

SWISS  
MADE



by **NV** Logistics  
**Vital Logistics**

- ♡ Bio Pharma
- ♡ Bio Tech
- ♡ Med Tech
- ♡ Cold chain

Your GDP\* compliant forwarder in  
Switzerland

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by **NV** Logistics  
*Vital Logistics*

« NV Logistics, a new vision of  
logistics»



# NV Logistics

“New Vision of Logistics” For me this is more than a slogan as my everyday goal is to offer tailor made solutions to our clients. I quickly realized that, even in logistics environment, innovation is important.

My ambition and my visionary spirit have led me to anticipate the current change of paradigm in the field of biopharmaceuticals involving increasingly rigorous new regulatory and administrative constraints.

Therefore I decided to create and develop Vital Logistics which is our division specialized in delivering top of the class services dedicated to the life sciences industry. My ability to adapt to competitive markets as well as my will to always move forward are major assets that I highlight in order to be proactive on this very specific and regulated market by offering innovative solutions to our clients.

Thanks to a highly motivated and efficient team, NV Logistics provides top quality services that are described in details in this brochure.

A handwritten signature in blue ink, appearing to read 'Thierry Moreno', with a large, sweeping flourish extending upwards and to the right.

Thierry Moreno  
*CEO and Founder NV Logistics*



# Milestones

## **December 2008**

Company founded

## **April 2010**

Beginning of the business activity

## **April 2011**

Thierry created a special department dedicated to the storage and the transport of pharmaceutical and biotechnical products called Vital Logistics.

## **August 2011**

A quality management system (QMS) complying with the GDP standards was established in order to get the Swissmedic authorization.

## **September 2011**

Creation of a website dedicated to Vital logistics department: [www.healthcare-logistics.ch](http://www.healthcare-logistics.ch)

## **June 2012**

Setting-up of the QMS and purchase of a temperature controlled vehicle.

## **September 2012**

Rental of a warehouse located in the Biopôle in Epalinges, one of the densest life sciences network in the world.

## **November 2012**

Rental of a warehouse in Meyrin/GE equipped with a cold room (+2°C to +8°C) with a capacity of 450m<sup>2</sup>, a temperature controlled room with a capacity of 80 pallets (+15°C to +25°C) and a frozen room with a capacity of 9m<sup>3</sup>.

## **Décember 2012**

Inspection by Swissmedic of the Meyrin warehouse.

## **February 2013**

Final authorization from Swissmedic to store and distribute pharmaceutical products (Swissmedic wholeseller authorization 1009990).



# Services

## Our services dedicated to the life-sciences industry



### ***Vital Express***

Airfreight: Delivery within 48 hours for Europe and 48-72 hours for the rest of the world.



### ***Vital Premium***

Airfreight: Delivery within 24 hours for Europe and 48-72 hours for the rest of the world.



### ***Vital Extrem***

Dedicated service including all available transport means to ensure that your products are delivered the fastest and most secured way possible (On board courier, dedicated vehicle, air-taxi or helicopter).



# Cold chain

## A complete solution

Thanks to the advanced technology developed by our partners, NV logistics offers a complete solution that enables to maintain the integrity of the cold chain.

- Isotherm packaging systems (all temperature range)
- Temperature probes
- Time indicator/irreversible temperature

Data collected during the transport are immediately accessible upon unpacking of the shipment. Consignee only has to download a free software Log-Ic®, install it and connect the USB sensor to a PC. In two clicks, a **complete PDF report** gathering all data is generated as well as a CSV file.





# Packaging

## Our various packaging solutions

NV Logistics can supply different types of insulated packaging systems designed to ensure that the cold chain is never broken during all steps of the carriage of your shipment.

- Controlled Room Temperature (CRT) +15°C to +25°C
- Refrigerated +2°C to +8°C
- Frozen and deep frozen: -20°C, Dry-Ice -78.5°C, liquid Nitrogen -195.79°C



**100% Protection**  
failure-free chemical process  
self-recharging at 5°C  
ambient temperature

**-20% Total Costs**  
optimized for the entire logistics chain

**100% Sustainable**  
worldwide recyclable through existing  
PET recycling infrastructure



# Packaging

## **Coldpacks® innovative insulated packaging**

NV Logistics has selected innovative packaging material manufactured by the COLDPACK® Company.

Airliner technology is a cutting-edge insulating packaging system designed for the transportation of goods under controlled temperature.

Airliner prevents from physical and thermal shocks. Its unsurpassed performance is the guarantee of a total serenity when shipping sensitive products.

The same container, combined with different cooling protocols can:

- Maintain the product between 2°C & 8°C in both winter and summer configurations (using more or less refrigerants)
- Maintain the product at -78.5°C (with the use of dry-ice)

Coldpack Airliner range: 5, 10, 30 & 60 litres. Packaging systems maintain the products between +2°C & 8°C or at -78.5°C for 12h, 24h, 48h or 72h.

Each packaging solution from Coldpack Airliner range comes in a kit ready to use and can be delivered by our driver the day of pick up.







# Temperature sensors

NV Logistics can, on request, supply various types of temperature sensors to suit your needs.

All sensors are equipped with a built-in USB.

Free software Log-Ic © allows to immediately obtain a report in PDF format showing all data recorded during the transport.

