



SETTING NEW STANDARDS
IN TEMPERATURE
CONTROLLED OCEAN FREIGHT
DHL OCEAN THERMONET



INTRODUCTION TO DHL OCEAN THERMONET



Modal Shift in Life Sciences Transport

DGF is the market leader in Life Sciences transport. The Life Science industry is facing a modal shift as more and more cargo is moved by ocean and standards are rapidly evolving (GDP regulations, SOP's etc.). Forecasts from studies indicate that the importance of ocean freight in life sciences transport is growing significantly.

Costs are the primary contributor towards this shift as companies look to reduce their transportation costs in response to a challenging economy.

With DHL Ocean Thermonet DGF addresses the changing customer needs with a competent ocean freight offering specifically designed for Life Sciences customers.

CUSTOMER CHALLENGES

- Inconsistent service quality due to the lack of standardized process through the supply chain.
- Limited visibility and control during the point to point transport.
- Increasing regulatory requirements for compliance throughout the supply chain.

CUSTOMER LOGISTICS REQUIREMENTS

- Maintain product integrity, through robust, compliant temperature control & handling/storage
- Improved transparency, visibility and control of product flow
- Reduce overall logistics process cost
- End-to-end solution & value based services

KEY FEATURES



Expert Network

- A network of Certified Life Sciences Stations compliant to DHL Thermonet's GDP Guidelines
- Trained specialists on GDP regulations with periodic re-fresh and audits



Quality and Compliance

- DGF Quality Management System (QMS) and GDP guidelines
- Life Sciences specific supplier management program
- Certification and audit process steered centrally to maintain global compliance



Cold Chain Design and Implementation

- SOP design and implementation
- Automated SOP change management and version control
- Proactive contingency plan design available as part of each customer's SOP



IT Platform

- One global, network-wide 'Life Track' IT system designed specifically for Life Sciences
- A fully integrated cold chain data source for all logistics events and temperature data
- Data-driven analysis enables on-going, continuous shipping process improvement



Visibility and Monitoring

- Near real time monitoring 24/7/365 worldwide of temperature, humidity and location using Container Security Devices
- All shipments monitored against the customer's agreed SOP

CUSTOMER BENEFITS

Reliability

- Shipments handled by Life Science specialists
- Active monitoring ensuring safe and reliable transport of sensitive cargo

Compliance

- Handling and processes in line with Good Distribution Practice and other pharma transport regulations

Flexibility

- Capability to customize transport according to individual requirements

More Control

- Increased visibility combined with the customized SOP provides more control to meet specific customer requirements

Visibility

- Increased transparency and protection across trade lanes

VISIBILITY & MONITORING

DHL OCEAN THERMONET PROVIDES DOOR-TO-DOOR MONITORING 24/7
TO ENSURE VIABILITY OF CARGO



YOUR QUESTIONS ANSWERED



Does DHL Ocean Thermonet only consist of devices?

No, DHL Ocean Thermonet is a Product that includes devices, GDP compliant processes, visibility via an online platform, and 24/7 monitoring with intervention management. This increases the reliability and transparency of logistic processes.

How is DHL Ocean Thermonet compliant with GDP?

DHL Ocean Thermonet is compliant to DHL Thermonet GDP Guidelines which is in line with EU GDP Regulation.

In which countries is DHL Ocean Thermonet available?

Depending on your shipping needs we can offer DHL Ocean Thermonet everywhere in the world. For certain locations we may need some time to set the service up, but basically there is no limit with regards to countries or trade lanes.

Who takes care about installation and activation of devices?

Either our Local DHL Ocean Thermonet contacts or the customer. It depends on the arrangement with the customer. DHL team offers local guidance and training sessions for customers.

What does intervention management include?

In case an alert occurs, triggering an incident, the 24/7 monitoring team contacts the responsible persons as laid out in the customized SOP who will then take actions accordingly.

How can I access the logged data?

You can access the logged data via the portal directly. In addition our 24/7 monitoring team could proactively keep you updated on the latest status. After final delivery, DGF provides you with a summary report.

Can I use reefer containers without DHL Ocean Thermonet?

Yes, DHL Ocean Thermonet is optional. It's an add-on solution for LS&H customers who have special requirements such as GDP compliance, or 24/7 monitoring, etc. for their shipments.

You can find out more about DHL Ocean Thermonet
online at **www.dhl.com** or by contacting your
local sales representative.

