

Lane Risk Assessments

DSV Air & Sea
Feb 2022



THIS SIDE UP

Store below 25° C

5 0 4 4 5 7



Healthcare inside

DSV

Lane Risk Assessments

“Shipping route risk assessment is a regulatory requirement according to GDP. The route risk assessment includes an evaluation of service providers (contract acceptors), their infrastructure (warehouses) and processes designed for shipping pharmaceutical products.”

<https://www.pharmoutsourcing.com/Featured-Articles/192269-Pharma-By-Air-Equipment-Qualification-and-Route-Risk-Assessment/>








Data collection is a major burden for all parties

Data is scattered often not up-to-date, and difficult to access and share

Route optimization based on cost vs quality is difficult

Lane risk Excel based approach

											
Cold Chain schedule BRU - TLV Pharma Consol ULD, Service Type +15C - +25C, Airline: ELAL, Winter Profile											
											
Last update 25/6/19											
											
In hours	TBA	24	2	24	2	5	2	TBA	TBA	TBA	TBA
Total lead-time	TBA	24	26	50	52	57	59	TBA	TBA	TBA	TBA
Steps	Pick up from Shipper	Transfer at Local DSV office	Transport to Airport of origin	Storage at Airline	Ramp, Loading to Aircraft	Flight LGG-TLV	Destination Ramp/ Handling	Destination Storage at Airline	Customs clearance	Ramp/ handling	Delivery to Consignee
Location	Various	Brussels Airport	Liege Airport	Liege Airport	Liege Airport		Maman, Tel-Aviv Airport	Maman, Tel-Aviv Airport	Maman, Tel-Aviv Airport	Maman, Tel-Aviv Airport	TBA
Temperature requirements	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C
Total risk factor	LOW	LOW	LOW	LOW	MEDIUM	MEDIUM	MEDIUM	LOW	LOW	LOW	LOW
MIN/MAX temperature - Winter profile October - April	-2°C / +26°C	-2°C / +26°C	-2°C / +26°C	-2°C / +26°C	-2°C / +26°C	+2°C - +8°C	+8°C / +25°C	+8°C / +25°C	+8°C / +25°C	+8°C / +25°C	+8°C / +25°C
Cold chain facilities/trucks/temperature monitoring	Shipments picked up with Temperature controlled 15-25C truck	DSV GDP Temperature Controlled Warehouse	DSV delivers with Temperature controlled 15-25C truck	Temperature Controlled Warehouse	N/A	N/A	N/A	Temperature Controlled Warehouse	Temperature Controlled Warehouse	Temperature Controlled Warehouse	Temperature Controlled Truck
Risk mitigation actions	-Truck in compliance with temperature requirements	Wrapping ULDs with Thermo Blankets	-Truck in compliance with temperature requirements	-AWB with temperature indication -Shipment to be allocated in +15°C to +25°C cold room	-Pharma service -Last in aircraft (1 hour prior to departure), flight flights only		Cargo flights only. Cannot use escort cooling dolly service. (Arrival always early mornings) - Coordinate Immediate reception at w/h	Break skids off ULD inside Temperature controlled room only		Pre-Cool truck to required temperature set point 30 minutes prior to journey	-Truck in compliance with temperature requirements
											
											
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Temperature requirements	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C	+15C - +25C
Total risk factor	LOW	LOW	LOW	LOW	HIGH	MEDIUM	HIGH	LOW	LOW	MEDIUM	LOW
MIN/MAX temperature - Summer profile May - September	+6°C / +35°C	+6°C / +35°C	+6°C / +35°C	+6°C / +35°C	+6°C / +35°C	+2°C - +25°C	+20°C / +45°C	+20°C / +45°C	+20°C / +45°C	+20°C / +45°C	+20°C / +45°C
Cold chain	Shipments picked	DSV GDP	DSV delivers with	Temperature	N/A	N/A	N/A	Temperature	Temperature	Temperature	Temperature

KPI...do you considerate ?

