IoT83

The AIoT Platform

To Create, Deploy, & Operate
A Complete Enterprise-level
Solution Portfolio

Zero

Technical Debt

Flex83's customizable framework empowers you to build more reliable and flexible IoT solutions, minimizing long-term maintenance costs.

10X

Faster TTM

Accelerate your journey from PoC in just few days to an Enterprise-Ready Application in a month, scaling to meet growing market demands.

600%

TCO Savings

Cut total spend on solution ownership by up to 600%, turning multi-million-dollar investments into significantly lower costs, while retaining Full IP Ownership.

100M+

Scalability

With Flex Platform, scale effortlessly to handle over millions of devices, ensuring your solution grows as your business and operations expands.

Enable Business Transformation

Onboard Flex83 as Your AIoT Powerhouse

AIoT Platform

Build your unified data semantic layer instantly. Enrich Data, get Insights and make it available via secure APIs.

Asset/Device Management

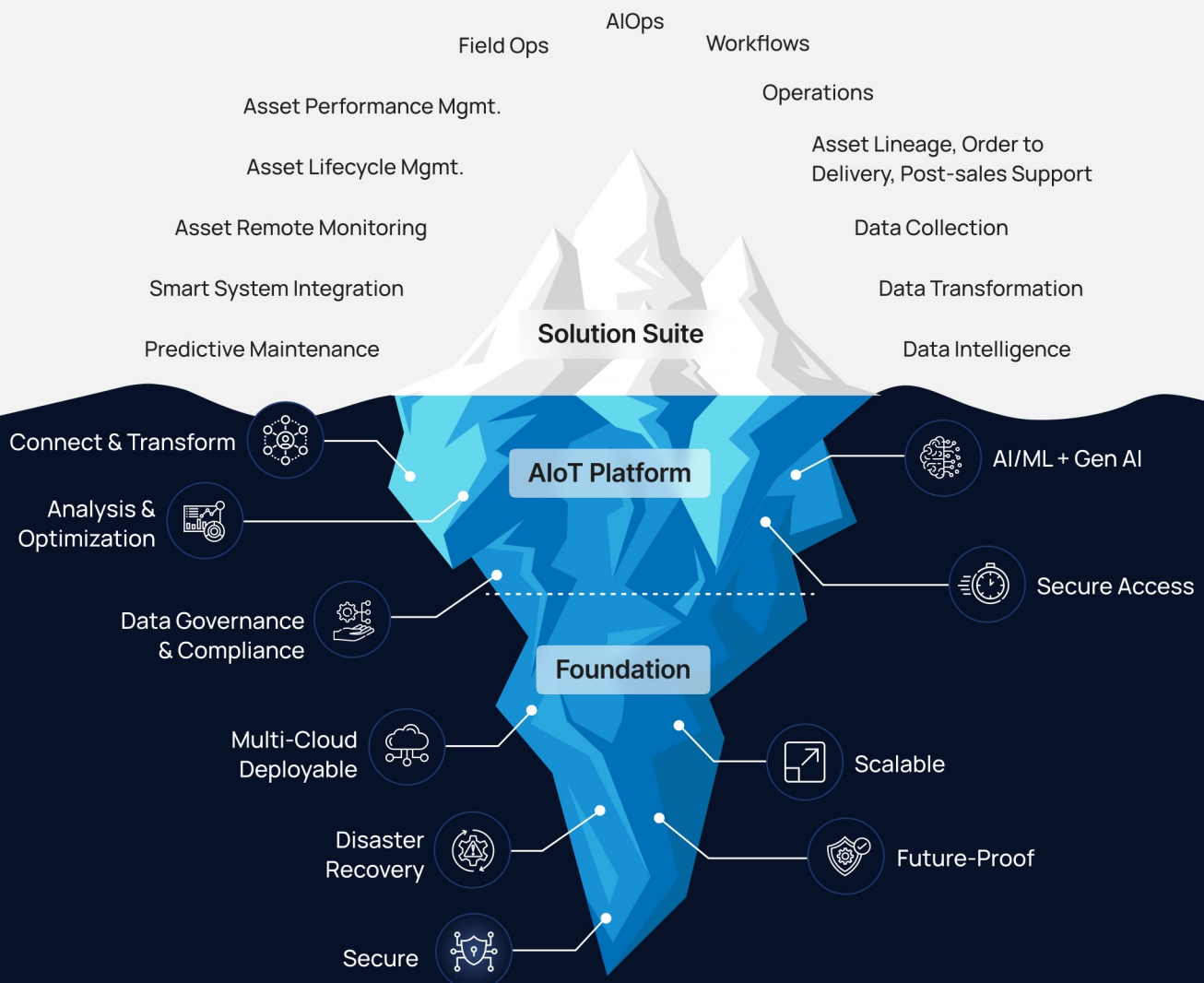A device (asset) manager more efficient than the hyperscalers and IIoTaaS for accelerated value creation.

