



EXPEDITE AIoT-DRIVEN DIGITAL SERVICES WITH FLEX83

A production-grade AIoT platform engineered
across 50 enterprise scale dimensions



Proven at 65M+ devices. Ready for 1B+ scale.

Flex83 is a unified AIoT platform that eliminates fragmented data architectures and enables enterprises to transition from connected assets to scale-ready solution suite. Designed for OEMs and enterprise service providers managing assets and data from thousands to millions.

Edge-to-Cloud Intelligence Framework

Platform Capabilities Layers

01

Edge Device Orchestration

Distributed intelligence, multi-protocol connectivity, secure data.



02

Data Foundation

Real-time streaming, data lake architecture, schema registry.

03

Intelligence and AI/ML

Digital twins, MLOps, Predictive maintenance.



04

Application Framework

Workflow automation, Pre-built microservices, API-first design.

05

Security and Governance

Zero-trust architecture, ISO 27001 and CVE certified.



06

Operations Observability

99.99% SLA, Customized solutions, IP Ownership.

07

Business Enablement

Object-license billing, Multi-tenant monetization, GTM-ready platform.



Business Flow Matrix

The 50 Scale Dimensions Built for Stakeholders Who Cannot Afford the Architectural Failure

Engineering and Architecture

Scales without structural redesign

1. Millions of connected assets
2. Sub-second processing at high velocity
3. Stateless, Kubernetes-native elasticity
4. Multi-cloud and on-prem portability
5. API-first extensibility framework



Integration Ecosystem

Connecting existing systems

1. ERP, CRM, PLM, MES connectivity
2. Kafka, MQTT and streaming compatibility
3. Edge runtime with OTA updates
4. Real-time stream-to-batch analytics

Security and Compliance

Secure by design

1. Role-based access control
2. End-to-end encryption
3. Immutable audit trails
4. Multi-region data residency
5. Industrial compliance frameworks



Operations and Deployment

Continuity without downtime

1. Environment parity (Dev → Production)
2. Zero-downtime releases
3. Automated failover and disaster recovery
4. Observability with anomaly detection
5. Predictive maintenance



Data Intelligence

From fragmented data to governed intelligence

1. Real-time and historical unification
2. Parallel pipeline processing
3. Full lineage and impact visibility
4. Cross-tenant data isolation
5. AI/ML lifecycle orchestration



Developer Experience

Innovate without dependency

1. SDKs and API automation
2. Workflow orchestration engine
3. Feature lifecycle control
4. Plugin-based extensibility
5. Pre-built widgets



Business and Monetization

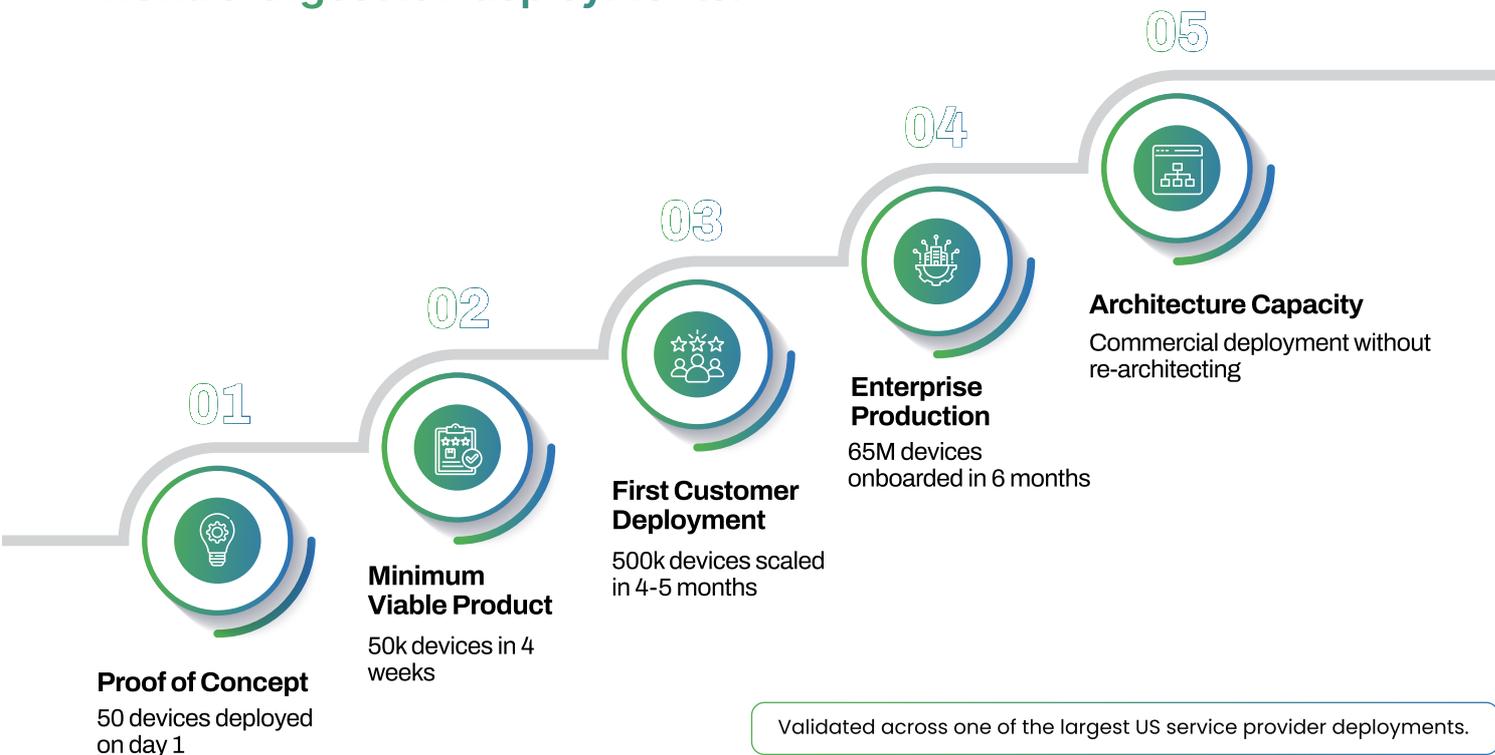
From connected assets to digital revenue

1. Usage-based service enablement
2. Dynamic service bundling
3. White-label service portals
4. Subscription and licensing orchestration
5. Multi-tenant environments



A Proven Scale Trajectory

Flex83 has demonstrated production-grade scalability across the world's largest IoT deployments.



Why Choose Flex83



About IoT83

IoT83 is a product technology company that enables enterprise-wide business transformation through Flex83, its AIoT platform. We empower organizations struggling with increasing spend on time and costs in maintaining data integrations, resolving operational gaps, and difficulties in adoption of AIoT innovations.

Flex83 replaces fragmented data architectures with a unified, cloud-agnostic foundation—enabling organizations to move faster from connected data to intelligent AIoT applications and measurable business outcomes.