

Akiro Brief:

Akiro is **one of the best-in-class IoT focussed Low code application accelerator platforms** in the world that is enabling businesses to solve various messaging and analytics use cases in various domains such as IIoT, Energy/Utility (Aquaculture, Farmtech, Smart energy meters), Alternate Energy(EV charging station companies), Edge Computing, Mobility (FFT, Ecommerce logistics) and consumer focussed IoT. Akiro is a cloud agnostic, scalable and secure platform capable of handling a scale of millions of devices operating at Low latencies and High reliability.

Akiro product brings value with the following advantages:

1. Quicker time to market (48 hours to 2 weeks)
2. Efficient Infrastructure (60% TCO reduction)
3. Improving Customer Experience
4. Better insights and anomaly detection.

The Akiro product is composed of 3 fundamental blocks as below.

1. **Messaging** : Akiro messaging is one of the most infra optimal IoT messaging modules designed to handle millions of connected devices in the most reliable fashion handling flaky networks. It is the only one that leverages kafka which is always available for downstream integration and comes with end to end security(TLS, encryption, cloud security and IAM). Further it supports both communication protocols (Mqtt, Http,Tcp/Ip, websockets) and Application protocols (DLMS, OCPP).
2. **Low code** : Low code automates aspects like onboarding of devices, user management, multi-tenancy, auto asset discovery/hierarchy, flows that allows building of real time pipelines and defining rules, generating real-time responses. Also offers a host of capabilities like schemaless storage to handle dynamic changes in data, asset monitoring, exports, and integrations.
3. **Analytics**: Akiro's schema less analytics enables the users to quickly start seeing the data analytics as soon as the data arrives, even if the schema is changed due to upgrades. Akiro's analytics is completely self-serve, where any user can create their own dashboards with complete multi-tenancy in place.
 - Quick Highlights
 - Create 40+ types of visual charts & highly customizable visualization
 - Reporting and Anomaly insights
 - Build instantly dashboards that customer needs
 - Bring operational efficiency & Ready Exports

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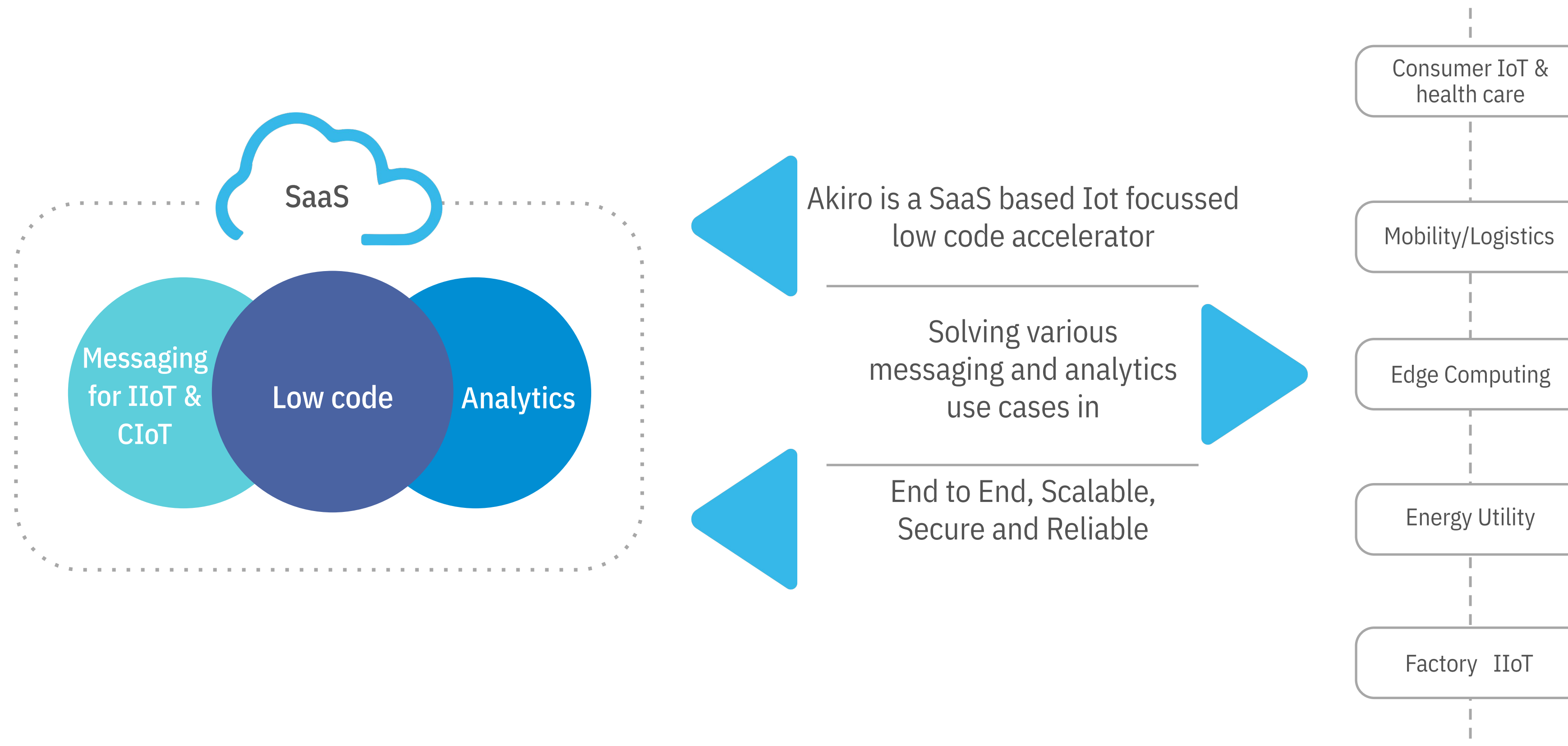
Enabling the Connected World in Real-Time