The sensors supplied by our partners AMG Aston Mills and Evidencia are certified according to norms NF EN 12830 and OMS/WHO PQS E06/TR05-VP.



*Multi-use or single-use USB RFID sensor for dry-ice*



*Multi-use or single-use USB RFID sensor*



# Certifications

The safety of people, the safety of the carried items as well as the respect of the environment are priorities for NV Logistics.

## Safety

In order to set up and control regulatory compliance in the fields of transport, documentation and packing of regulated goods, NV Logistics has appointed an external safety advisor.

This is particularly crucial in case of carriage of potentially infectious items belonging to 6.2 shipping class (Infectious substance, Category A).



## Swissmedic certification

In February 1st 2013 NV Logistics warehouse located in Meyrin/GE was certified for the distribution and storage of medicine that should be stored and transported at controlled temperature (Swissmedic authorization 1009990)

Western Switzerland is a worldwide centre of excellence in the biomedical environment. NV Logistics is the first and only freight forwarder in the french-speaking part of Switzerland that has been granted with the Swissmedic authorisation for its warehouse located in Meyrin. Our company owns several other warehouses in Switzerland and intends to get the Swissmedic accreditation for all of them.



# Good distribution Practice

NV Logistics Quality Management System (QMS) complies with the Good Distribution Practice (GDP) rules issued by the European Union and the World Health Organization (WHO).

With the objective of strengthening the GDP rules, NV Logistics has appointed an external consultant to implement its QMS. Claude Ammann has more than 25 years of experience in quality for the pharmaceutical and biotechnological sectors (Zyma, Ciba-Geigy, Novartis, Valibio, Apoxis, TopoTarget).





# Vehicle Fleet

**NV Logistics owns a fleet of vehicles for dedicated transportation within Europe 24/24 and 7/7.**





# Vehicle Fleet

## Our “Vital” Vehicle : Mercedes Vito

This Temperature Controlled vehicle (TCV) is especially designed for the transportation of biopharmaceutical products that need to be carried and stored at controlled temperature. It has a refrigeration system which allows to transport products between -20°C and +20°C.

### **SPECIFICATIONS**

Utility charge: 800kg

Internal dimensions: 220\*110\*110cms

Pallets: 2 EUR. Pal.

Temperature range: -20°C to +20°C







# Storage

## NV Logistics owns several temperature controlled warehouses

**Meyrin warehouse:** Swissmedic certified since February 2013 (Swissmedic authorization 1009990).

Storage Surface : 460 m<sup>2</sup>

Equipment and storage facilities :

- Freezer : -20°C of 9 m<sup>2</sup>
- Cold room : +2°C to +8°C of 150 m<sup>2</sup>
- Controlled room temperature : +15°C to +25°C of 80 m<sup>2</sup>





# Storage

## **Geneva airport warehouse**

Storage Surface: 30 m<sup>2</sup>

Equipment and storage facilities:

- Freezer : -80°C of 800 liters
- Cold room: +2°C to +8°C of 9m<sup>2</sup>



NV Logistics - 1211 Geneva Airport

## **Biopôle Epalinges warehouse:**

Storage Surface: 55 m<sup>2</sup>

Equipment and storage facilities:

- Freezer: -20°C
- Cold room: +2°C to +8°C of 9m<sup>2</sup>
- Controlled ambient room: +15°C to +25°C



NV Logistics - 1066 Epalinges



# Route Watch

Route Watch provides leading-edge quality system meant to secure the transportation of your valuable products. It creates a geographical scope (geofence) and sends real-time warnings in case of excursion. Our command centre in the USA can handle the alerts in accordance with agreed procedures with our client (optional).

## **Dedicated service for Biopharmaceutical and Biotechnology companies**

**RouteWatch** is a sophisticated combination of hardware and software which comes together to provide clients with a unique menu of service offerings internally and externally. Originally designed for the pharmaceutical and biotech industries, both the hardware and proprietary software are developed, tested, and validated following the principles and guidelines of Good Automated Manufacturing Practices (GAMP). RouteWatch provides our clients ROI by improving shipment visibility, automated event communications, automated excursion communications, and the intelligence built into our platform removes most of the human component from the process. We offer multiple layers of security solutions with GPS & GSM tracking and location, along with product data collection and transmission based upon intervals predetermined by the client. The entire trip history is stored in our data warehouse and includes temperature, humidity, pressure, light exposure, vibration and package orientation. Immediate real-time communications of data and location is available with no software or “user” programming required.

## **Security Features**

**RouteWatch** provides immediate real-time communications of data and location with no software to install or user programming required.

- Covert devices equipped with GPS and GSM for vehicles
- Independent devices for multi-layer security & embedment, with **SecureFlight**
- Trailers transporting climate control or high value/high security cargo are GPS tracked
- FTL and LTL can have tracking devices embedded in the cargo with remote management and motion activation
- EMM light sensor can provide immediate alarms when carton/pallets/containers are open providing Google Map footprint with time and date stamp
- Linear geofencing for the route, with tolerances set per the client’s request
- Automated notifications for speed, route reversal or variance from route
- Automated notifications for entering or leaving a geofence and predetermined events
- Confidential security protocols are set up with the clients and our security specialist

