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Livingston Spa

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Scheduled flights

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Charter flights

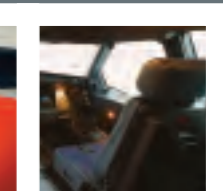
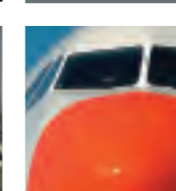
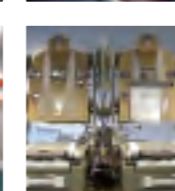
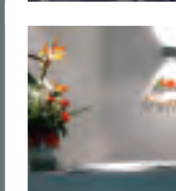
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Airbus
A330-200



Edition March 2007

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Password: OUR "GREAT" AIRCRAFT

- A little history...

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Password: TOTAL COMFORT

- Business Class: "JACARANDA Class"
- Onboard services

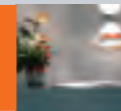
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Password: EXTRA SPACE

- Economy Class: "ECOMODY Class"
- Onboard services

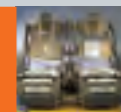
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Password: EXTREME RELAXATION

- Our Business Lounge

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Password: COMPLETE SAFETY

- The Safety of our aircraft
- The Certifications of our aircraft

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Password: ATTENTIVE CHECKS

- The inspections and controls of our aircraft

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Password: THE "GREAT" AIRCRAFT

- The A330 Family

Introduction

Livingston: SAFETY and COMFORT in the air...

For its long-haul fleet, Livingston has chosen the Airbus A330-200, the aircraft of the latest-generation. Modern, comfortable and reliable, this aircraft model guarantees the SAFETY and the ONBOARD COMFORT/WELLBEING that have become Livingston's defining features. **Safety comes first!** Thanks to constant and thorough checks and inspections of the aircraft, carried out in compliance with the rigid rules imposed by the Italian Civil Aviation Authority (ENAC) under the European Union's JAA and EASA regulations, Livingston's Airbus fleet - A330 -200s and A321-200s - ranks amongst the world's best as for its results in terms of Operational Dispatch Reliability. Safeguarding and guaranteeing reliability and safety also mean that passengers can relax and enjoy themselves at an altitude of 11.000 meters, in a peaceful and carefree state of mind. The ample space between seats (pitch), in both Business Class (140 cm.) and Economy Class (82 cm.), makes for a restful, pleasant flight, just as the varied and exclusive offer of In-flight Entertainment (IFE) means that for our passengers the time spent on board goes by quickly and "light-heartedly". Finally, our genuine gourmet catering, which can be personalized on request, is based on fresh, seasonal ingredients and it is capable of satisfying even the most demanding appetites...

Livingston turns the time on board into a pleasant experience and into an essential part of the holiday thanks to aircraft that meet all passengers' requirements in terms of punctuality, safety, entertainment and relaxation, thus giving our guests the chance to "invent" their own personal way of flying, the one most congenial to their needs and expectations.

Livingston: get used to travelling in other dimensions!!!



Airbus

The colours of the A330-200 suggest energy and vitality

Password:
OUR "GREAT" AIRCRAFT

A little history...

- **December 2003:** Luda Air, the long-haul airline part of the holding for air transport Livingston Aviation Group together with Livingston, receives its first Airbus A330-200, renamed "Playa Maroma", directly from the Airbus plant in Toulouse;
- **July 2004:** Luda Air receives its second Airbus A330-200, renamed "Gran Dominicus";
- **October 2004:** Luda Air receives its third Airbus A330-200, renamed "Andilana";
- **September 2005:** as part of the integration process taking place within Livingston Aviation Group, Livingston takes over both Luda Air's long-haul routes and fleet.

At present, Livingston's fleet is entirely made up of Airbus models: 3 A330-200s with 297 seats in double class configuration for long-haul flights and 3 A321-200s with 210 seats in all-economy class configuration for short/medium-haul flights.



Airbus

Livingston's logo on the tail of the aircraft

Airbus A330-200	Technical information
<ul style="list-style-type: none"> ■ Model: A330-200 ■ Type: Long-haul aircraft ■ Manufacturer: Airbus Industries ■ Registration marks: HLVL (Andilana) HLVM (Playa Maroma) HLVN (Gran Dominicus) 	<ul style="list-style-type: none"> ■ Length: 193ft 52in – 59m ■ Wingspan: 197ft 78in – 60.30m ■ Height: 59ft 04in – 18 m ■ Engine manufacturer: Rolls Royce ■ Engine type: Trent 772B ■ Seats: 18 c/class – 279 y/class ■ Crew: 11



Fredri Marcarini

Jacaranda Class: cabin

Password:
TOTAL COMFORT

Business Class: “Jacaranda Class”

Like the Jacaranda, the exquisite tropical flower, our “sumptuous” Business Class boasts simple elegance and beauty. Here, REFINEMENT and COMFORT blend smoothly together.