AIoT Solutions

A proven multi-asset handler with 200+ functions to develop smart industrial solution suite.

How We Do It
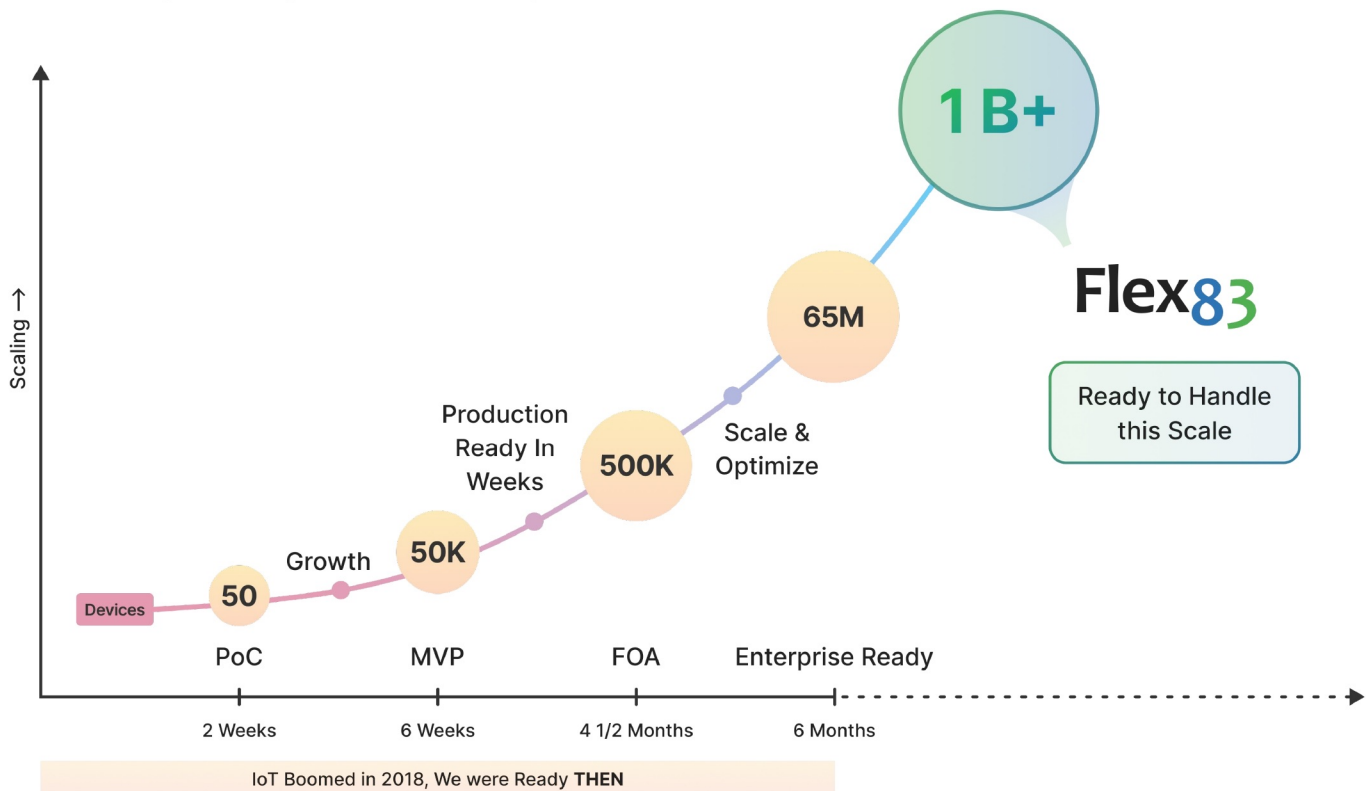
Blueprint to Own Your Custom IIoT Platform

