Airlines in Poland

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Abstract
In this article is described the concept of the airline. This article describes the different types of airline concepts which can occur in the airline market. The main topic of this research is description of all Polish airlines in detail. You can find in this topic description of each Polish airline also with a fleet and departures what were main attributes for this research and for determining of airline model of each Polish company.

Keywords
airlines, aviation in Poland, LOT, types of airlines, Eurolot, Enter Air, Travel service Poland, Exin, SprintAir

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1. Introduction

The airline - an airline providing scheduled or non-scheduled air transport services, including the carriage of passengers or cargo and has the appropriate civil aviation authority certificate issued by the State in which it was founded. In Poland, there are two types of airlines providing passenger services and cargo. [1]

1.1. Charter carriers

Tourist charter market was for many years dominated by airlines from countries bordering the Mediterranean. Until 2005, the largest Polish player in this market was a LOT, and later a subsidiary Centralwings. In addition, from time to time they appeared and gone small airlines that operate on medium and long-haul routes. Polish airlines LOT, Enter Air, SprintAir, SkyTaxi, Travel Service.

1.2. Transportation of cargo

Transported by air freight consignments are two types: normal and requiring handling services. Supported special require, inter alia: hazardous materials, live animals, perishable goods, as well as shipping heavy and / or undersized, diplomatic and valuable. In 2010, na board Polish aircraft carried a total of 45,1th. tons of cargo, the biggest share fell Airlines Cargo. Polish airlines LOT Cargo, Exin, Sky Taxi, Travel Service.

2. Polish AIRLINES

It’s an air transport undertaking resulting from 1 January 1929 by the merger of all operating airlines in the country, the Polish company, owned by the treasury; LOT Charters owner of the company. It belongs to the Star Alliance. [3]

2.1. Fleet

Boeing 787 Dreamliner supports connections long distance Airlines. The Boeing 787 is a twin-engined, wide-jet. It is the latest model aircraft manufactured by the US Company of The Boeing Company. LOT was the first carrier in Europe, which started operating these aircraft to operate scheduled air services. The Boeing 787 Dreamliner is made of composite material, which has significantly lowered aircraft weight and consequently reduce fuel consumption by ten percent. The modern Rolls-Royce engines emit 60% less noise. The distinctive design of wings held high ends dramatically reduces the air resistance.

The aircraft version of the LOT terminal takes on board a total of 252 passengers in three classes of travel:
- LOT Business Class
- LOT Premium Economy
- Airlines Economy Class

Features and timetables sites are shown in the figure 1. [4]
**Embraer 195** - The largest family of aircraft. It is the work of the Brazilian company Embraer - Empresa Brasileira de Aeronáutica. In our fleet to domestic and middle-distance. Characteristically floating end of the wing, called winglet, reduce air resistance. This allows for faster overcoming distances and lower fuel consumption. Performance and efficiency of engines Embraer 195 cause that it meets the rigorous standards of the noise-generating. Jet takes on board up to 112 passengers.

At your disposal spacious cabin, large lockers for luggage, and this will significantly improve comfort on flights to London.

The main advantages of the aircraft:

- Comfort seats with adjustable headrests
- Configuration of 2 + 2, no middle seats

Features and timetables sites are shown in the figure 2. [5]

**The Boeing 737-400** is a twin-engine jet aircraft produced by the US company of The Boeing Company. It is produced in various versions since 1967. Boeing 737-400 in different versions, is the most popular jet airliner of all time.

In our fleet to domestic and middle-distance. Configured especially for us narrow hull, twin-engine model 400 takes on board from 148 to 162 passengers.

Embraer 175 is a slightly extended version of narrow hull jet Embraer 170. In our fleet it supports domestic connections, and middle distance. Thanks to the efficient and effective aircraft engines meet the stringent standards noises and floating completion wings - winglets, reduce air resistance, which reduces fuel consumption. On board can travel up to 82 passengers. In 2010, two Embrears 175 of our fleet are chartered with crew to operate the flights most important people in country. Despite regional character, at your disposal spacious cabin, large lockers for luggage, and this will significantly improve travel comfort.[6]

Embraer 170 is a twin-engine jet aircraft narrow hull produced by the Brazilian company Embraer - Empresa Brasileira de Aeronáutica. Wings aircraft are equipped with a characteristically floating end of the wings called wingletami. They reduce air resistance and thus reduces fuel consumption. High performance and efficient engines comply with stringent standards while the noise-and thus the plane can fly to major airports in Europe and World. On board can travel up to 70 passengers.[7]

### 2.2. Departures

![Figure 3. Planned and current merger][8]
2.3. Eurolot

Operator providing transport services between major Polish airports, and connecting these ports to various foreign cities. The majority shareholder is the State Treasury (62% shares).

Eurolot has its own fleet of turboprop aircraft short-range ATR 72-200, as well as major medium-haul aircraft type Q400 NextGen Bombardier and Embraer 175.

Until recently, this line served as a feeder for domestic flights LOT Polish Airlines. However, in August 2012 the Board of LOT decided that domestic flights will operate a fleet which prevent the sale of part of the fleet. Therefore, the board decided to Eurolot expansions on European routes. Today, however, this line functions as feeder routes for foreign LOT.