- **Seats:** 18
- **Seat model:** SOGERMA Business + (with electrically adjustable headrest, lower back support and footrest)
- **Seat pitch:** 55 inches (139.70 cm)
- **Seat Recline:** 145°/160°



Fredri Marcarini

Seat: UPRIGHT position



Fredri Marcarini

Seat: RECLINE position



Fredri Marcarini

Seat: FLAT position

Onboard Services

- Personal and Interactive In-flight Entertainment System (Panasonic S3000) with personal monitor and remote control consisting of: 6 video channels, 8 audio stereo channels, onboard shopping, iXplor (live flight information and satellite maps), satellite telephone, Communicator System (to send SMS and brief e-mail messages from on board to the ground);
- Personal adjustable 10" LCD monitor located on the back of the seat in front. Individual remote control/telephone/keyboard for SMS and brief e-mail messages;
- Reading light mounted on each seat and individual electric socket for laptop connection;
- Exclusive onboard catering based on fresh, seasonal ingredients. Personalized menus according to specific food, dietary, religious and cultural requirements of passengers. Special Kids' menus for all children on board on request;
- Facilities that make the flight easier for everybody, including people with reduced mobility. Moreover, all the toilets comply with laws protecting the rights of disabled passengers;



Fredri Marcarini



Fredri Marcarini

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The "big handle": a detail of STYLE



Fredri Marcarini

Personal reading light



Fredri Marcarini

Panasonic S3000 Personal Interactive In-flight Entertainment System

Seats' comfort (pitch)

- Stylish cabin interiors featuring sophisticated, original details whose purpose is not simply aesthetic but also functional;
- Efficient, kind and professional flight attendants on hand for all individual needs... however big or small!
- New onboard magazine ENERGY by Livingston with DUTY FREE section.
- Magazines located in every seat pocket.

07



Patrizia Ceresa

Economy Class: “Ecomody Class”

The Economy Class becomes ECOMODY, offering comfort, more space and modernity... because we care about our passengers and we want to thank them in our own way, by offering them high-quality onboard services and products. Moreover, the seats covers in grey and orange Prince of Wales pattern give the cabin an extra touch of elegance and originality.

- **Seats:** 279
- **Seat model:** Recaro 3410 E1
- **Seat pitch:** 30/34 inches (76.20/86.36 cm.)
- **Seat Recline:** 25°

The Economy Class becomes “ECOMODY”

Password:
EXTRA SPACE



Patrizia Ceresa

Seat: UPRIGHT position



Patrizia Ceresa

Seat: RECLINE position



Patrizia Ceresa

Seat's functions

Onboard Services

- Mainscreen In-flight Entertainment System (Panasonic S3000) including: 4 Hollywood movies (different on inbound and outbound flights), 8 audio stereo channels and iXplor (live flight information and satellite maps);
- 15" LCD monitor located in a central position, every 3/4 rows of seats;
- Cyber Cafè: two workstations located at the back of the cabin where passengers can send SMS and brief e-mail messages or access video-games (for a fee) and onboard shopping;
- Gourmet Catering based on fresh, selected ingredients offering a wide choice of hot and cold meals accompanied by a large selection of soft drinks and wines from some of Italy's best producers. Menus can be personalized according to specific food, dietary, religious and cultural requirements of passengers. Special Kids' menus for all children on board on request;



Patrizia Ceresa



Fredri Marcarini

The Cyber Cafè



Fredri Marcarini

Adjustable table



Fredri Marcarini

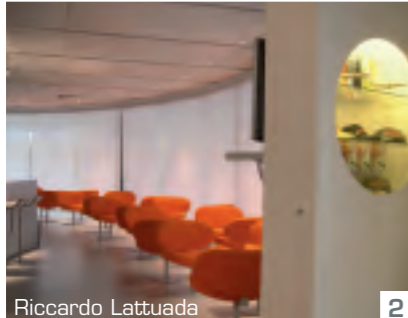
Drinks holder

Economy Class: cabin

- Facilities that make the flight easier for everybody, including people with reduced mobility. Moreover, all the toilets comply with laws protecting the rights of disabled people and the one in the rear of the cabin is equipped to accommodate a wheelchair;
- Efficient, kind and professional flight attendants on hand for all individual needs... however big or small!
- New onboard magazine ENERGY by Livingston with DUTY FREE section.



