

# IQAX 360 Flex



## Optimizing and capitalizing value from the IoT devices installed in your reefers

Data collected from your IoT devices contain a lot of valuable information much of which has important financial implications. That information can help you save costs on Pre-trip inspections (PTI's) and help you provide enhanced customer service. It can also help drive better asset maintenance.

SCAN QR CODE  
TO REQUEST DEMO AT  
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IQAX

## Intelligent Platform to Elevate Your Operations

IQAX offers IQAX 360 Flex so that ocean carriers and reefer owners can manage all of their IoT devices, even devices from different brands, through one convenient platform. IQAX analyzes and harmonizes data from multiple sources using AI and machine learning allowing carriers to optimize PTI's and identify potential hot cargo loading.

The platform provides visibility to precise reefer container conditions and locations so that you're alerted only when there is a true potential impact. This enables you to improve operations, provide enhanced service and swiftly respond to customers.

The platform includes APIs for you to create your own location tracking and inventory applications and to integrate the insights and alerts to your in-house applications. IQAX also provides an online dashboard for your customers to track their shipments reefer condition.



## Reefer Asset Maintenance – Better Maintenance Planning and Execution

- Capture Pre-Trip Inspection supporting data remotely during trip, applying AI and Machine Learning to formulate a PTI plan to save time and reduce errors
- Identify operating hours of the reefer engine periodically and any irregularities in performance
- Identify problematic reefer components in advance
- Plan equipment optimization processes

## Reefer Container Monitoring – Better Customer Servicing

- Identify the handover of equipment and responsible parties based on location and time
- Monitor the execution of completed transport and compare with the initial estimation
- Visualize the closest available smart reefer containers for equipment optimization
- Visualize sensor readings (e.g. temperature, O2 & CO2 readings, humidity levels etc.) changes and trends
- Better understand the reefer situation by combining IoT data & shipment data, and resolve conflicts from different sources and combine IoT data with harmonized shipment information
- Receive filtered smart notifications when reefer conditions change from pre-defined thresholds
- Identify operational exceptions on reefer settings (temperature, O2, CO2, power supply)
- Identify sensor enabled alerts (e.g. Shock/door open, etc.)
- Identify reasons and causes for unexpected changes of reefer conditions and movements
- Reduce false alarms to focus on operational monitoring
- Identify bottlenecks in operations

# 01

AI-enhanced data about your reefer devices to save time and costs on PTIs, detect hot cargo loading, avoid time and resources spent on false alarms and view predictive ETAs for planning

# 02

Integrated shipment information with your reefer devices to easily respond to customers

# 03

Viewing reefer container status from a convenient single platform which saves time searching for and analyzing the data



## Reduce Operations Costs and Optimize Resources

- Save time and labor costs with effective and efficient execution of PTIs
- View unused containers on a dashboard to make decisions for operation planning
- Better predict future container positions and locations

## Increase Customer Satisfaction

- Notify customers of hot-loading before a container is loaded on a vessel to make adjustments and prevent claims
- Quickly look up precise container locations and communicate dynamic, predictive ETAs to customers
- Look up container conditions on demand and save a log of records for increased accountability
- Reduce time spent searching for the status of shipments to speed up customer response time

## Provide Premium Services

- Offer a service to monitor customers' cold cargo and send AI-driven alerts when deviations occur in order to prevent cargo loss
- Provide a bespoke view for customers to monitor container conditions and locations
- Offer APIs to your customers to integrate the container status with their existing systems