Empowering Intelligent Fluidic
connectivity and insights with
your devices

Easy, reliable, secure and Analytics at Scale



► Akiro Introduction



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Akiro - Few case study highlights



Go to Market

- Launch in 48 hours to ~2 weeks
- Data change lifecycle seamless made life of cust success team easy; Reduced schema percolation time from **6 weeks to 3 minutes** (by giving a schema less approach)
- Quick Integrations (over Kafka for e.g.)



Infrastructure Efficiency

- Optimal cluster helped them ease the operations.
- Saved 60% infra cost and significant maintenance costs
- Improved reliability in flaky/poor network conditions by 20%



Customer Experience

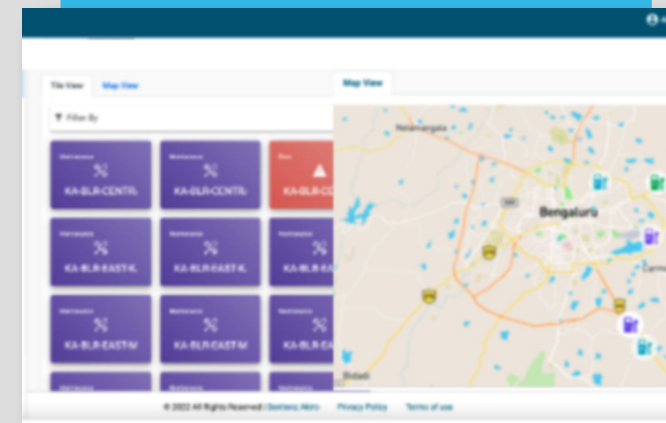
- Real time alerts helped their customer support team improve their response time and appropriate responses to the end customers
- Improved customer **retention by 10%** (by giving reliable mechanisms to control sprinklers)



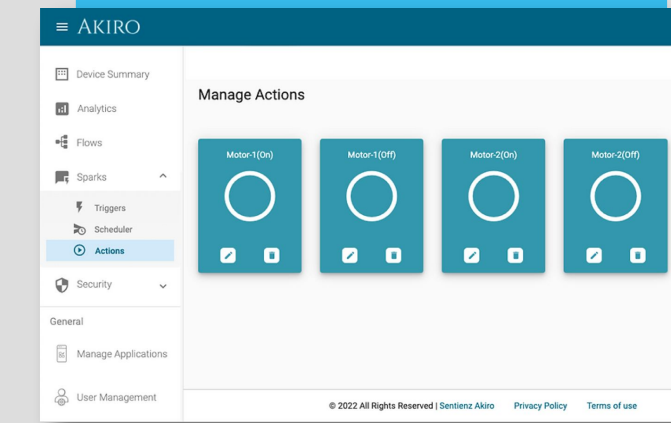
Better Insights

- Multiple data source analytics
- Better insights with real time analytics, live dashboards and complex rules processing

