

# Supply Chain Cloud

Cold-Chain as a Service

- ✓ Supply-chain automation
- ✓ Cloud based monitoring
- ✓ Validation and training



# Introduction

The cost effective GDP driven solution delivering up to the minute temperature and location data critical to verifying product safety and on time deliveries.

## Automation

Customised client Dashboard  
enabling global access to;

- Status of active shipments
- Historical shipping data
- Global performance of excursions, rejections and on time delivery
- Project performance
- Route performance
- Site performance



## Cold-chain monitoring solutions

We offer a comprehensive selection of innovative and cost effective cold chain temperature monitoring solutions delivering critical time - temperature data when and where it is needed!

- ✓ Meet data recording requirements
- ✓ Operate in a range of temperatures
- ✓ Designed to meet your requirements

# Protect + Control + Transform

Your supply chain using robust hardware coupled with an easy to use online utility partnered with our services designed to assist you at every step.



## Data Management

Automated archive... Be audit ready with historical shipment data available at your finger tips.



## Data Analysis

Review and improve... Plot your collected data in Graphical, statistical and tabular formats, review high risk shipping routes and take action to improve your shipping processes.



## Data Integration

Stream data into existing supply chain management, quality management and ERP systems.

## Monitor

At a glance.. Cloud based software delivers notifications on the integrity, location and thermal profiles collected in your global multi-sensor network.



# A solution for any application



## Warnings

Take action... Configurable trigger events dispatch warnings before a problem is going to occur, when corrective actions are not viable both the shipper and recipient can be made aware of an issue before the time temperature sensitive product arrives.

## Validation and training

WP will assist you in the supply of a single 21 CFR part 11 compliant cloud platform and turnkey supported of hardware configuration, and management of data and alarms. Fleet management services include the distribution of preconfigured and redeployment of reconfigured dataloggers



## Report

Automated on delivery. Comprehensive reports are generated and distributed on arrival without user intervention. Reports contain shipping route and key temperature data including out of limit excursions.

# Case study



The largest generic drug manufacturer and one of the top 15 pharmaceutical companies in the world has an extensive supply chain reaching all corners of the globe.

## The solution

CHaaS (Cold-Chain as a Service) combines four key ingredients (1) Outsourcing the management and preparation of calibrated devices (2) Automating the configuration, analysis and reporting at shipment level (3) Outsourcing alarm management of out of limit events, with our MARS team contacting assigned personnel

who can correct an issue before it becomes a problem and (4) Route Analytics is a risk Analysis using GPS/Time/Temperature statistics that are analysed by our QA team to help avoid identify where issues occur, make changes and minimise product loss.

“Staff involved in the supply chain were instantly alleviated from the burden of managing equipment and data, global access to a secure cloud based platform containing historical data ensured they were audit ready from day one. Equally important were the improvements made to the handling of out of limit events, the MARS team on one occasion detected an issue when product was left on a runway, contacted the airport and ensured it was moved to a temperature controlled area before the temperature had a detrimental impact on the product.”

TEVA PHARMACEUTICALS | SUPPLY CHAIN VALIDATION MANAGER

To read this case study in full please visit our [website](#)

# CHaaS Cold-Chain as a service

## Why you should buy from us



### ✓ Monitoring and response

24/7 excursion monitoring and troubleshooting services.



### ✓ Premium support

Escalated service level agreements with 24/7 access to professional support.



### ✓ Performance reviews

Quality performance reviews: Periodic trends analyses and troubleshooting.



### ✓ Logistics and inventory

Reverse logistics and inventory management: Automated CHaaS management to ensure on demand supply.



### ✓ Validation

Packaging and lane validation: Shipping route and packaging validation.



### ✓ Calibration and training

Routine calibration and training

## Contact details

We welcome all inquiries, so please call or email details through and we will get back to you with a solution.

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