y net



חברות התעופה הדייקניות בעולם

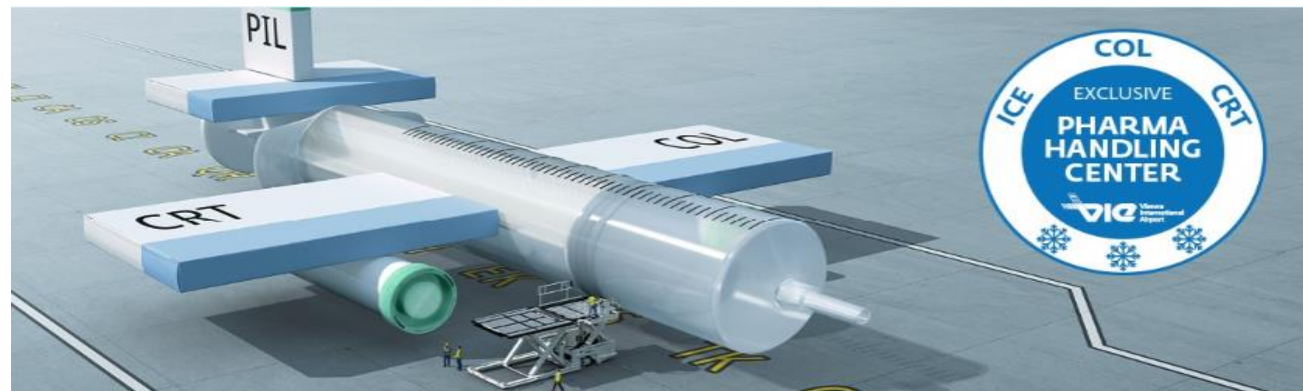
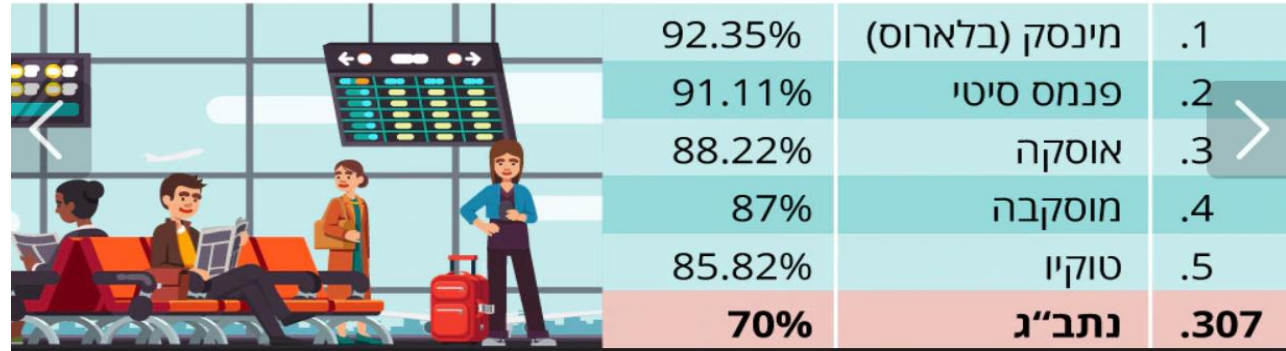