Riccardo Lattuada 1



Riccardo Lattuada 2



Gianmaria Pizzolitto 3



Gianmaria Pizzolitto 4

1. External view 2. Work area 3. Relax area 4. Reception

Password:
EXTREME RELAXATION

Our Business Lounge

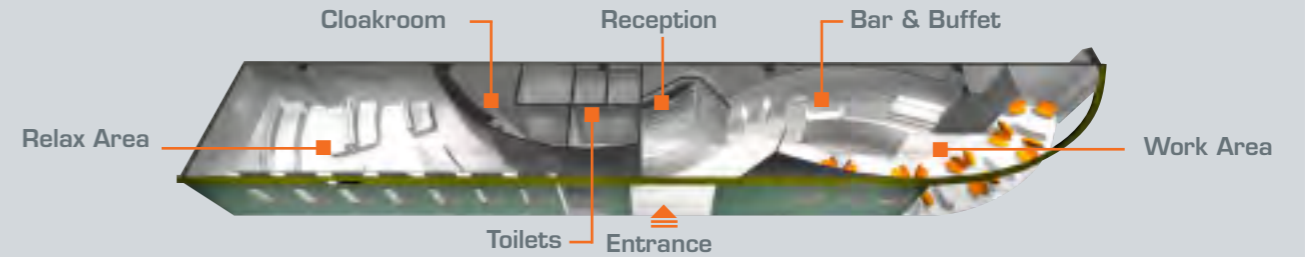
Happy Hour at the Airport? Why not...

Location: Livingston's Business Lounge at Milan Malpensa Airport (Terminal 2).

A 150-square-meters area where the password is RELAXION, achieved through the highest attention to details. The perfect place to meet friends for a drink (cocktails in hand...), to toast the coming holiday or to anticipate the views and emotions soon to be experienced far away from home. Even workaholics can have a last-minute look at those documents left behind at the office... In short, it is a place tailored to meet the needs of all Livingston's guests, where the atmosphere well adapts to individual states of mind and desires, thus marking the beginning of a really special holiday, even before take-off...