AIOps

Field Ops

Workflows

Asset Performance Mgmt.

Operations

Asset Lifecycle Mgmt.

Asset Lineage, Order to Delivery, Post-sales Support

Asset Remote Monitoring

Data Collection

Smart System Integration

Data Transformation

Predictive Maintenance

Data Intelligence

Solution Suite

Connect & Transform

AI/ML + Gen AI

AIoT Platform

Analysis & Optimization

Secure Access

Data Governance & Compliance

Foundation

Multi-Cloud Deployable

Scalable

Disaster Recovery

Future-Proof

Secure

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IIoT-driven

Business Transformations & Success Stories

Platform Case Study 1: Building A Scale-ready IIoT Application in Record Time

Platform capability ensuring scalability from a few thousands of devices to **Millions+ in 6 months.** The image below reflects the actual development and deployment time for one of the largest service providers in the U.S., showcasing the real-world implementation of the Flex Platform and its impact on **operational efficiency, rapid application development, and scalability.** This demonstrates the Platform's capability to handle complex projects while meeting the stringent demands of large-scale enterprises.

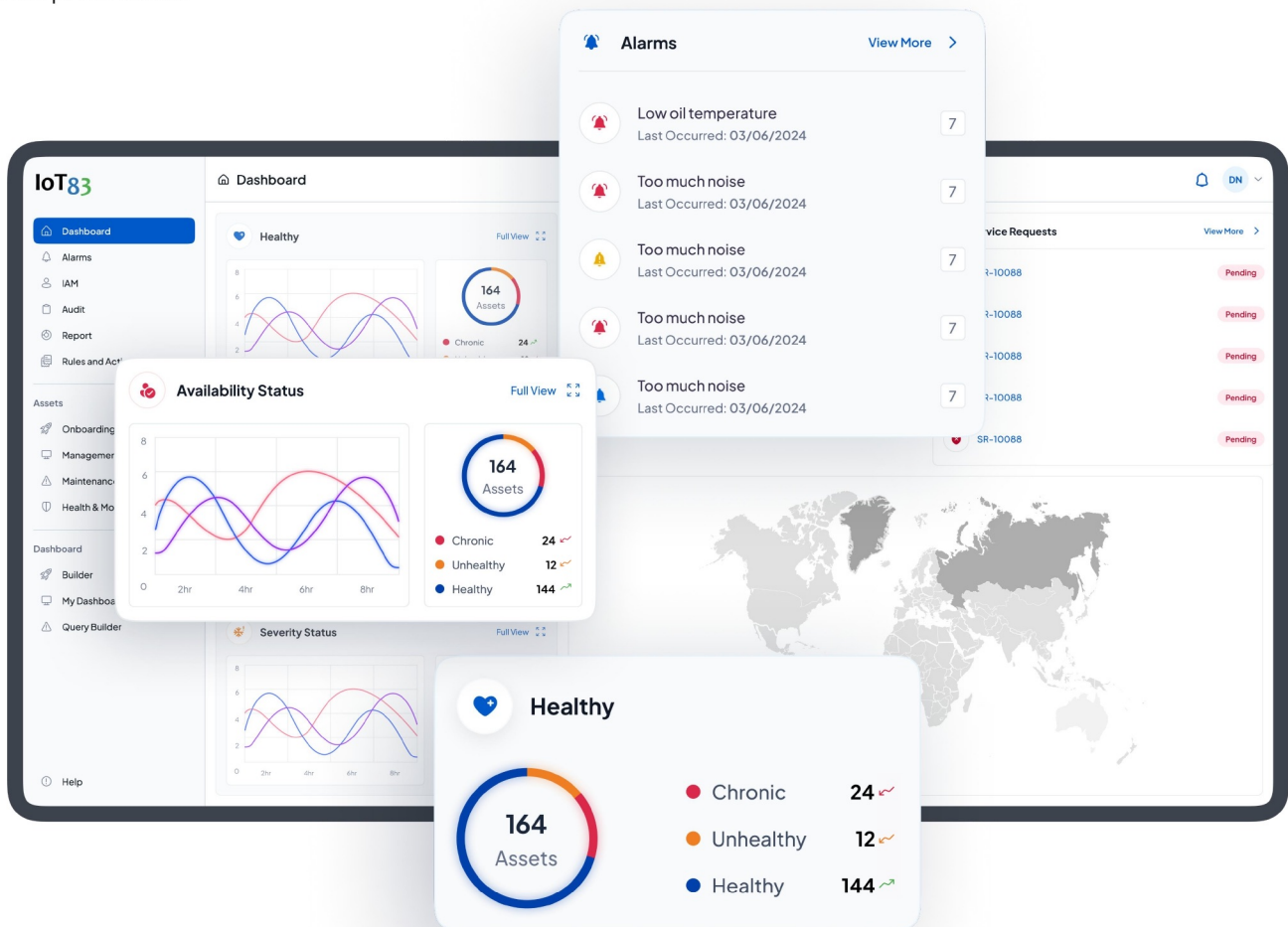### Platform Case Study 2: Optimizing Power Management with IIoT-Driven APM Solution