*אחוז הטיסות שיצאו בזמן

10 החברות הדייקניות בעולם בשנת 2018, ואל על שבמקום ה-32

y net

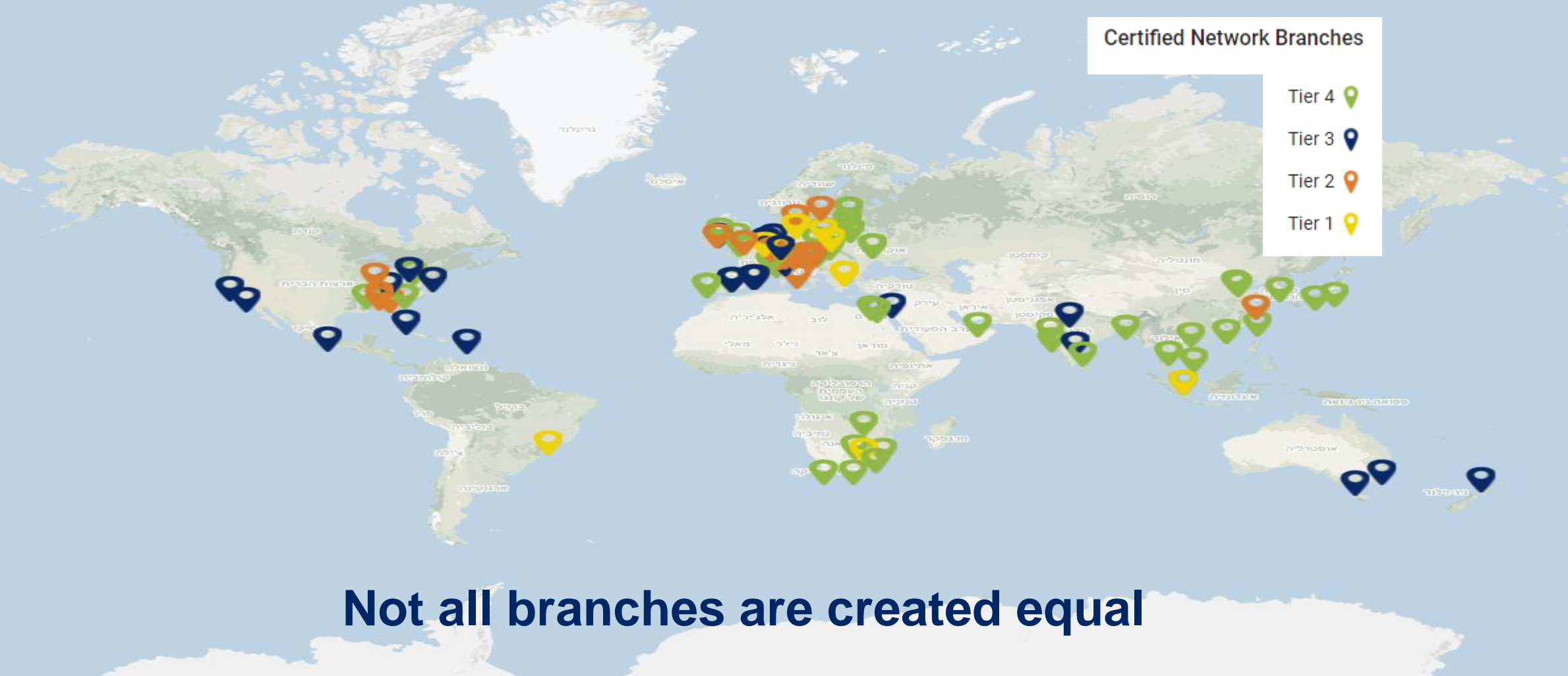
נמלי התעופה המדויקים בעולם



VPHC | VIENNA PHARMA HANDLING CENTER

DSV Pharmaceutical & Healthcare

Network of 109 Branches



Dolly Service..... Yes? No?



Digital innovation in supply chain management.

Goal : Move from Excel-based approach to a more scalable and objective

- Easily identify and compare air freight routing options
- Shorten lane validation
- Special handling capabilities of logistics providers are gathered in one place
- The platform relies on up-to-date information from its logistics users
- System that replace inefficient and repetitive processes by a central online communication platform for the benefit of all supply chain partners

Global PharmaQMS Risk Management



Validaide / Digital Lane Risk Assessment

Locations / BSL Station, (Swissport International Ltd, Basel) (BSL)
Swissport / BSL Station, (Swissport Intern... (📄)

Profile Capabilities

Available Information
You have access to information from 12 out of 21 companies about this location.

