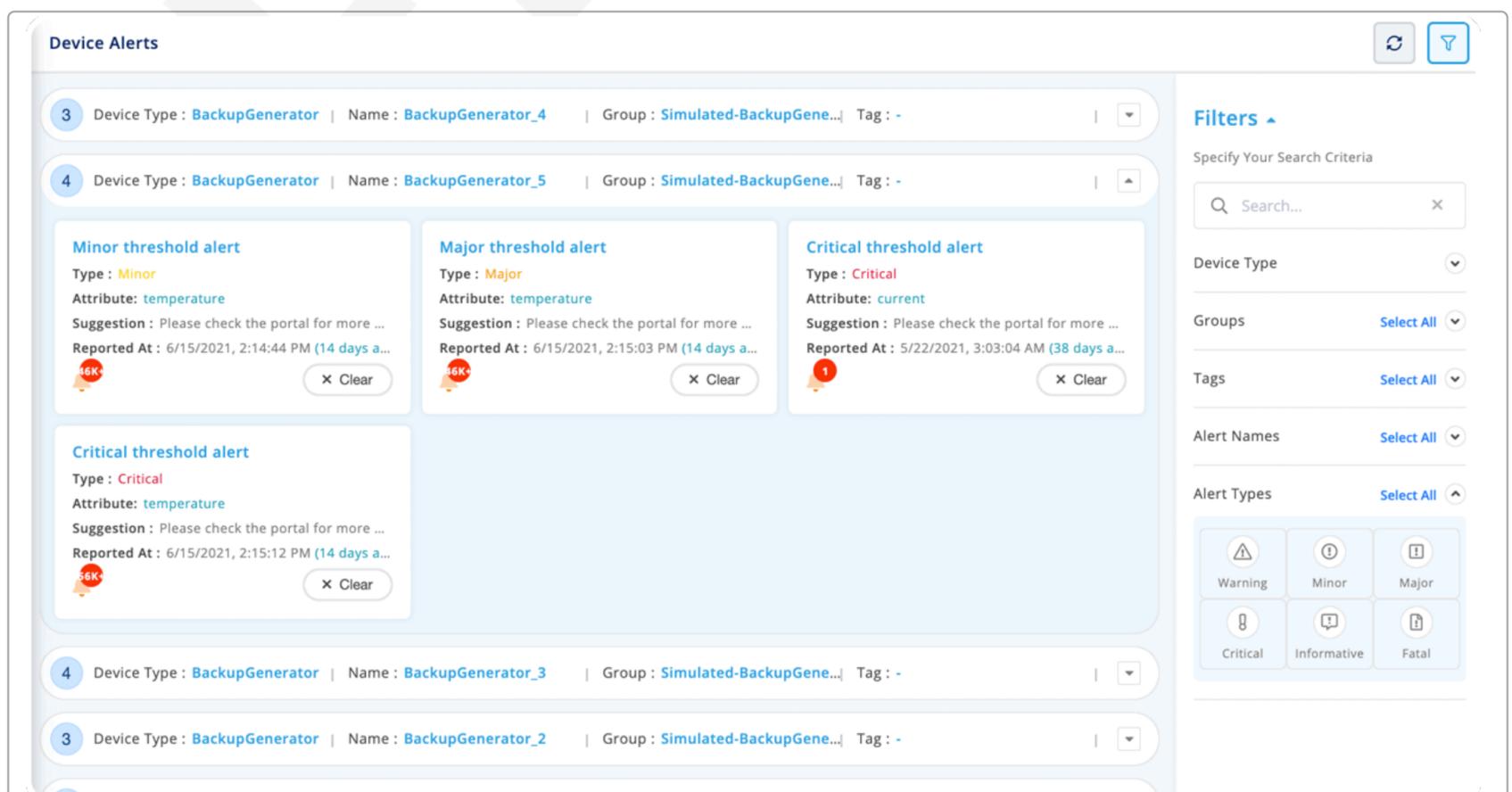
- Device Type:** EnvSensor
- Name:** EnvSensor_2
- Device Id:** 4634316d52bd41ec8a45ce329...
- Last Reported:** 7/8/2021, 5:11:32 AM
- Location:** 12499 Whilaway Ave, Felton, CA 95018, ...
- Group:** Simulated-EnvSensor
- Tag:** Critical (0), Major (0), Minor (0), Warning (0)
- Live Tracking:** (toggle)
- See More:** (link)

On the right side, there are filter sections for 'Device Type' (PumpStation, BackupGenera..., EnvSensor), 'Groups' (Simulated-PumpStation, PhysicalDevice, Simulated-BackupGenerator, PhysicalDevice, Simulated-EnvSensor), and 'Tags' (No Tags found). A note at the bottom of the map states: 'Note : Devices will not be available on Map until their location is configured. Don't see all your devices ? Click Here to configure.'

