

**> LUXEMBOURG AIRPORT
CARGO PRESENTATION >**



GENERAL INFORMATION

With **737,625 tonnes** transported in 2015, Luxembourg is the **7th busiest cargo airport in Europe** (5th excluding express). Tonnage increased by almost 5% in 2014 and again **4.2% in 2015**.

The **state-of-the-art cargo center** has a capacity of 1 million tonnes per year. Short transit times, fast customs clearance, presence

of most major logistic providers, top-level maintenance, **strong expertise in special cargo, pharma- & life sciences** are among the key arguments. With mainly long-haul all-cargo operations, Luxembourg is a major hub for electronics and high-tech. A new **free-trade zone** for valuables has been inaugurated in September 2014.



The cargo center has a capacity of 1 million tonnes per year.



lux-Airport is the management company of Luxembourg airport and employs 230 workers. Promoting the platform is among its key missions.



LuxairCARGO offers unique integrated cargo handling services for carriers and forwarders. The company owns and operates Luxembourg's cargo center. It caters for all categories of cargo and aircraft and provides a one-stop shop & infrastructure.

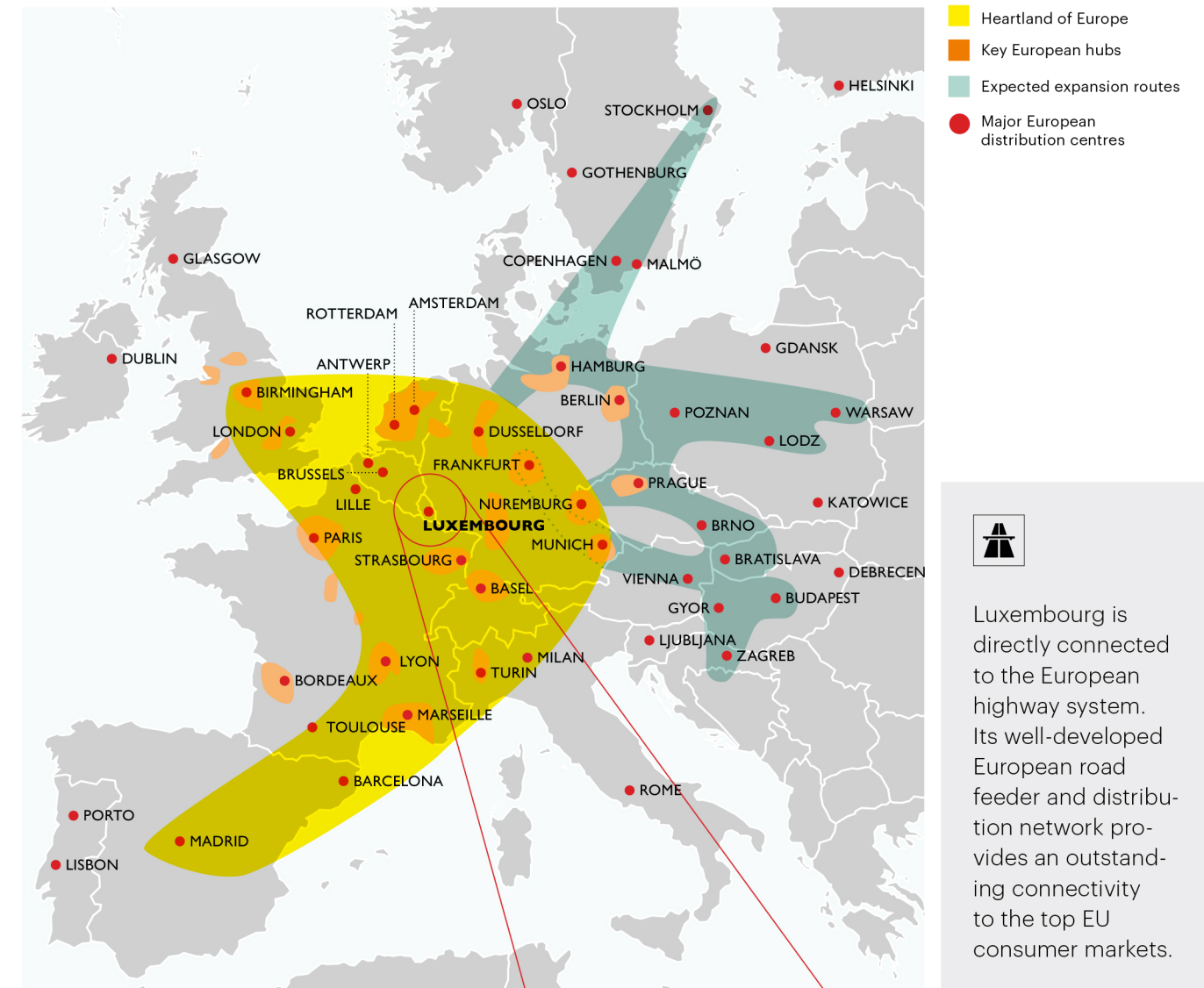


The Luxembourg Air Navigation Administration (ANA) is responsible for aerodrome operations, including air traffic management, operating runway and taxiways, firefighting, etc.

GEOGRAPHICAL LOCATION

Luxembourg is perfectly located at the heart of the European Union, at a very short distance of the two leading economies in Europe

(France and Germany). Luxembourg is in the middle of the “European Banana”, the area with the highest purchasing power in Europe.



Sources: C&W, European Distribution Report



TRAFFIC AND STATISTICS

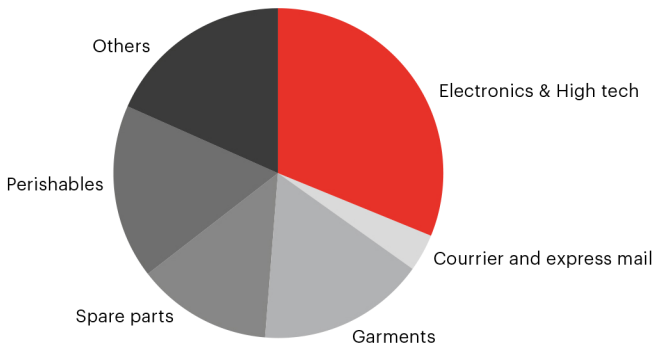