Current View Swissport **Reviewed**

Standard Profile: Public
Extended Profile: Shared

Capability Completeness
Standard Profile: 100%
Extended Profile: 100%

Responsible Users
Defined by MS Manfred Spycher
Submitted on 24 Jul 2019

Capability Summary
Capabilities defined by Swissport on 24 Jul 2019

Pharma

Certificates
CEIV Pharma GDP Wholesaler Licence

% Pharma Quality Core Capabilities
92%

Facilities
Freezer 23 m² Cold Room 93 m²
CRT. 7500 m² ACT Plugins 30

Security

Certificates
TAPA RA3 C-TPAT

% Security Core Capabilities
78%

Facilities
Vault 9 m² Cage 0 m²

Certificates

Perishables
IFS ISO 22000

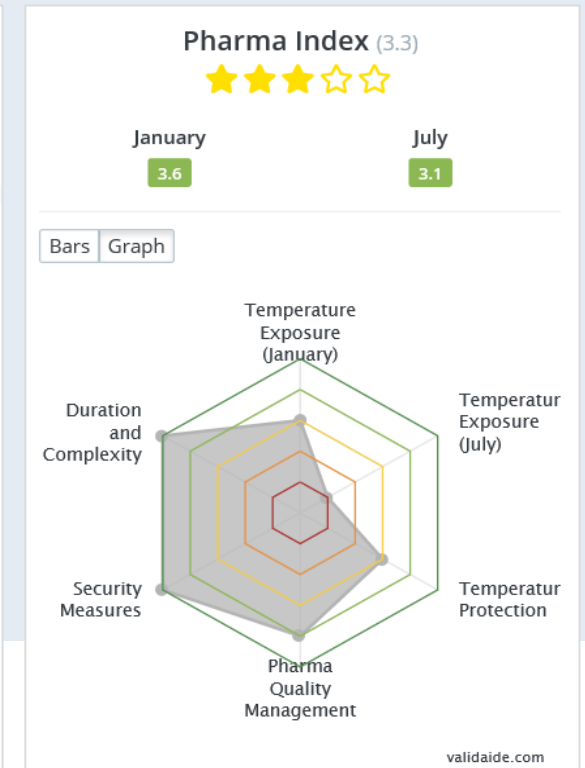
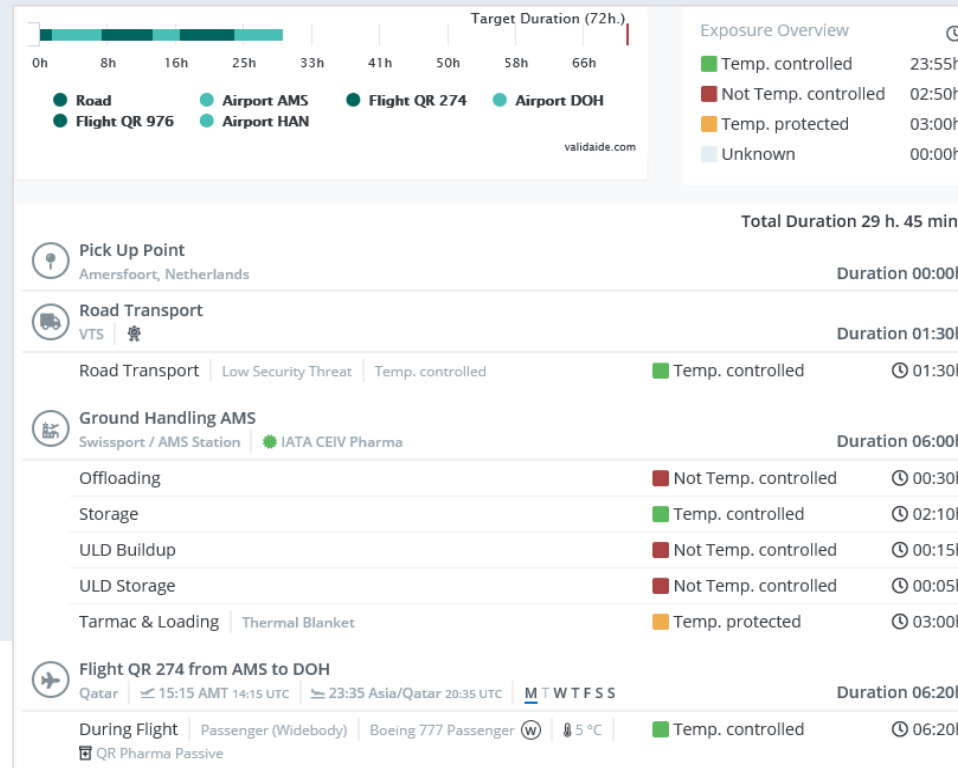
Additional
ISAGO OHSAS 18001 ISO 9001 ISO 14001