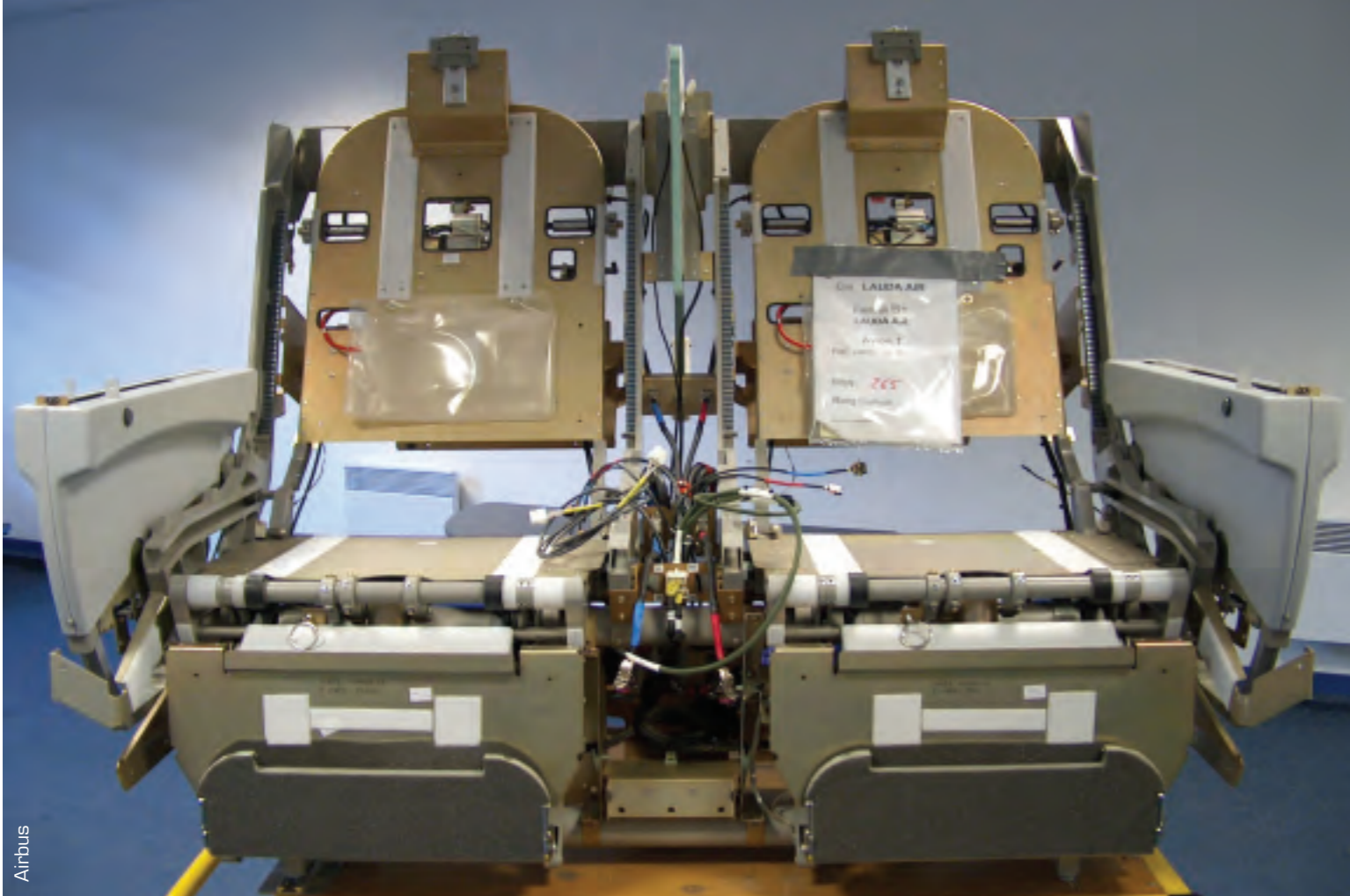
Map

Comfort by Livingston



The password is total relaxation - which is why our Business Lounge boasts 3 plasma-screen televisions with satellite link, 3 internet points* and a wide choice of newspapers. Our self-service bar is open at flight departures.

* (service available soon)



Airbus

Sogerma Business +: structure

Password:
COMPLETE SAFETY

The Safety of our Aircraft

Livingston's absolute priority is the SAFETY of its aircraft (3 Airbus A321-200s for short/medium-haul flights and Airbus 3 A330-200s for long-haul flights).

Livingston is certified by ENAC (the Italian Civil Aviation Authority) to operate and maintain the "state of airworthiness" for the models of aircraft which made up its fleet (Aircraft Operator Certificate number I-039), in accordance with the European Union's JAA/EASA regulations.

The AOC, issued by ENAC, states the aforementioned certifications and guarantees that Livingston's technical and operational facilities enable it to operate its fleet with the maximum safety, especially with respect to the type of flight operations as specified in the following page.



Patrizia Ceresa



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The Certifications of our Aircraft

- **NAT-MNPS Operations:** zones in which only aircraft meeting minimum performance requirements are allowed to fly;
- **B-RNAV Operations:** basic area navigation, ability to maintain route accuracy of ± 5 nautical miles for 95% of flight time;
- **RVSM Operations:** reduced vertical separation minimum of 1000 feet in the airspace, between flight levels 290 and 140;
- **ETOPS Operations:** extended operation of twin-engine aircraft, with possibility of reaching alternate airports within 180 minutes in case of engine problems;
- **“3b” Category Operations:** for aircraft A330-200 and A321-200 authorized to effect automatic landings with approach under minimum visibility conditions up to 75 meters horizontal and 0 meters vertical;



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Strict engine inspections

- **“3a” Category Operations:** for aircraft A330-200 and A321-200 authorized to effect automatic landings with approach under minimum visibility conditions up to 200 meters horizontal and 15 meters vertical.

Moreover, the Airbus A330-200, in particular, guarantees high working standards for the crew: wider galleys, innovative equipment and a specially created crew rest area equipped with seven bunks, located at hold level. Here, our crew can take turns to rest during long-haul flights, thus ensuring and maintaining our high standards of professional, top-level onboard service and assistance to the passengers.



