

# Flex83 | Platform Introduction

**Maximizing operations efficiency, Minimizing asset downtime, and Simplifying maintenance and service.**



## **Features :**

**No-Code Options, Low-Code Options, Full-Code Options, Application Creation Services**

# 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

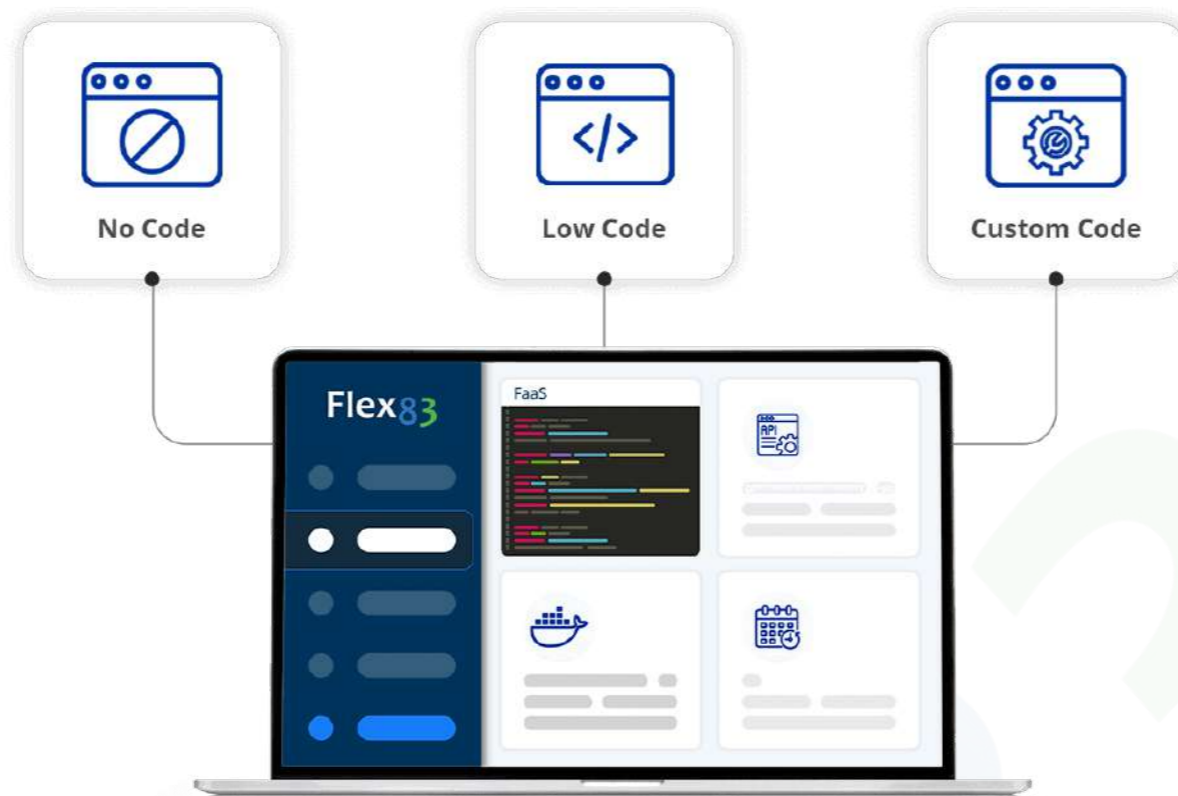
Our Application Enablement Platform (AEP) for building enterprise grade IoT solutions is now available as a highly flexible, scalable, and secure SaaS solution.

Truly democratizing Industrial IoT, now OEMs, enterprises, and operators can leverage IoT83's platforms and technology to build powerful IoT solutions with a "scale as you grow" investment model. Flex83 enables highly accelerated IoT application creation as well as dramatic reductions in cost, risk, and time to market utilizing a no-code / click-to-configure workflow.

Flex83 also provides an intuitive framework for "low-code" customizations, with an integrated API gateway to create secure RESTful interworking, function as a service (FaaS) algorithm management and hosting, IoT83's game changing dynamic ETL, and much more.

Finally, Flex83 also provides for Full-Code workflows, allowing customers to deploy custom code blocks, algorithms, analytics, or other functionality as integrated platform elements.

## Flex83 Consists of following Options



## Flex83 No-Code Options

The powerful No-Code Flex83 “Click to Configure” application development path allows you to simply connect your devices and configure the platform, and then Flex83 dynamically creates a complete set of professional-grade device monitoring and analytics dashboards. Flex83 provides all the tools, workflows, and features to securely connect sensors, devices, or other IoT flows, to create logical clusters of devices, to monitor device data for “trigger events”, and to launch appropriate actions in response to events or anomalies. Once configured, Flex83 automatically generates your application, with device monitoring, alarm management, “action-on-event” management, drill-down insights, and asset management, all as a coherent and complete IoT application.

## A few feature highlights include

### Organise devices by “Device Type”

Securely connect multiple device types publish data to Flex83 over MQTT Send “Actions” back to your devices.

### Create Device Attributes

Assign friendly names & units to data use Flex83 math functions on data create new derived or synthetic variables.

### Manage Your Devices

Assign names & locations to devices create Icons to represent your devices edit & manage the properties of devices.

### Monitor Device Data & Create Actions

“Watch & Act” on device or group data use nested “If / Then” action analytics trigger webhooks, RPCs, SMS & email

### Create & Manage Device Groups

Group devices for logical device MGT create tags for device groups create clusters of devices

### Create Dashboard Pages

Build drill-down dashboards on data configure aggregations & analytics configure events & action triggers

## Flex83 Low-Code Options

But, using the Low-Code AEP tools, Flex83 also provides the full set of IoT83 application enablement platform toolchains and workflows, enabling streamlined application creation with the depth of functionality you need to build virtually any IoT solution imaginable:



## Flex83 Full-Code Options

Finally, using the Full-Code Flex83 workflows, entire processing blocks can be added to the platform using a variety of programming languages. Function can be added as in-line processing high-speed ETL transformations, entire functional blocks, algorithms, or analytics, running either “always-on” applications, scheduled batch jobs, event-manager controlled jobs, or as serverless functions. The blocks leverage the underlying platform infrastructure for containerization, inter-platform communication, data-base access and other essential services. Because these Full-Code elements use the core building blocks of the platform, scalability, reliability, and security are built-in.

## SUMMARY

Using the click-through / no-code workflows, Flex83 lets the simple be simple. Using the intuitive Low-Code workflows and tools, still more “Magic” can be added to your application further extending its power and business impact. And, where needed, the Flex83 Full-Code workflows and tools lets you – or us – “lift the hood” to drop in powerful custom processing elements for advanced application requirements.

The bottom line is this: Flex83 is a powerful application enablement platform that dramatically reduced the cost, risk and time to market to create powerful IoT solutions. And with the multiple tools and options available, Flex83 offers your business a continuum of value – from the creation of your first application through the creation of multiple highly scaled applications that interwork with multiple other enterprise services. With Flex83, we let the simple be simple, but we provide the tools, technology, workflows and services to handle almost any challenge. Flex83 provides tremendous application creation flexibility – hence the name: Flex83.

**Try Flex83 Now – Experience the Difference**

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