Capabilities on ground handlers



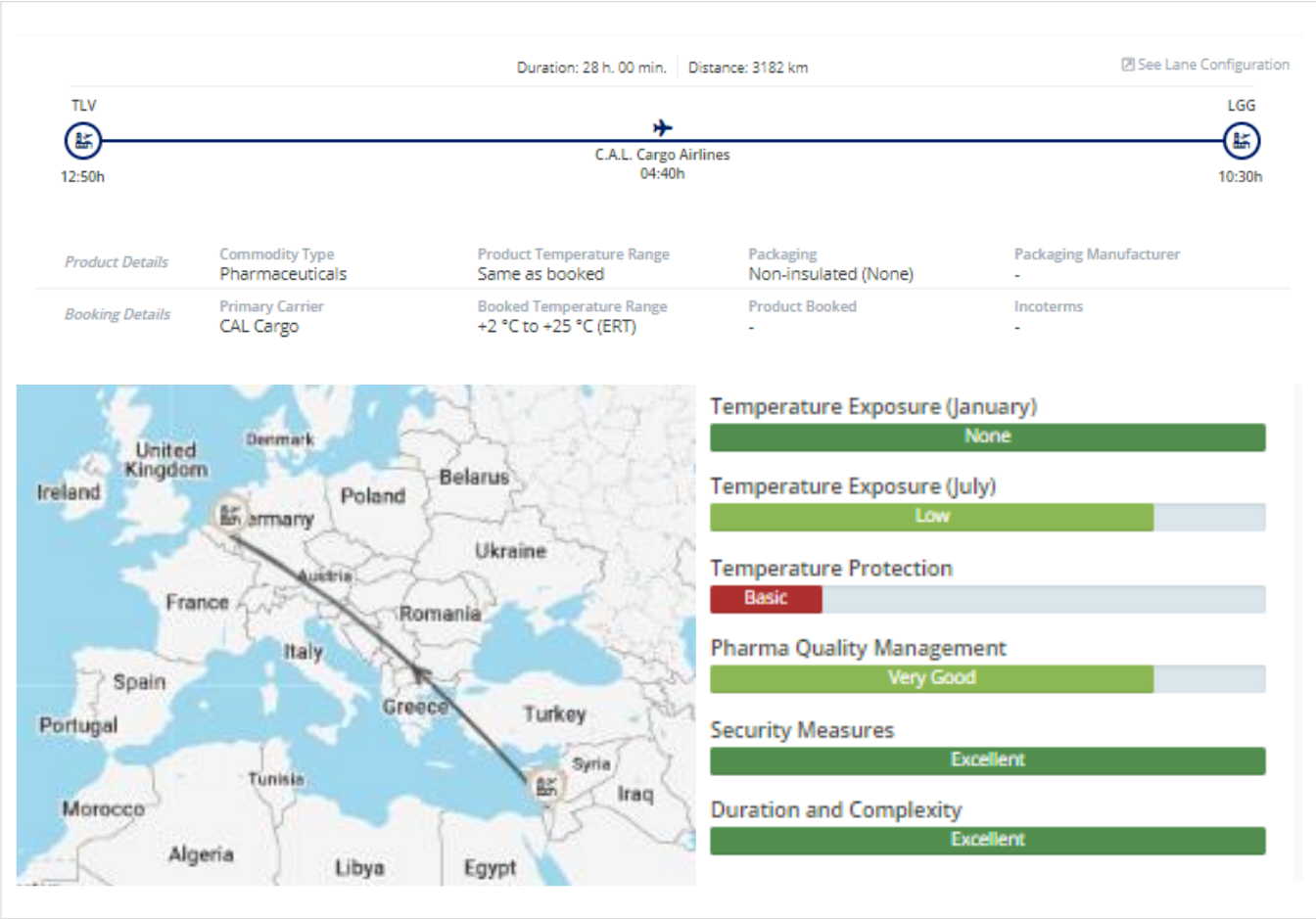
Validaide / Digital Lane Risk Assessment

Assessment of Lanes on multiple quality factors



Validaide / Lane Risk Assessment

How do we access lane risk



We use Validaide to assess lane risk in the following categories:

- 01 Temperature exposure

- 02 Temperature protection

- 03 Pharma Quality Management

- 04 Security measures

- 05 Duration and complexity of routing

Supplier Management

We ensure our suppliers comply with regulatory and customer requirements



Suppliers are evaluated through the use of Validaide questionnaires and audits where applicable



Approved suppliers must have a signed **technical agreement** in place



Approved suppliers are subject to **re-evaluation every three year** as a minimum

Carrier Management

Examples of our core suppliers



*CEIV Certified

Global Visibility IT Technology

DSV

DSV Visibility

Live cargo tracking

The screenshot displays the DSV Visibility Portal interface. On the left, a sidebar shows shipment details for SPC9000351, including status (Ongoing), last received time (15 Nov, 17:57), shipment ID, consol ID (17244819685), tracker ID (G23546), last location (14 Nov 2020 18:48), client address (N/A), start date (12 Nov 2020 12:50), end date (N/A), pickup address, and delivery address. The main area features a map of Europe and Africa with a green line indicating the shipment route and a red pin at the current location. The top navigation bar includes options like MAP, SHIPMENTS, CONSOLS, DEVICES, and PLANS.