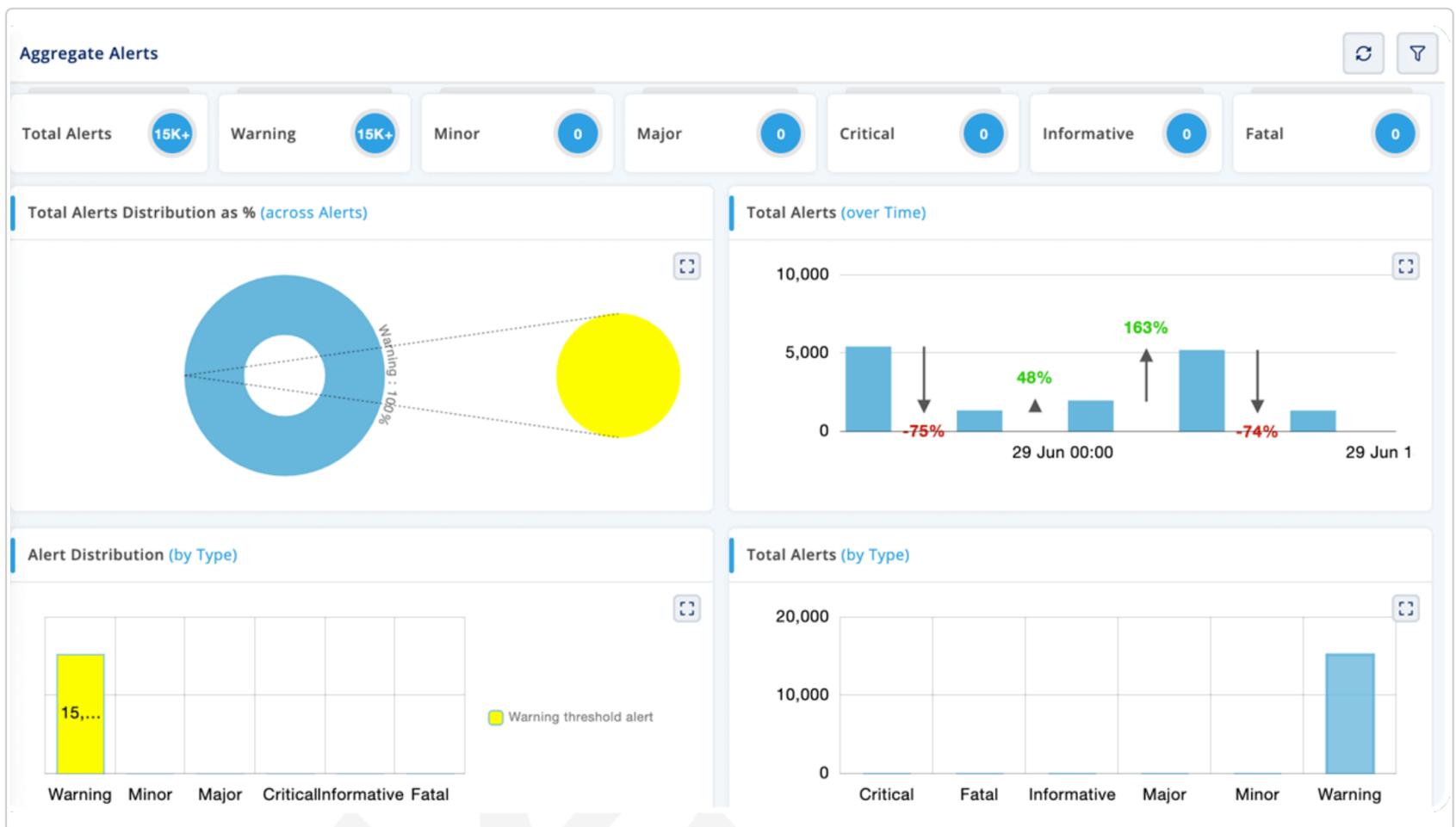
Drilling down further, the **Monitoring Dashboard**, provides both time-series and current device telemetry data visualizations. The color codes for warnings, alerts, alarms, etc. are automatically configured based on the setpoints provided in the no-code **Flex83** configuration steps.



Next, the **Flex83 Alarm Management Dashboard** also auto-generated based on the user configuration of IoT telemetry warning, alert, and alarm setpoints or thresholds. The alarm management, again, lets you filter on specific devices, groups, tags, etc., and analyze the different issues and anomalies observed across your deployed devices.



Aside from other intermediate information and status windows that are available in **Flex83**, the solution also provides a **Device Aggregates Analytics Dashboard** where you can easily track the kinds of issues or anomalies you are having with your different devices, groups of devices, or device types. This dashboard is very helpful in prioritizing issues in you IoT deployment.



SUMMARY

Using Flex83, professional-quality device monitoring dashboards and insight visualizations are dynamically created simply by configuring the click-through Flex83 workflows. Device listing and sorting dashboards, map views, device detail dashboards, device drill-downs, alarms & alerts monitoring, event tracking, and filterable sortable aggregated device analysis are all at your fingertips. All of this allows Flex83 to provide an immediate impact on your business and dramatically accelerate your IoT programs success. The dynamic dashboard, insight, and visualization creation is a very powerful Flex83 capability, and this greatly reduces the cost, risk, and time to market for IoT solutions. But, this is only scratching the surface of what Flex83 can do. Please see our other Flex83 product briefs or set up a demonstration with us today. Better still, begin your free Flex83 trial today and get started!