

USE CASE

Equipment Monitoring of Conditional Sensitive Moves



CHALLENGE

Classified and high value equipment costing £60 million are stored and moved between multiple locations with no visibility and no insights of conditions such as humidity and shock resulting in potential damage and high repair costs.



SOLUTION

IoT sensor to track location and monitor conditions of asset(s) in real time and be notified if exception occurs based on defined business rules including humidity and shock to measure and know if, when, & where damages occur.



VALUE

Platform provides full visibility based on real time sensor data attached to equipment enabling insights and measurements of climate and shock to monitor potential damage and document history for quality assurance. ParkourSC Platform Examples Monitor Condition

ParkourSC Customer Example

Monitor Condition of Equipment Stored at Facility

Asset Details

T70-T026803B

Asset ID: T70-T026803B
 Category: Asset
 Sensor ID: T026803B
 Status: MONITORED
 Bound: 06/15/2021 6:04:41 pm
 Shipment: MDC Govan Gas Turbine

18.3 °C Temperature (as of 15:29:00)
 57% Humidity (as of 15:29:00)
 0g Shock (as of 15:29:29)

Location: Latitude: 55.867723 Longitude: -4.302033 Near: Glasgow

Environment Condition T70-T026803B

Temperature: 18.3°C (as of 15:29:00)
 Humidity: 57% (as of 15:29:00)
 Shock: 0g (as of 15:29:29)

Alerts:

- CRITICAL** 9+
- WARNING** 4

06/16/2021 1:59:00 pm
 Critical
 Detected for Humidity: 63% no action needed
 Asset/Container Impacted: T70-T026803B

Track and log location and conditions such as humidity and shock for high value and climate sensitive equipment. Set tolerances in the rules engine to receive alerts when deviances occur to support mitigation processes.

Track Equipment in Transit and Report on Full End-to-End History

Equipment movements can be tracked with shipment information and issue resolution workflows can be configured based on business rules. Analytics and detailed KPI reports can be generated providing the end-to-end history of equipment and shipment insights for quality assurance to be shared with all involved parties.

Confirm Issue Resolution

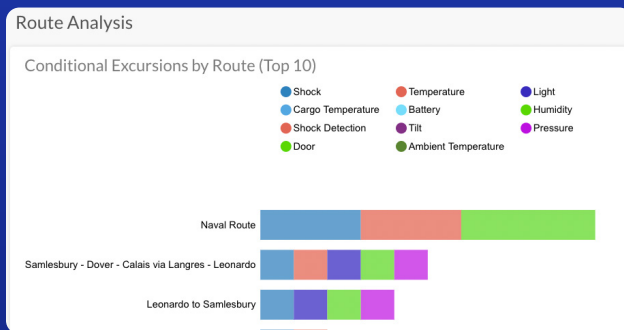
Verify you've completed the following to resolve selected alert.

Not an issue

Notes

Confirm

cancel



Wincanton

Shipment Report Summary

Shipment Details

Name: MDC-Govan Gas Turbine

Status: Completed

Airway Bill Number

Shipper: Wincanton

Assets

Quantity of Assets: 1

Asset Name: T70-T026803B

Shipment Timeline

Actual Departure: 06/16/2021 1:30 pm

Actual Arrival: 06/16/2021 2:10 pm

Planned Departure: 06/16/2021 5:00 am

Planned Arrival: 06/16/2021 6:00 am

Shipment Duration: 40 mins

Arrival Status: Late

Departure Status: Late

Excursion Summary

Total: 5

- Temperature: 1
- Humidity: 1
- Arrival: 1
- ETA: 1
- Origin Delay: 1

Shipment Profile

Temperature (in C): 14 to 21

Humidity (in %): 30 to 60

Light (in Lux): 10 to 100

Pressure (in hPa): 900 to 1000

Shock (in g): max: 5

Sensor Profile

Recording Interval: every 10 mins

Reporting Interval: every 20 mins

Asset Report

Shipment Name: MDC-Govan Gas Turbine

Asset ID: T70-T026803B

Category: Asset

Sensor ID: T026803B

Shipment Status: Completed

Conditional Summary

	Min	Max	Median	Std. Dev.
Shock	0.00	0.00	0.00	0.00
Temperature	13.50	19.30	18.05	1.59
Humidity	50.00	68.00	53.00	4.29

Excursion Summary

Temperature

Time	Value	Severity	Lat	Lng	Address
06/16/2021 11:39 pm	13.9 °C	Critical	55.867723	-4.302033	

Humidity

Time	Value	Severity	Lat	Lng	Address
06/16/2021 5:09 pm	61 %	Critical	55.867723	-4.302033	