DSV Visibility Portal

Monitoring/alert capabilities

- Long standstill periods
- Temperature/humidity deviations
- Shock/tilt exposure
- Arrival/departure from critical locations
- Geofences transport route
- Package/container breach (*light*)



Scenarios (examples)

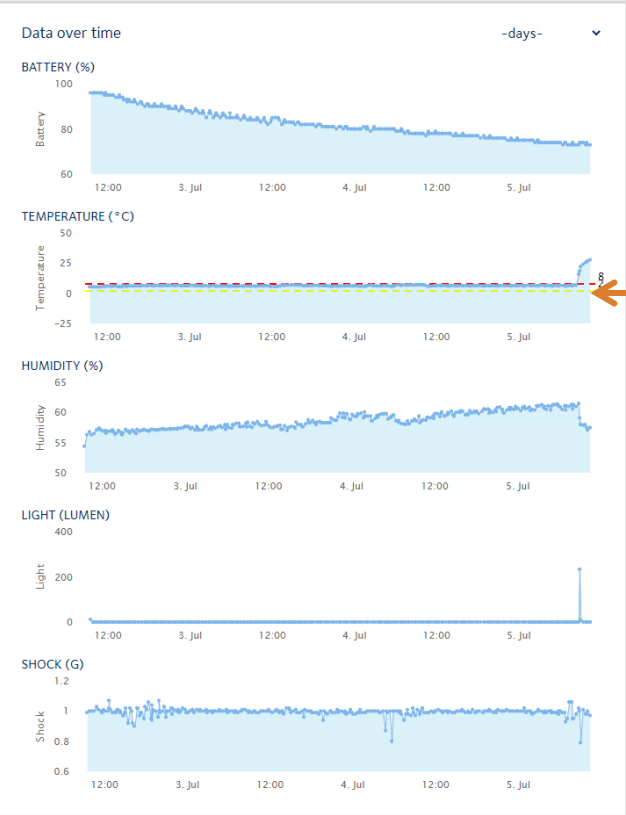
- Package is tilted shifting the dry ice
- Package is placed in airport tarmac in direct sun
- Package is not moving for X amount of hours
- Package outer temperature has been above X degree for X amount of time
- Package arrived at destination and is ready for delivery



DSV Visibility

Live cargo tracking

Measurements



Alert handling (via 24/7 Control Tower)

Resolve Alert Temperature-Temperature

[Redacted]@dsv.com 5 Jul 2021 07:00
sent initial email to **[Redacted]@dk.dsv.com**

[Redacted]@dsv.com 5 Jul 2021 09:19
sent 1st follow-up to **[Redacted]@dk.dsv.com** - awaiting feedback

[Redacted]@dsv.com 5 Jul 2021 09:41
All good around this shipment. Temp. excursion when shipment delivered and container doors opened. Case Resolved- as per **[Redacted]@dk.dsv.com**

[Redacted]@dsv.com 5 Jul 2021 09:42
Case Resolved- as per **[Redacted]@dk.dsv.com**

Select Status

Unhandled InProgress Resolved



DSV Visibility

Devices

Main unit

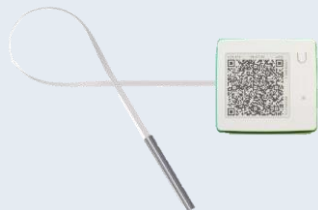


Measures:

- Temperature
- Humidity
- Shock
- Tilt
- Light

Validated temperature: +2°C to +60°C

Dry ice - version



Validated temperature: -100°C to +60°C
Dimensions: 47.9 mm × 45.4 mm × 6.1 mm

Main unit



Measures:

- Location (GPS)
- Temperature
- Humidity
- Shock
- Light

Temperature range: -20°C to +60°C
Dimensions: 96mm x 58mm x 19.5mm

Beacon unit



Measures:

- Temperature

Transmits readings every 3 seconds to main unit

Temperature range: -40°C to +60°C
Dimensions: 66.5mm x 56mm x 7mm

Main unit



Measures:

- Location (GSM)
- Temperature
- Humidity
- Light

Validated temperature: -10°C to +55°C
Dimensions: 121.5mm x 115.5mm x 25.5mm

Dry ice - version



Validated temperature: -95°C to +55°C

Thank You Contact us



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