EV Charging Stations



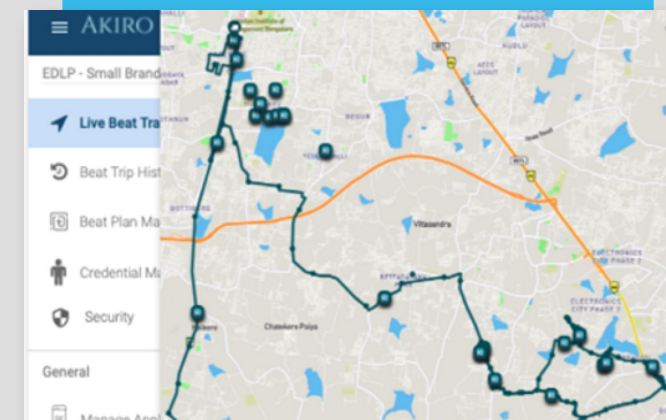
Aquaculture



Connected Vehicle



Realtime tracking (FFT)



Ride Share



Worker Safety



Soil Study



Set Top Box

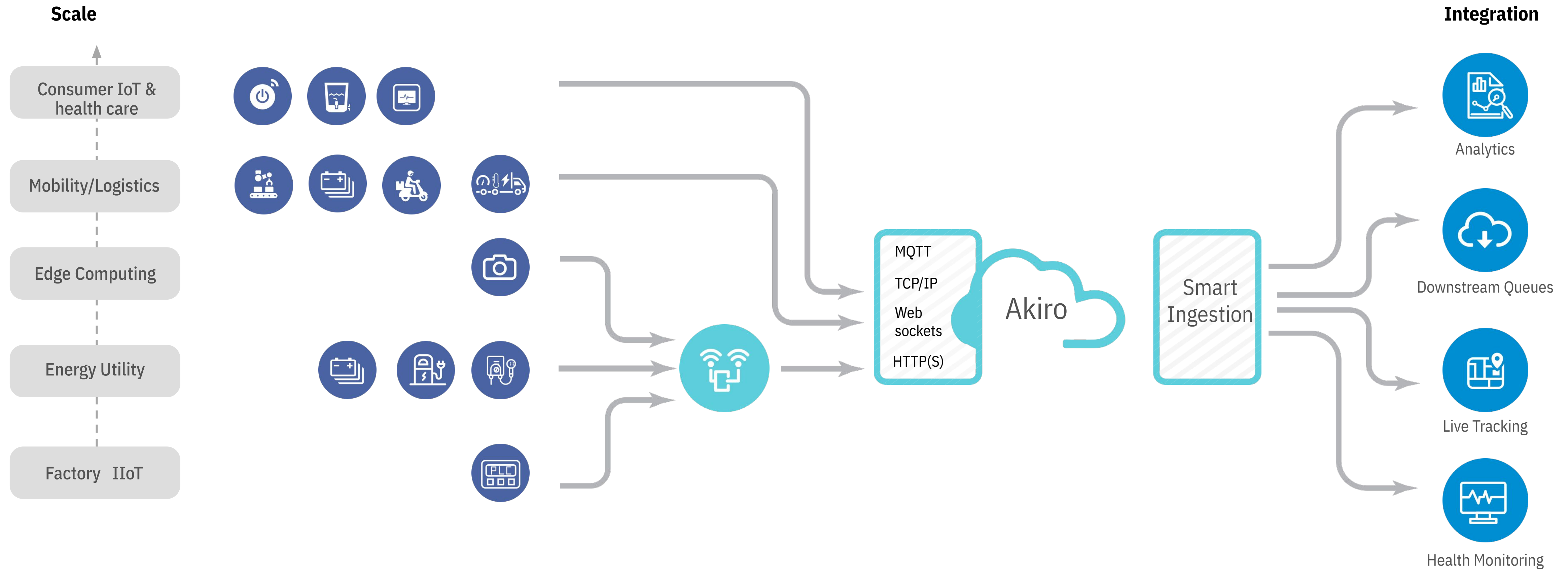


ECG Monitoring



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► How Akiro Solves



Diverse

- Both IoT communication & Application protocols
- Both Discrete data & Image

Secure

- TLS, Encryption etc
- Unusual Behavior
- Blacklist devices
- Quota Management

Reliable

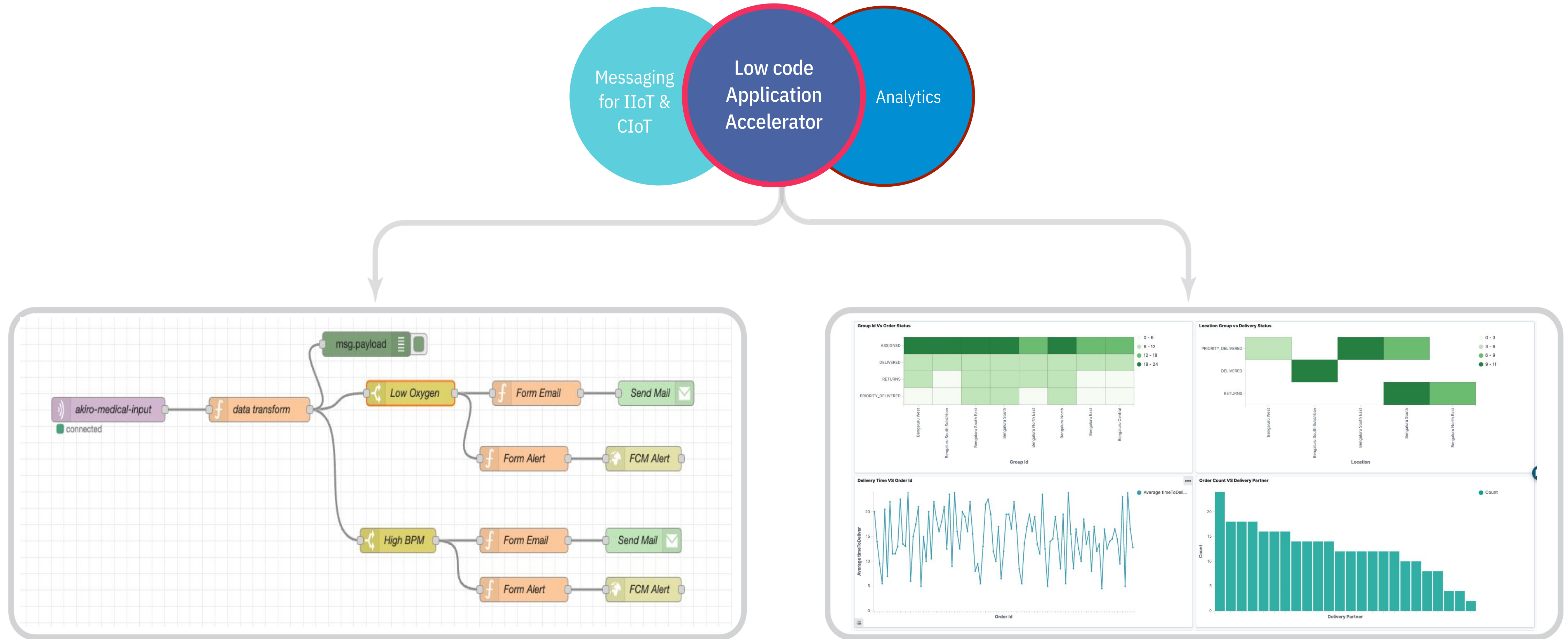
- Reliable in flaky network
- 10 mn devices in single cluster

Efficient

- Most optimal
- Only cluster to leverage kafka

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► How Akiro Solves



Ready, Ease

- Onboarding Devices
- User management
- Multitenant

Automation

- Auto Asset discovery and asset tracking in real time
- Rules Engine for anomalies and alerts
- Real Time monitoring
- Ready & diverse notification endpoint support

Real time

- Batch/Real Time Analytics
- Live Dashboards
- Data Insights
- Anomaly detection

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► Akiro brings Value

Enabling IoT and Edge in 5G Era



For your Business

Enhance customer experience

Seamlessly scale your business

Highly secure environment

For your Tech/ops

Quickly build solutions

Efficient Infrastructure
(significant cost savings)

Low Code

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Akiro - Enterprise aspects

- Scalable & Reliable
 - Ability to handle 10s of millions of devices
 - Reliably handle flaky networks
 - Low Latency

- Cloud agnostic
 - SAAS
 - OnPrem

- Security
 - username password
 - TLS/HTTPS, Encryption
 - X 509 certificate
- Others
 - Identity access management
 - Integration to LDAP etc
 - Device White Listing/Black listing
 - Alert Unusual behavior
 - Quota Management

- Others
 - Flexibility
 - Customizable
- Legacy to Modern Architecture

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