Fredi Marcarini

Cockpit



Fredi Marcarini

Crew rest area



Fredi Marcarini

Galley



Fredi Marcanini

Password: **ATTENTIVE CHECKS**

The inspections and controls of our Aircraft

Livingston is certified by the Italian Civil Aviation Authority (ENAC) as a maintenance Company, in accordance with the European Union's EASA PART 145 regulations, having been issued with an approval certificate nr. IT.145.0042, in April 2006 (first issued in 1992), with an unlimited duration, following an inspection in accordance with EASA regulations. This certification allows Livingston to carry out scheduled inspections of the aircraft for which it is authorized to operate and to carry out any work required, in the case of problems detected by the Pilots or by the Engineers during ground inspections and, subsequently, reported in the Technical Logbooks. At present, Livingston is authorized to service Boeing B 767-300, Airbus A321-200 and Airbus A330-200 aircraft.

Livingston's A321-200 and A330-200 aircraft are subject to compulsory cyclic inspections required by the manufacturer, by ENAC and by the National Civil Aviation Authorities of the countries in which the manufacturers of the aircraft and engines are located, namely the DGAC (Direction Général de l'Aviation Civile for France) and the CAA (Civil Aviation Authority for Great Britain). Livingston's maintenance team is entirely made up of engineers certified by ENAC, in accordance with the European Union's EASA regulations.

For the Airbus A330-200, the inspection cycle consists of:

- 1 **"PRE-FLIGHT"** TRANSIT/RAMP inspection carried out after every landing and before the next take-off;
- 1 **"DAILY"** inspection, within a maximum period of 36 hours;
- 1 **"WEEKLY"** inspection every 7 days;

All these inspections are carried out by Livingston's certified staff, in accordance with the European Union's EASA PART 145 regulations (certificate nr. IT.145.0042) or by the staff of other PART 145 certified maintenance Companies, previously selected by Livingston (external bases);

- 1 **"CHECK A"** inspection carried out every 600 hours of flight time at Lufthansa Technik hangars;
- 1 general **"CHECK C"** inspection carried out every 18 months. This inspection is carried out while the aircraft is out of service for a period of between 10 and 20 days, according to the checks to be carried out and to any work required. C-type inspections are carried out at Lufthansa Technik hangars or on the premises of other PART 145 certified maintenance Companies, previously selected by Livingston.

All the above-mentioned inspections are carried out on the basis of the maintenance programme suggested by Airbus and adopted in full by Livingston, also implemented with additional inspections in order to raise the quality and safety standards set by Livingston's Technical Services. This maintenance programme is assessed and approved by ENAC in the first place.



The A330 Family

The Airbus A330-200s are used by leading carriers on some of the world's busiest and longest routes. The shortest fuselage member of the Airbus A330 series provides airlines with excellent range and cargo capacity.

Performance: The Airbus A330 is optimised for medium to extended-range performance. The Airbus A330-200 offers superior payload/range capability and greater cargo volume on medium-capacity routes to extended-range operations.

Cabin layout: The A330 cabin has been consistently voted the most comfortable by passengers worldwide: Time and Space to relax, to work, to telephone, to be entertained. SPACE UNDERNEATH AND SPACE OVERHEAD! The A330-200 typically carries 253 passengers in a first/business/economy class layout, while the aircraft's two-class configuration seats 293 passengers.

Specifications: The shortest-fuselage version of Airbus' A330 series, the A330-200 has an overall length of 59 metres with a range of up to 6,400 nm./11,800 km.

Password:

THE "GREAT" AIRCRAFT

AIRCRAFT DIMENSIONS

	Metric	Imperial
Overall length	59.3 m	192 ft. 12 in.
Height	17.40 m	57 ft. 1 in.
Fuselage diameter	5.94 m	19 ft. 6 in.
Maximum cabin width	5.28 m	17 ft. 4 in.
Cabin length	35.0 m	114 ft. 8 in.
Wingspan (geometric)	50.1 m	164 ft. 10 in.
Wing area (reference)	364.0 m ²	4,002 ft ²
Wing sweep (25% chord)	30 degrees	30 degrees
Wheelbase	22.2 m	72 ft. 10 in.
Wheel track	10.69 m	35 ft. 1 in.

BASIC OPERATING DATA

	Metric	Imperial
Engines	Two CFM-56 or PW4000 or RR Trent 700	Two CFM-56 or PW4000 or RR Trent 700
Engine thrust range	303-320 kW	68,000-73,000 lb. stat
Typical passenger seating	253 (3-class)	293 (2-class)
Range (w/ max. passengers)	12,300 km	6,750 mi.
Max. operating Mach number (Mmo)	0.86 M ₀	0.86 M ₀
Bulk hold volume - Standard/option	19.7 / 33.76 m ³	696 / 1,195 ft ³