In 2015, tonnage increased for the third consecutive year and crossed the annual **700,000 tonnes threshold** for the first time since 2010. The year closed with a total of **737,625 tonnes, or 4.2% higher than 2014**. This is the best result since 2008 and the onset of the economic crisis.

Outgoing tonnage accounts for **54%** of the total and incoming for **46%**. When the road freight transported under an airway bill is added, the tonnage amounts to **725,000**. The four top cargo airlines in terms of tonnage, in decreasing order, are: Cargolux, Atlas Air (Panalpina), China Airlines, Qatar Airways Cargo.

ANNUAL TONNAGE



LUXEMBOURG IS A MAJOR HUB FOR ELECTRONICS AND HIGH-TECH PRODUCTS



IN 2013 LUXEMBOURG WAS RANKED:

- number 7 in Europe (5th excluding express)
- among the top 30 cargo-airports worldwide
- among the 10 fastest growing cargo airports worldwide (airports handling over 250,000 tonnes)

CARGO ACTIVITIES



Internationally recognized certification agency for a.o. automotive, electronics and medical devices.

EXPERTISE IN SPECIAL CARGO (DANGEROUS GOODS, ART WORKS, LIVE ANIMALS, PERISHABLES, OUTSIZED CARGO)

- 24/7 services for live animals, meat and agricultural products
- Internationally recognized certification agency for a.o. automotive, electronics and medical devices
- Temperature-controlled environment for perishable cargo (PER, PES...)
- TAPA Member, IATA trained dangerous goods handling
- Renowned specialist for outsized cargo
- Licensed meat handling station
- Fresh flower handling incl. vacuum cooler
- Licensed live animal station with veterinary inspection in-house

lux-Airport and Hong Kong Air Cargo Terminals Limited (HACTL) have signed a Memorandum of Understanding. The aim is to value and promote the transportation of time and temperature sensitive medicinal products for human use, in accordance with the EU GDP and WHO GDP certifications.