A leading global power management OEM required an IoT-driven asset management solution to unify & optimize the monitoring of UPS systems, motors, drives, and relays. Their existing infrastructure lacked scalability and customization for multi-tenant environments. IoT83 delivered a smart, scalable solution built on the Flex83 AEP, enabling centralized device management, real-time asset health monitoring, and AI-driven predictive analytics. The solution streamlined operations, enhanced customer engagement, and supported multi-tiered tenant accounts. As a result, the OEM significantly improved operational efficiency and reduced development time by threefold, positioning them for future scalability and growth.

Impact Area	Details
Data Handling	400,000 devices ingesting 1KB data every 15 min
Record Capacity	Support for 4M device records (10KB each)
High Availability	99.99% system uptime and storage SLA
Time to Market	83% faster using Flex83 pre-built microservices
Device Onboarding	Support for 400K+ devices

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Leverage Flex83 AIoT Platform

To Create Your Unified Semantic Layer & Accelerate Your Solution Development

Turn messy, multi-source data into ready-to-use building blocks—faster with Flex83 AIoT Platform. Connect PLCs/SCADA, MES/ERP/CRM, historians, files/APIs, and IoT streams once; the platform handles normalization, mapping, enrichment, and schema alignment through catalog APIs and reusable transforms. AI-driven asset lineage, quality checks, and governance make every dataset trustworthy and secure, while observability keeps costs in control. The result: you develop custom solutions in days, not months—faster to value, lower TCO, and rock-solid reliability at enterprise scale.

About Us

IoT83 is redefining how industrial OEMs & Enterprises build the future in the digital disruption era. Flex83, our AIoT platform, turns complex, siloed data into governed, real-time intelligence and deployable solutions — empowering you to innovate faster, scale smarter, and own your digital destiny.

Headquartered in the United States with deep enterprise transformation expertise, IoT83 partners with organizations worldwide to break through digital transformation barriers and unlock the full potential of their data, assets, and operational systems.

IoT83

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