IoT83 Connect. Automate. Optimize.

Introducing Flex83: 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.

Connections	**Data Transforms**	**Business Logic**	**Analytics & ML**	**Dashboard UX**	**Scale & MGT**

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:

Organize Your 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
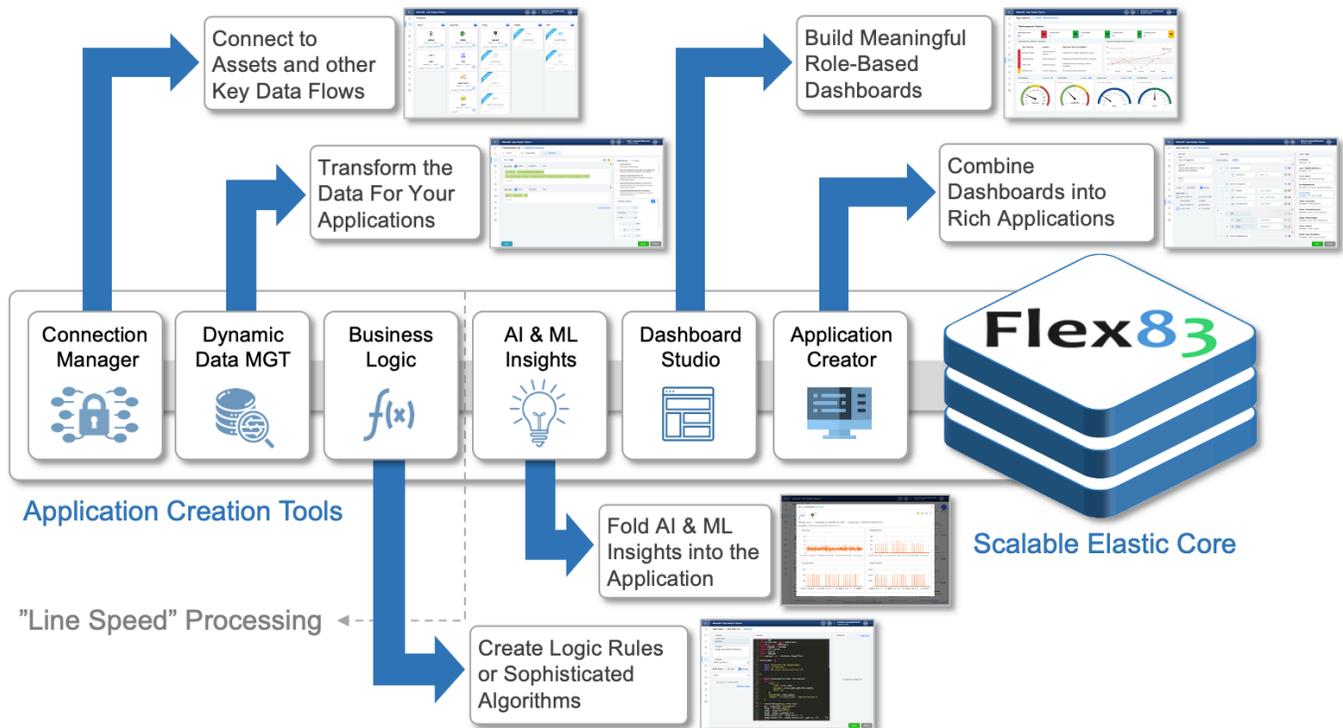
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Build & Launch Your Flex83 Applications
Customize the Look & Feel of your solution
Add device icons & asset connection maps
Publish & Share your Application

Easily Manage Your Flex83 Account
Choose the best package for your needs
Upgrade / Downgrade any time you want
Monthly recurring billing options

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:

Connect to Assets and other Key Data Flows

Transform the Data For Your Applications

Build Meaningful Role-Based Dashboards

Combine Dashboards into Rich Applications

Application Creation Tools

| Connection Manager | Dynamic Data MGT | Business Logic | AI & ML Insights | Dashboard Studio | Application Creator |

Flex83

Scalable Elastic Core

"Line Speed" Processing

Fold AI & ML Insights into the Application

Create Logic Rules or Sophisticated Algorithms

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.
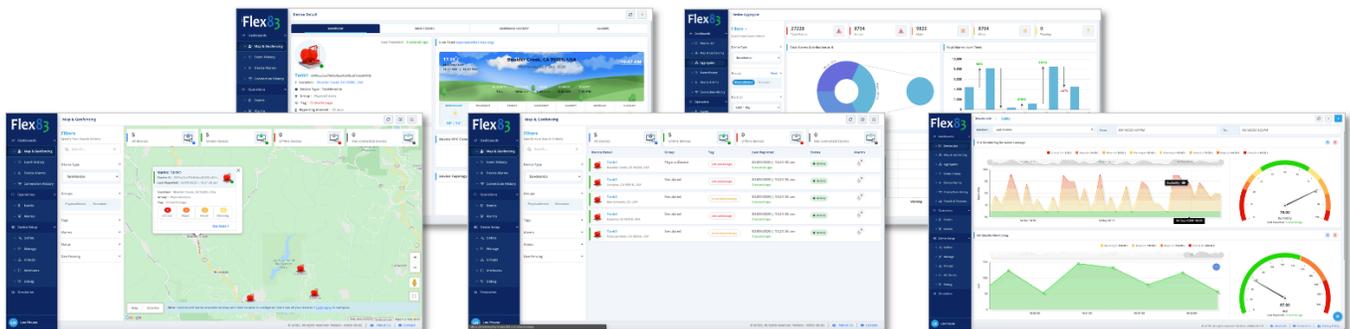
IoT83 Application Creation Services: Even with the streamlined workflows Flex83, some customers accelerate their application creation, validation and deployments with IoT83 Application Creation Services. Here, we work closely with your stakeholders clearly understand

your business needs and use-cases and detail a plan for fast execution. IoT83 has a very flexible services model to support customers on most any type of program.

Flex83 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.

Contact us at https://iot83.com for more information or to schedule a demonstration!