PHARMA & HEALTHCARE

- GDP certified
- Pharma & Healthcare area: 3,000 sqm
- "Ambient" temperature area (15 to 25°C): 1,600 sqm
- "Cool" temperature area (2 to 8°C): 820 sqm
- "Frozen" temperature area (-20 to -15°C): 30 sqm
- 30 temperature control ULD positions: 350 sqm
- Cool container area: 200 sqm
- Truck docks "Ambient" temperature area: 4
- Truck docks "Cool" temperature area: 2
- Limited access, competent personnel
- Segregated areas for rejected, recall and return materials
- Separate area for highly active, hazardous and narcotic materials
- Separate area for handling of Active Temperature Control Containers
- Screening and Securing of cargo inside the area
- Temperature controlled truck docks Temperature-Tracking & Reporting
- 2 independent automated temperature monitoring systems
- Failsafe Alarm System
- Cold Chain Emergencies: Documented Contingency Plan

CARGO NETWORK



ABOUT 100 CARGO DESTINATIONS ON ALL THE CONTINENTS

Among the latest developments, Cargolux has inaugurated in June 2014 a new operation to Zhengzhou (PRC), whose frequencies have been increased to 6 weekly as early as in December. This same month, lux-Airport and Henan Airport Group, operator of Zhengzhou airport, have signed a strategic cooperation agreement.

KEY PLAYERS

AIRLINES



Luxembourg-based carrier since 1970 and one of the major global all-cargo operators (11 B747-400F and 11 B747-8F, 90 destinations).



European headquarters since 1989, operating a fleet of 21 B747-400F, 4 weekly flights.



Panalpina own controlled operation since 1990 with leased Atlas Air 748-8F, 7 weekly flights.



5 weekly transit flights with B777F aircraft since November 2011.



Weekly Boeing 747 800 freighter flight, since October 2014.

FREIGHT FORWARDERS



Panalpina Air & Ocean Ltd European hub. Own warehouse in Luxembourg.



"One EU warehouse" logistic supplier. Own warehouse in Luxembourg.



Express freight provider & daily feeder flight to LEJ. Own warehouse in Luxembourg.



Own warehouse in Luxembourg.



The Freeport



MAINTENANCE, FREE TRADE ZONE



Cargolux provides major aircraft maintenance operation (B737, B757, B767, B747...) and flight simulator (B747-400F, B747-8F) for Cargolux and third parties.



Cargolux maintenance hangar



The Freeport is a logistics hub for managing, handling and storing, with no time limit, and trading valuable goods under a regime of suspension of VAT and customs duties. It has been inaugurated in September 2014.



INFRASTRUCTURE



Luxembourg's cargo center is directly connected to the European highway system.

- **Runway:** 4,000 × 60 m, CAT III-b operation
- Uncongested airport (slot facilitation Level 2)
- **Suitable for up to B747-8 type aircraft**
- **8 dedicated full freighter stands**
- **Short taxiing distances**
- **108 meters from aircraft to truck**
- Dedicated all-cargo platform
- **Handling capacity: 1 million tonnes** (sufficient capacity for current and future handling)
- **Modern and efficient infrastructures** (e.g. cold-chain guarantee, EU-certified veterinary station, off-size handling area...) and procedures (e.g. paperless trade and customs environment, e-freight)
- **Quality certifications:** ISAGO, TAPA, SMS, GDP, ISO14024

- **Under development:** new perishables center, additional AVI capacities
- **Total site:** 293 mio sqm
- **Warehouse:** 85,500 sqm
- **Outsized cargo:** 7,400 sqm covered
- **ULD storage capacity:** 1,664
- **Build-up/break down stations:** 100
- **Truck docks:** 113

B747 turnaround time: ATA + 120 minutes

Warehouse dwell time for inbound cargo (first departure):

Thru ULD's to RFS: ATA + 120 minutes
Loose cargo to RFS: ATA + 6 hours

Curfew 23:00-06:00, exceptions possible

AIRPORT FEES AND GENERAL POLICY



Cargo aircraft interior

Luxembourg Airport offers attractive landing and terminal charges with incentives for quiet and environmentally efficient aircraft. The formula used for the calculation of the Terminal Navigation Charge is shown on ANA's website.

Luxembourg has developed some other arguments for the benefit of all stakeholders:

- No VAT-prefinance requirement on EU imports
- Possibility of fiscal representation by the handling agent
- Strong political support to further develop Luxembourg as a major European multi-modal logistics hub
- Commitment and quality of relationships with the authorities (customs, civil aviation...)
- Easy to obtain traffic rights



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