Currently the CEO is Andrew Juszczyński, and his deputy - Bartlomiej Matusewicz.

Additional business of the company is Pilot Training Centre, in which courses are also offered to acquire licenses for the position of the Air dispatcher. The resort was established in 2003 and deals with training for individuals, as well as train crew Eurolot and LOT Polish Airlines and other entities in the world.

Carrier Eurolot SA whose majority shareholder is the State Treasury from 2012 struggling with major financial problems, according to data from the Ministry of Treasury. At the beginning of 2014, the situation of airlines was so bad that she had to sell two aircraft to repay their debt to the state entities. There is also plan for an orderly winding up or restructuring of the carrier. The main reason for poor financial performance was the start of commercial operations at its own risk, as well as misguided collaboration with 4You Airlines, and the company's development strategy diverges from market realities.

The last flight was made on the route Zurich - Krakow March 31, 2015 year.

Since April 1, the planes were included in the LOT fleet, which take over the commitment Eurolot in the form of operating lease. Airlines have already used the bombardiers leased with its crew of Eurolot in the formula ACMI. The transaction is in line with the restructuring plan LOT, which ends in October - it involves the use of regional aircraft. [9]

2.6. Departures

- Bulgaria (Burgas, Varna)
- Czech Republic (Prague)
- Cyprus (Paphos)
- Croatia (Dubrovnik, Pool, Split, Zadar)
- Egypt (Hurgarda, Sharm El Sheikh, Marsa Alam, Tab)
- France (Lyons, Nantes, Paris, Toulouse)
- Greece (Chania, Heraklion, Kavala, Blackbird, Rhodes, Thessaloniki, Zakynthos, Araxos, Corfu, Athens, Airport Kefalonia)
- Spain (Almeria, Barcelona, Fuerteventura, Girona, Lanzarote, Madrid, Mallorca, Menorca, Malaga, Sevilla, Las Palmas de Gran Canaria, Tenerife)
- Kenya (Mombasa)
- Morocco (Agadir)
- Poland (Warsaw (base), Katowice (base), Gdańsk, Bydgoszcz, Poznan (base), Wroclaw (base), Łódź, Cracow, Rzeszow, Lublin)
- Portugal (Faro, Madeira)
- Sri Lanka (Colombo)
- Thailand (Phuket, Bangkok)
- Tunisia (Enfidha, Monastir, Djerba)
- Turkey (Antalya, Bodrum, Dalaman, Izmir)
- Israel (Tel Aviv, Eilat)
• Italy (Catania, Lamezia Terme, Olbia)
• United Arab Emirates (Dubai)

2.7. SprintAir

The group brings together three companies: SprintAir SA, SprintAir Cargo Sp. with o.o, and SprintAir Aviation School Sp. with o.o. SprintAir Group companies provide services in the aviation market, specializing in both air freight, carrying out operations on behalf of partners such as UPS, TNT and Post Polska, as well as passenger flights in both types of operations scheduled flights as well as charter flights. From June 2011, SprintAir performed a scheduled passenger air service on the route Zielona Góra - Warszawa. From November 2011, as a subcontractor Polish Airlines LOT carrier performing daily flights from and to Bydgoszcz. In April 2013, began, also on behalf of LOT Polish Airlines, operate a daily flight Warsaw - Katowice, from November 2013 LOT resigned from the services SprintAir SA. In the operational base of the Warsaw Chopin Airport. In addition to air transportation group companies also carry out training activities conducted through operating in groups of two training centers: TRTO (training for pilots on the type SF340) and the Aviation Security training center (training of security screeners).[11]

2.8. Travel Service Poland

A charter airline based in Warsaw. It started May 9, 2012, following the first flight from Warsaw Chopin Airport. It is a subsidiary company which is the parent company Travel Service. All flights are made Boeing 737-800 aircraft.[12]

2.9. SkyTaxi

Polish charter airline based in Wroclaw. Performs passenger and cargo flights within the European Union, the Middle East and North Africa. Since 2004 SkyTaxi is certified JAR-OPS 1 awarded by the Polish Civil Aviation Office in Poland.[13]

2.10. Exin

Polish airline specializing in cargo transportation. The airline's headquarters in Lublin, and the base of operations is Katowice. [14]

3. Conclusions

2014 years was successful for LOT. Michael Leman, who in the company is responsible for the implementation of new products says the company for the first time in many years will have a so-called operating profit, which will make money on transporting passengers.

Since 2012, the company implemented a recovery plan. They released among other things, part of the administration, as amended agreements with certain employees. The carrier also received aid. In early December, he was paid the second tranche.[15]

More and more passengers are choosing LOT-class a higher standard. With Dreamliners, after three quarters of this year, the number of people traveling in Business Class and LOT Airlines Premium Class on long-haul routes grew by 48% compared to the same period last year.

The flagship carrier machines, Boeing 787 Dreamliner, attracting more and more passengers who value convenience and comfort. This is not only thanks to the most modern passenger aircraft, but mainly the result of continuous improvement of on-board product which offers Airlines.

Last year, the Polish aboard aircraft transported 5 million passengers and 45 thousand tons of cargo. In relation to the previous year's results transportation passenger increased by 16.7%, while cargo tonnage by 15.9%. The largest share the market had a Polish Airlines LOT.[16]

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